

European Catalogue

# Optyma™ Packaged condensing units

R452A, R134a, R513A, R448A, R449A, R407A, R407F, R404A/R507 - 50 Hz





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# Danfoss Optyma™ packaged condensing units

Highly efficient and reliable plug and play condensing units designed with the contractor and end-user in mind, and providing unique benefits.



## Benefits for the contractor

- Simple and fast selection and installation, reduced maintenance time
- Models compatible with multiple lower GWP refrigerants
- Reduced refrigerant costs thanks to microchannel condenser inside



## Benefits for the end-user

- Higher food safety and longer products shelf life
- Units suitable for residential areas thanks to low sound level operation
- Reduced life cycle costs of refrigeration equipment thanks to highly efficient units

### Optyma™ Slim Pack W05



Compact and cost effective. When space, quiet operation, efficiency and simple installation matter.

**With microchannel condenser**



### Optyma™ Slim Pack W09



Compact and cost effective. When space, quieter operation, efficiency, faster and safer installation and maintenance matter.

**W05 base + fan speed controller and main switch included**



### Optyma™ Plus (P00)



Top performer. When quietness, high efficiency, connectivity and fastest installation and maintenance matter.

**With electronic controller**



### Optyma™ with Liquid Injection (P02)

P00 base + Liquid injection feature with electronic expansion valve and dedicated electronic controller.



### Optyma™ Plus INVERTER (P01)



Premium unit. When top efficiency, fastest installation and maintenance, tight temperature and humidity control matter.

**With variable speed drive**



## MBP and LBP applications



- ✓ Cold rooms, display cabinets in convenience stores, mini-markets, restaurants, fisheries, butcheries, bakeries, florists, laboratories
- ✓ Wine cellars
- ✓ Milk cooling
- ✓ Industrial processes
- ✓ Dairy and general food storage

## Designation

**OP - MSXM034 ML W05 G**

1 2 3 4 5 6 7 8

OP = Optyma

|   |                                                                                                                                                                                                                                                                                                                                            |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Application: <b>M</b> = MBP ; <b>L</b> = LBP                                                                                                                                                                                                                                                                                               |
| 2 | Condensing unit family: <b>S</b> = Slim Pack / <b>P</b> = OP Plus and OP Plus INVERTER                                                                                                                                                                                                                                                     |
| 3 | Refrigerant: <b>H</b> = R404A/R507 ; <b>G</b> = R134a, R513A ; <b>Q</b> = R452A, R404A/R507<br><b>X</b> = R404A/R507, R134a, R407A, R407F, R448A, R513A, R449A, R452A ;<br><b>Y</b> = R404A/R507, R449A ; <b>B</b> = R404A/R507, R449A, R452A ;<br><b>P</b> = R448A/R449A, R407A/F, R404A/R507, <b>O</b> = R452A, R404A/R507, R448A, R449A |
| 4 | <b>M</b> = Microchannel heat condenser                                                                                                                                                                                                                                                                                                     |
| 5 | Displacement in cm <sup>3</sup> Example 034 = 34 cm <sup>3</sup>                                                                                                                                                                                                                                                                           |
| 6 | Compressor platform (such as VVL = variable speed scroll VLZ)                                                                                                                                                                                                                                                                              |
| 7 | Version: <b>W05/W09</b> : Optyma™ Slim Pack<br><b>P00</b> : Optyma™ Plus<br><b>P01</b> : Optyma™ Plus INVERTER<br><b>P02</b> : Optyma™ Plus with Liquid Injection                                                                                                                                                                          |
| 8 | Electrical code: <b>G</b> = 230V/1-phase compressor & fan<br><b>E</b> = 400V/3-phase compressor & 230V/1-phase fan                                                                                                                                                                                                                         |



## Feature overview:

|                                           | Optyma™ Slim Pack                                                                          |     | Optyma™ Plus                                                                                                                |                                                              | Optyma™ Plus INVERTER |
|-------------------------------------------|--------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------|
|                                           | W05                                                                                        | W09 | (P00)                                                                                                                       | (P02)                                                        |                       |
| IP level                                  | IP54                                                                                       |     | IP54                                                                                                                        |                                                              | IP54                  |
| Compressor technology                     | Scroll/Reciprocating                                                                       |     | Scroll/Reciprocating                                                                                                        | Reciprocating                                                | Variable speed scroll |
| Control box (pre-wired E-panel)           | yes                                                                                        |     | yes                                                                                                                         |                                                              | yes                   |
| Microchannel condenser                    | yes                                                                                        |     | yes                                                                                                                         |                                                              | yes                   |
| Fan speed controller                      | -                                                                                          | yes | yes                                                                                                                         |                                                              | yes                   |
| Main switch (circuit breaker)             | -                                                                                          | yes | yes                                                                                                                         |                                                              | yes                   |
| Filter drier (flare connections)          | yes                                                                                        |     | yes                                                                                                                         |                                                              | yes                   |
| Sight glass                               | yes                                                                                        |     | yes                                                                                                                         |                                                              | yes                   |
| Crankcase heater                          | yes                                                                                        |     | yes                                                                                                                         |                                                              | yes                   |
| HP/LP adjustable pressostat               | Auto/Manual reset mode                                                                     |     | Electronic                                                                                                                  |                                                              | Electronic            |
| Fail safe mini-pressostat                 | -                                                                                          |     | Mechanical                                                                                                                  |                                                              | Mechanical            |
| Access door(s)                            | -                                                                                          |     | yes                                                                                                                         |                                                              | yes                   |
| Acoustic insulation                       | -                                                                                          |     | yes                                                                                                                         |                                                              | yes                   |
| Condensing unit electronic controller     | -                                                                                          |     | yes                                                                                                                         |                                                              | yes                   |
| Network connectivity                      | -                                                                                          |     | yes                                                                                                                         |                                                              | yes                   |
| Stack mounting                            | -                                                                                          |     | yes                                                                                                                         |                                                              | -                     |
| Oil separator                             | -                                                                                          |     | -                                                                                                                           |                                                              | yes                   |
| Discharge gas thermostat                  | yes*                                                                                       |     | yes                                                                                                                         |                                                              | yes                   |
| HP/LP Alarm                               | yes*                                                                                       |     | yes                                                                                                                         |                                                              | yes                   |
| Liquid injection kit                      | -                                                                                          |     | -                                                                                                                           | yes                                                          | -                     |
| Net weight in kg                          | B1 housing: from 50.4 to 53<br>B2 housing: from 61.5 to 77<br>B3 housing: from 76 to 79    |     | H1 housing: from 49 to 53<br>H2 housing: from 80 to 94<br>H3 housing: from 101 to 107<br>H4 housing: 169                    | H3 housing: from 135 and 136<br>H4 housing: 161 and 166      | 124 & 125             |
| Dimensions in mm (height x width x depth) | B1 housing: 530 x 910 x 364<br>B2 housing: 690 x 1079 X464<br>B3 housing: 825 x 1105 x 464 |     | H1 housing: 605 X 941 X 406<br>H2 housing: 813 X 1090 X 480<br>H3 housing: 965 X 1441 X 531<br>H4 housing: 966 X 1835 X 650 | H3 housing: 965 X 1441 X 531<br>H4 housing: 966 X 1835 X 650 | 965 x 1406 x 481      |

\* Not premounted, provision available

## Overview by range and refrigerant:

| Min / Max Cooling capacity range [kW] | Optyma™ Slim Pack | Optyma™ Plus | Optyma™ Plus INVERTER | Optyma™ with Liquid injection (P02) |
|---------------------------------------|-------------------|--------------|-----------------------|-------------------------------------|
| <b>Medium temperature (MBP)</b>       |                   |              |                       |                                     |
| R449A                                 | 0.8 - 10.2        | 0.7 - 14.9   | 1.7 - 8.3             | -                                   |
| R448A                                 | 3.3 - 10.2        | 3.3 - 14.9   | 1.7 - 8.3             | -                                   |
| R134a                                 | 0.6 - 6.6         | 1.7 - 10.2   | -                     | -                                   |
| R513A                                 | 0.62 - 7.0        | 1.7 - 10.3   | -                     | -                                   |
| R407A                                 | 3.3 - 9.9         | 3.3 - 14.6   | 1.7 - 8.4             | -                                   |
| R407F                                 | 3.5 - 10.2        | 3.5 - 15.5   | 1.8 - 9               | -                                   |
| R452A                                 | 1.5 - 10.8        | 1.5 - 16.2   | -                     | -                                   |
| R404A/507                             | 0.9 - 10.3        | 0.7 - 16     | 1.8 - 9               | -                                   |
| <b>Low temperature (LBP)</b>          |                   |              |                       |                                     |
| R448A/R448A                           | -                 | -            | -                     | 2.3 - 6.0                           |
| R452A                                 | 0.4 - 3.3         | 0.4 - 6.1    | -                     | 0.4 - 6.1                           |
| R404A/507                             | 0.4 - 3.6         | 0.5 - 6.2    | -                     | 0.5 - 6.2                           |

Rating conditions EN 13215 (dew point):

**MBP:** Ambient temp = 32°C, Evap temp = -10°C, Superheat = 10K, Subcooling = 0K / **LBP:** Ambient temp = 32°C, Evap temp = -35°C, Superheat = 10K, Subcooling = 0K

# Optyma™ Slim Pack

## Light on **refrigerant**, heavy on **efficiency**

Get it all with Optyma™ **Slim Pack**. It combines quiet operation and more value for money with an energy-efficient and compact solution.

# 2.9 kg

Less refrigerant on bigger sizes for more savings



### Quick and safe installation and service

Enjoy fast and easy installation with the main switch, service valves, and quick connections. Additionally, the easy-to-clean MCHE saves you time and effort on servicing.



### High SEPR\*

All models in the range are highly efficient and well above EcoDesign 2018 thresholds, contributing to a reduction in energy costs.  
\*SEPR: Seasonal Energy Performance Ratio.



### Suitable for residential areas

It operates up to 7 dB(A) lower than other packaged units of the same capacity and the fan-speed controller further reduces the sound level by up to 4 dB(A).



### Optimized footprint for floor and wall mounting

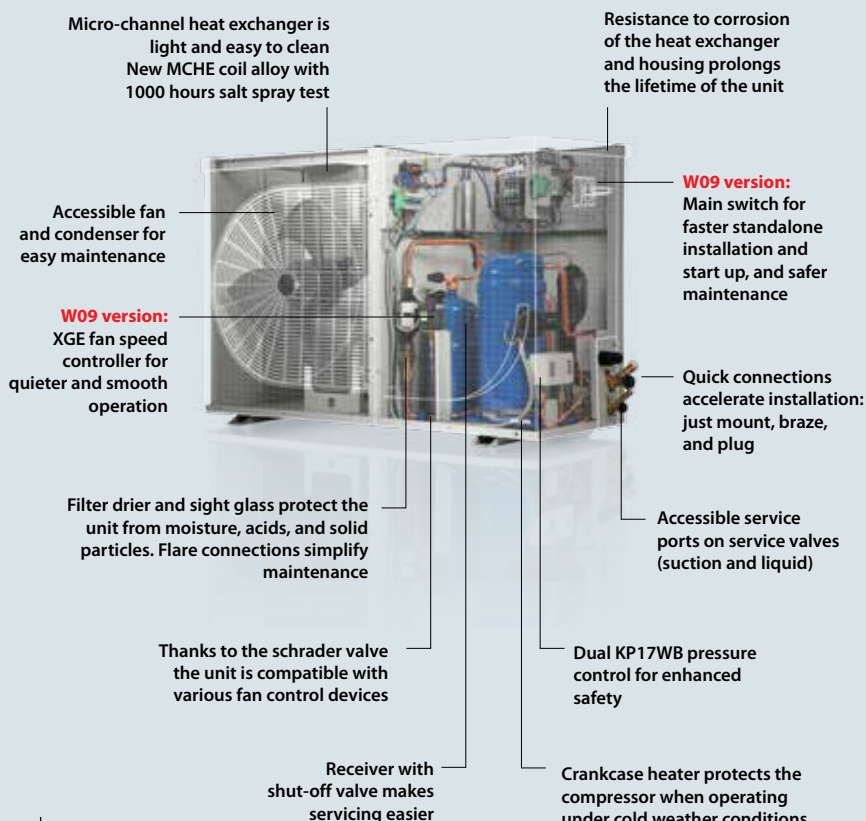
Thanks to its slim design and low weight, it is easy to transport and handle during installation – particularly for wall mounting.

### W09 FEATURES

- Preset fan-speed controller for quieter operation
- Main switch for faster stand-alone installation and start-up, and safer maintenance



## Standard range (W05) and upgraded range (W09)



## High SEPR/COP cuts energy costs

E.g. in a cold room where fruit & vegetables are stored and with 2.7 kW of cooling capacity.

### Optyma™ Slim Pack MBP unit vs equivalent unit in the market\*

Cooling cap.:  
2.7 kW  
Refrigerant:  
R134a



| UNIT  | Danfoss     | Market       |
|-------|-------------|--------------|
| COP   | 2.18        | 1.70         |
| USAGE | ~ 8 245 kWh | ~ 10 636 kWh |

## Annual energy consumption saved: 2 391 kWh

Savings based on cost of energy:

FRANCE: 0.11€ / 1 KWH = 2 391 x 0.11 = 263€

UK: 0.15€ / 1 KWH = 2 391 x 0.15 = 359€

GERMANY: 0.20€ / 1 KWH = 2 391 x 0.20 = 478€

**478€** annual electricity savings made by your customer in Germany

\* Source: Danfoss

| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -40°C                       | -35°C | -30°C | -25°C | -20°C | -15°C | -10°C |               |        |      |      |                         |                                  |
| OP-LSQM014MP | 114X7106<br>114X7129 | W05<br>W09 | MPT14LA    | G                   | 27        | -                           | 0.421 | 0.535 | 0.656 | 0.784 | 0.919 | 1.060 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | -                           | 0.379 | 0.481 | 0.592 | 0.710 | 0.835 | 0.966 | 0.422         | 0.441  | 0.96 |      | 63                      | 32                               |
|              |                      |            |            |                     | 38        | -                           | 0.328 | 0.418 | 0.515 | 0.621 | 0.734 | 0.854 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.285 | 0.365 | 0.452 | 0.548 | 0.651 | 0.761 |               |        |      |      |                         |                                  |
| OP-LSQM018MP | 114X7107<br>114X7130 | W05<br>W09 | MPT16LA    | G                   | 27        | -                           | 0.443 | 0.583 | 0.735 | 0.897 | 1.070 | 1.253 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | -                           | 0.396 | 0.522 | 0.661 | 0.810 | 0.971 | 1.142 | 0.441         | 0.465  | 0.95 |      | 63                      | 32                               |
|              |                      |            |            |                     | 38        | -                           | 0.340 | 0.450 | 0.572 | 0.707 | 0.853 | 1.009 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.293 | 0.390 | 0.499 | 0.621 | 0.754 | 0.899 |               |        |      |      |                         |                                  |
| OP-LSQM026AJ | 114X7085<br>114X7179 | W05<br>W09 | CAJ2446Z   | G                   | 27        | 0.472                       | 0.659 | 0.881 | 1.144 | 1.447 | 1.794 | 2.184 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.408                       | 0.581 | 0.788 | 1.031 | 1.312 | 1.634 | 1.997 | 0.644         | 0.671  | 0.96 |      | 67                      | 36                               |
|              |                      |            |            |                     | 38        | -                           | 0.489 | 0.675 | 0.894 | 1.148 | 1.439 | 1.769 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.414 | 0.582 | 0.780 | 1.010 | 1.275 | 1.577 |               |        |      |      |                         |                                  |
| OP-LSQM034AJ | 114X7086<br>114X7180 | W05<br>W09 | CAJ2464Z   | G                   | 27        | 0.628                       | 0.859 | 1.139 | 1.473 | 1.864 | 2.316 | 2.830 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.549                       | 0.763 | 1.022 | 1.332 | 1.695 | 2.115 | 2.594 | 0.846         | 0.892  | 0.95 |      | 68                      | 37                               |
|              |                      |            |            |                     | 38        | -                           | 0.649 | 0.882 | 1.161 | 1.489 | 1.870 | 2.307 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.556 | 0.767 | 1.019 | 1.318 | 1.666 | 2.067 |               |        |      |      |                         |                                  |
| OP-LSQM048NT | 114X7087<br>114X7181 | W05<br>W09 | NTZ048-5   | G                   | 27        | 0.771                       | 1.090 | 1.478 | 1.931 | 2.446 | 3.018 | 3.641 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.655                       | 0.948 | 1.303 | 1.718 | 2.191 | 2.717 | 3.291 | 1.053         | 0.950  | 1.11 |      | 71                      | 40                               |
|              |                      |            |            |                     | 38        | 0.529                       | 0.790 | 1.105 | 1.475 | 1.896 | 2.366 | 2.880 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.433                       | 0.667 | 0.950 | 1.281 | 1.660 | 2.082 | 2.545 |               |        |      |      |                         |                                  |
| OP-LSQM048NT | 114X7088<br>114X7182 | W05<br>W09 | NTZ048-4   | E                   | 27        | 0.778                       | 1.076 | 1.438 | 1.860 | 2.340 | 2.873 | 3.454 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.679                       | 0.947 | 1.273 | 1.655 | 2.092 | 2.579 | 3.112 | 1.054         | 0.981  | 1.07 |      | 71                      | 40                               |
|              |                      |            |            |                     | 38        | 0.572                       | 0.805 | 1.089 | 1.424 | 1.809 | 2.241 | 2.716 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.491                       | 0.695 | 0.945 | 1.242 | 1.584 | 1.969 | 2.396 |               |        |      |      |                         |                                  |
| OP-LSQM074FH | 114X7095<br>114X7185 | W05<br>W09 | FH2511Z    | G                   | 27        | 1.062                       | 1.511 | 2.037 | 2.641 | 3.324 | 4.085 | 4.919 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.889                       | 1.310 | 1.801 | 2.365 | 3.003 | 3.713 | 4.492 | 1.458         | 1.539  | 0.95 |      | 75                      | 44                               |
|              |                      |            |            |                     | 38        | -                           | 1.070 | 1.518 | 2.033 | 2.614 | 3.262 | 3.975 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.874 | 1.286 | 1.757 | 2.290 | 2.886 | 3.542 |               |        |      |      |                         |                                  |

**LBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -40°C                       | -35°C | -30°C | -25°C | -20°C | -15°C | -10°C |               |        |      |      |                         |                                  |
| OP-LSQM074FH | 114X7096<br>114X7186 | W05<br>W09 | TFH2511Z   | E                   | 27        | 1.001                       | 1.415 | 1.897 | 2.442 | 3.044 | 3.695 | 4.384 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.841                       | 1.221 | 1.664 | 2.166 | 2.722 | 3.324 | 3.964 | 1.362         | 1.390  | 0.98 |      | 75                      | 44                               |
|              |                      |            |            |                     | 38        | -                           | 1.003 | 1.398 | 1.848 | 2.347 | 2.890 | 3.467 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.835 | 1.190 | 1.595 | 2.045 | 2.536 | 3.059 |               |        |      |      |                         |                                  |
| OP-LSQM068NT | 114X7090<br>114X7184 | W05<br>W09 | NTZ068-4   | E                   | 27        | 1.215                       | 1.655 | 2.158 | 2.712 | 3.299 | 3.898 | 4.484 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.056                       | 1.459 | 1.918 | 2.421 | 2.952 | 3.491 | 4.014 | 1.632         | 1.404  | 1.16 |      | 71                      | 40                               |
|              |                      |            |            |                     | 38        | 0.864                       | 1.223 | 1.629 | 2.070 | 2.534 | 3.000 | 3.446 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.708                       | 1.028 | 1.388 | 1.778 | 2.184 | 2.588 | 2.969 |               |        |      |      |                         |                                  |
| OP-LSQM068NT | 114X7089<br>114X7183 | W05<br>W09 | NTZ068-5   | G                   | 27        | 1.241                       | 1.667 | 2.151 | 2.688 | 3.273 | 3.897 | 4.550 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.052                       | 1.447 | 1.895 | 2.392 | 2.932 | 3.508 | 4.110 | 1.619         | 1.627  | 1.00 |      | 71                      | 40                               |
|              |                      |            |            |                     | 38        | 0.833                       | 1.192 | 1.597 | 2.045 | 2.530 | 3.047 | 3.586 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.659                       | 0.987 | 1.355 | 1.762 | 2.201 | 2.668 | 3.153 |               |        |      |      |                         |                                  |
| OP-LSQM067LL | 114X7091<br>114X7187 | W05<br>W09 | LLZ013T4   | E                   | 27        | 1.925                       | 2.483 | 3.161 | 3.970 | 4.918 | 6.013 | 7.257 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.794                       | 2.306 | 2.929 | 3.675 | 4.553 | 5.571 | 6.733 | 2.570         | 2.177  | 1.18 | 1.62 | 71                      | 40                               |
|              |                      |            |            |                     | 38        | 1.642                       | 2.096 | 2.651 | 3.318 | 4.108 | 5.030 | 6.089 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.519                       | 1.922 | 2.418 | 3.017 | 3.731 | 4.570 | 5.541 |               |        |      |      |                         |                                  |
| OP-LSQM084LL | 114X7092<br>114X7188 | W05<br>W09 | LLZ015T4   | E                   | 27        | 2.408                       | 3.051 | 3.812 | 4.703 | 5.732 | 6.905 | 8.225 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.223                       | 2.820 | 3.526 | 4.351 | 5.306 | 6.398 | 7.630 | 3.152         | 2.706  | 1.16 | 1.60 | 73                      | 42                               |
|              |                      |            |            |                     | 38        | 1.997                       | 2.533 | 3.167 | 3.909 | 4.771 | 5.761 | 6.884 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.803                       | 2.286 | 2.856 | 3.526 | 4.306 | 5.206 | 6.234 |               |        |      |      |                         |                                  |
| OP-LSQM098LL | 114X7075<br>114X7189 | W05<br>W09 | LLZ018T4   | E                   | 27        | 2.812                       | 3.560 | 4.438 | 5.457 | 6.622 | 7.938 | 9.406 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.592                       | 3.286 | 4.098 | 5.039 | 6.118 | 7.339 | 8.704 | 3.683         | 3.166  | 1.16 | 1.61 | 74                      | 43                               |
|              |                      |            |            |                     | 38        | 2.318                       | 2.943 | 3.671 | 4.516 | 5.486 | 6.588 | 7.824 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.084                       | 2.647 | 3.302 | 4.062 | 4.937 | 5.935 | 7.061 |               |        |      |      |                         |                                  |

**LBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -40°C                       | -35°C | -30°C | -25°C | -20°C | -15°C | -10°C |               |        |      |      |                         |                                  |
| OP-LSQM014MP | 114X7106<br>114X7129 | W05<br>W09 | MPT14LA    | G                   | 27        | 0.364                       | 0.494 | 0.640 | 0.802 | 0.979 | 1.171 | 1.379 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.327                       | 0.444 | 0.577 | 0.725 | 0.889 | 1.068 | 1.264 | 0.500         | 1.030  | 0.49 |      | 60                      | 29                               |
|              |                      |            |            |                     | 38        | 0.283                       | 0.384 | 0.501 | 0.633 | 0.781 | 0.945 | 1.126 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.247                       | 0.335 | 0.439 | 0.557 | 0.692 | 0.843 | 1.011 |               |        |      |      |                         |                                  |
| OP-LSQM018MP | 114X7107<br>114X7130 | W05<br>W09 | MPT16LA    | G                   | 27        | 0.380                       | 0.535 | 0.710 | 0.903 | 1.115 | 1.345 | 1.594 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.340                       | 0.480 | 0.638 | 0.816 | 1.013 | 1.228 | 1.463 | 0.540         | 1.070  | 0.50 |      | 60                      | 29                               |
|              |                      |            |            |                     | 38        | 0.293                       | 0.413 | 0.553 | 0.712 | 0.890 | 1.088 | 1.305 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.253                       | 0.359 | 0.483 | 0.626 | 0.789 | 0.971 | 1.173 |               |        |      |      |                         |                                  |
| OP-LSQM026AJ | 114X7085<br>114X7179 | W05<br>W09 | CAJ2446Z   | G                   | 27        | 0.526                       | 0.732 | 0.978 | 1.268 | 1.606 | 1.993 | 2.432 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.455                       | 0.645 | 0.872 | 1.140 | 1.451 | 1.809 | 2.216 | 0.724         | 1.010  | 0.72 |      | 67                      | 36                               |
|              |                      |            |            |                     | 38        | 0.371                       | 0.541 | 0.745 | 0.985 | 1.265 | 1.588 | 1.957 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.457 | 0.641 | 0.857 | 1.111 | 1.404 | 1.739 |               |        |      |      |                         |                                  |
| OP-LSQM034AJ | 114X7086<br>114X7180 | W05<br>W09 | CAJ2464Z   | G                   | 27        | 0.685                       | 0.933 | 1.232 | 1.586 | 2.000 | 2.476 | 3.015 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.599                       | 0.826 | 1.101 | 1.428 | 1.809 | 2.249 | 2.749 | 0.930         | 0.980  | 0.95 |      | 68                      | 37                               |
|              |                      |            |            |                     | 38        | 0.497                       | 0.701 | 0.946 | 1.238 | 1.580 | 1.976 | 2.429 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.598 | 0.819 | 1.082 | 1.391 | 1.750 | 2.163 |               |        |      |      |                         |                                  |
| OP-LSQM048NT | 114X7087<br>114X7181 | W05<br>W09 | NTZ048-5   | G                   | 27        | 0.776                       | 1.134 | 1.568 | 2.083 | 2.677 | 3.349 | 4.098 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.651                       | 0.981 | 1.381 | 1.853 | 2.398 | 3.017 | 3.706 | 1.104         | 1.010  | 1.01 |      | 71                      | 40                               |
|              |                      |            |            |                     | 38        | 0.501                       | 0.798 | 1.155 | 1.576 | 2.062 | 2.615 | 3.232 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.381                       | 0.647 | 0.968 | 1.345 | 1.782 | 2.279 | 2.836 |               |        |      |      |                         |                                  |
| OP-LSQM048NT | 114X7088<br>114X7182 | W05<br>W09 | NTZ048-4   | E                   | 27        | 0.783                       | 1.143 | 1.572 | 2.072 | 2.645 | 3.290 | 4.007 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.670                       | 1.000 | 1.392 | 1.849 | 2.371 | 2.960 | 3.615 | 1.126         | 1.130  | 0.10 |      | 71                      | 40                               |
|              |                      |            |            |                     | 38        | 0.536                       | 0.831 | 1.179 | 1.583 | 2.044 | 2.565 | 3.147 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.427                       | 0.692 | 1.003 | 1.363 | 1.775 | 2.240 | 2.760 |               |        |      |      |                         |                                  |

**LBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|--------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -40°C                       | -35°C | -30°C | -25°C | -20°C | -15°C | -10°C  |               |        |      |      |                         |                                  |
| OP-LSQM074FH | 114X7096<br>114X7186 | W05<br>W09 | TFH2511Z   | E                   | 27        | 1.176                       | 1.664 | 2.235 | 2.890 | 3.630 | 4.455 | 5.361  | 1.627         | 0.980  | 1.66 |      | 75                      | 44                               |
|              |                      |            |            |                     | 32        | 0.983                       | 1.439 | 1.971 | 2.580 | 3.268 | 4.034 | 4.877  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 0.756                       | 1.172 | 1.655 | 2.207 | 2.831 | 3.526 | 4.292  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.573                       | 0.955 | 1.395 | 1.899 | 2.468 | 3.102 | 3.803  |               |        |      |      |                         |                                  |
| OP-LSQM074FH | 114X7095<br>114X7185 | W05<br>W09 | FH2511Z    | G                   | 27        | 1.177                       | 1.670 | 2.254 | 2.931 | 3.695 | 4.543 | 5.468  | 1.620         | 1.070  | 1.51 |      | 75                      | 44                               |
|              |                      |            |            |                     | 32        | 0.985                       | 1.434 | 1.969 | 2.588 | 3.291 | 4.074 | 4.931  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 0.776                       | 1.173 | 1.646 | 2.197 | 2.825 | 3.528 | 4.301  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.620                       | 0.972 | 1.394 | 1.887 | 2.452 | 3.087 | 3.789  |               |        |      |      |                         |                                  |
| OP-LSQM068NT | 114X7089<br>114X7183 | W05<br>W09 | NTZ068-5   | G                   | 27        | 1.359                       | 1.860 | 2.443 | 3.107 | 3.852 | 4.672 | 5.563  | 1.845         | 1.140  | 1.61 |      | 71                      | 40                               |
|              |                      |            |            |                     | 32        | 1.172                       | 1.629 | 2.162 | 2.770 | 3.451 | 4.204 | 5.024  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 0.967                       | 1.374 | 1.846 | 2.386 | 2.991 | 3.662 | 4.394  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.812                       | 1.177 | 1.599 | 2.081 | 2.623 | 3.225 | 3.883  |               |        |      |      |                         |                                  |
| OP-LSQM068NT | 114X7090<br>114X7184 | W05<br>W09 | NTZ068-4   | E                   | 27        | 1.332                       | 1.793 | 2.348 | 2.994 | 3.730 | 4.548 | 5.440  | 1.826         | 1.060  | 1.73 |      | 71                      | 40                               |
|              |                      |            |            |                     | 32        | 1.189                       | 1.608 | 2.110 | 2.694 | 3.358 | 4.098 | 4.905  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 1.017                       | 1.388 | 1.828 | 2.338 | 2.918 | 3.564 | 4.270  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.873                       | 1.205 | 1.594 | 2.044 | 2.554 | 3.123 | 3.745  |               |        |      |      |                         |                                  |
| OP-LSQM067LL | 114X7091<br>114X7187 | W05<br>W09 | LLZ013T4   | E                   | 27        | 2.210                       | 2.823 | 3.547 | 4.391 | 5.365 | 6.476 | 7.732  | 2.942         | 1.190  | 2.48 | 1.65 | 71                      | 40                               |
|              |                      |            |            |                     | 32        | 2.024                       | 2.600 | 3.276 | 4.061 | 4.965 | 5.997 | 7.163  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 1.790                       | 2.319 | 2.934 | 3.645 | 4.462 | 5.395 | 6.451  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.586                       | 2.073 | 2.634 | 3.280 | 4.022 | 4.870 | 5.832  |               |        |      |      |                         |                                  |
| OP-LSQM084LL | 114X7092<br>114X7188 | W05<br>W09 | LLZ015T4   | E                   | 27        | 2.408                       | 3.051 | 3.812 | 4.703 | 5.732 | 6.905 | 8.225  | 3.528         | 1.210  | 2.91 | 1.68 | 73                      | 42                               |
|              |                      |            |            |                     | 32        | 2.223                       | 2.820 | 3.526 | 4.351 | 5.306 | 6.398 | 7.630  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 1.997                       | 2.533 | 3.167 | 3.909 | 4.771 | 5.761 | 6.884  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.803                       | 2.286 | 2.856 | 3.526 | 4.306 | 5.206 | 6.234  |               |        |      |      |                         |                                  |
| OP-LSQM098LL | 114X7075<br>114X7189 | W05<br>W09 | LLZ018T4   | E                   | 27        | 3.089                       | 3.920 | 4.914 | 6.079 | 7.421 | 8.944 | 10.647 | 4.103         | 1.240  | 3.30 | 1.72 | 74                      | 43                               |
|              |                      |            |            |                     | 32        | 2.837                       | 3.608 | 4.524 | 5.594 | 6.825 | 8.221 | 9.785  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 2.519                       | 3.216 | 4.035 | 4.987 | 6.082 | 7.324 | 8.719  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.241                       | 2.871 | 3.607 | 4.459 | 5.438 | 6.550 | 7.802  |               |        |      |      |                         |                                  |

**LBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -15°C                       | -10°C | -5°C  | 0°C   | 5°C   | 10°C  | 15°C  |               |        |      |      |                         |                                  |
| OP-MSGM012SC | 114X7099<br>114X7207 | W05<br>W09 | SC12G      | G                   | 27        | 0.549                       | 0.693 | 0.861 | 1.055 | 1.277 | 1.528 | 1.810 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.503                       | 0.640 | 0.800 | 0.987 | 1.200 | 1.442 | 1.714 | 0.655         | 0.382  | 1.71 |      | 62                      | 31                               |
|              |                      |            |            |                     | 38        | 0.446                       | 0.575 | 0.726 | 0.902 | 1.105 | 1.336 | 1.596 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.400                       | 0.521 | 0.664 | 0.832 | 1.025 | 1.246 | 1.497 |               |        |      |      |                         |                                  |
| OP-MSGM015SC | 114X7100<br>114X7208 | W05<br>W09 | SC15G      | G                   | 27        | 0.591                       | 0.756 | 0.951 | 1.177 | 1.435 | 1.725 | 2.047 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.562                       | 0.719 | 0.903 | 1.115 | 1.357 | 1.628 | 1.930 | 0.737         | 0.448  | 1.64 |      | 63                      | 32                               |
|              |                      |            |            |                     | 38        | 0.517                       | 0.666 | 0.838 | 1.034 | 1.256 | 1.506 | 1.782 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.474                       | 0.616 | 0.778 | 0.961 | 1.168 | 1.399 | 1.656 |               |        |      |      |                         |                                  |
| OP-MSGM018SC | 114X7101<br>114X7131 | W05<br>W09 | SC18G      | G                   | 27        | 0.757                       | 0.937 | 1.144 | 1.381 | 1.651 | 1.954 | 2.293 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.680                       | 0.855 | 1.057 | 1.289 | 1.552 | 1.849 | 2.180 | 0.876         | 0.544  | 1.61 |      | 63                      | 32                               |
|              |                      |            |            |                     | 38        | 0.606                       | 0.774 | 0.968 | 1.191 | 1.444 | 1.729 | 2.049 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.556                       | 0.716 | 0.902 | 1.114 | 1.357 | 1.631 | 1.938 |               |        |      |      |                         |                                  |
| OP-MSGM021SC | 114X7102<br>114X7132 | W05<br>W09 | SC21G      | G                   | 27        | 0.885                       | 1.107 | 1.358 | 1.638 | 1.949 | 2.290 | 2.662 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.813                       | 1.025 | 1.267 | 1.538 | 1.839 | 2.170 | 2.531 | 1.051         | 0.605  | 1.74 |      | 63                      | 32                               |
|              |                      |            |            |                     | 38        | 0.733                       | 0.932 | 1.159 | 1.416 | 1.702 | 2.018 | 2.364 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.666                       | 0.852 | 1.066 | 1.308 | 1.580 | 1.881 | 2.213 |               |        |      |      |                         |                                  |
| OP-MSGM026AJ | 114X7103<br>114X7209 | W05<br>W09 | CAJ4492Y   | G                   | 27        | 1.075                       | 1.396 | 1.773 | 2.209 | 2.708 | 3.270 | 3.896 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.982                       | 1.284 | 1.638 | 2.048 | 2.516 | 3.045 | 3.636 | 1.314         | 0.729  | 1.80 |      | 62                      | 31                               |
|              |                      |            |            |                     | 38        | 0.867                       | 1.149 | 1.477 | 1.856 | 2.289 | 2.779 | 3.328 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.769                       | 1.035 | 1.342 | 1.696 | 2.101 | 2.559 | 3.074 |               |        |      |      |                         |                                  |
| OP-MSGM033AJ | 114X7104<br>114X7210 | W05<br>W09 | CAJ4511Y   | G                   | 27        | 1.404                       | 1.795 | 2.247 | 2.762 | 3.342 | 3.987 | 4.693 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.294                       | 1.663 | 2.090 | 2.575 | 3.121 | 3.729 | 4.396 | 1.704         | 0.845  | 2.02 |      | 67                      | 36                               |
|              |                      |            |            |                     | 38        | 1.157                       | 1.502 | 1.897 | 2.347 | 2.852 | 3.416 | 4.037 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.041                       | 1.365 | 1.735 | 2.154 | 2.626 | 3.153 | 3.735 |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7062<br>114X7196 | W05<br>W09 | MLZ015T4   | E                   | 27        | 1.817                       | 2.286 | 2.834 | 3.467 | 4.188 | 5.001 | 5.907 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.716                       | 2.162 | 2.685 | 3.290 | 3.980 | 4.761 | 5.632 | 2.216         | 0.983  | 2.25 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 1.597                       | 2.012 | 2.502 | 3.071 | 3.723 | 4.462 | 5.290 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.499                       | 1.886 | 2.346 | 2.883 | 3.502 | 4.205 | 4.995 |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7061<br>114X7195 | W05<br>W09 | MLZ015T5   | G                   | 27        | 1.822                       | 2.321 | 2.883 | 3.513 | 4.218 | 5.003 | 5.876 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.711                       | 2.189 | 2.730 | 3.339 | 4.023 | 4.788 | 5.639 | 2.244         | 1.033  | 2.17 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 1.580                       | 2.026 | 2.536 | 3.115 | 3.770 | 4.504 | 5.324 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.476                       | 1.890 | 2.369 | 2.919 | 3.544 | 4.250 | 5.041 |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7162<br>114X7212 | W05<br>W09 | MLZ019T4   | E                   | 27        | 2.323                       | 2.897 | 3.577 | 4.365 | 5.259 | 6.259 | 7.360 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.193                       | 2.739 | 3.386 | 4.137 | 4.990 | 5.944 | 6.997 | 2.811         | 1.258  | 2.23 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.032                       | 2.543 | 3.149 | 3.853 | 4.655 | 5.554 | 6.548 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.896                       | 2.375 | 2.945 | 3.610 | 4.368 | 5.220 | 6.164 |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7211             | W05<br>W09 | MLZ019T5   | G                   | 27        | 2.312                       | 2.920 | 3.612 | 4.394 | 5.268 | 6.238 | 7.307 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.173                       | 2.748 | 3.411 | 4.163 | 5.007 | 5.947 | 6.985 | 2.821         | 1.401  | 2.01 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.009                       | 2.539 | 3.157 | 3.867 | 4.670 | 5.568 | 6.564 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.881                       | 2.364 | 2.940 | 3.609 | 4.373 | 5.232 | 6.189 |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7064<br>114X7198 | W05<br>W09 | MLZ021T4   | E                   | 27        | 2.478                       | 3.090 | 3.817 | 4.660 | 5.618 | 6.691 | 7.875 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.339                       | 2.922 | 3.614 | 4.418 | 5.333 | 6.358 | 7.490 | 2.998         | 1.289  | 2.33 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.167                       | 2.713 | 3.363 | 4.118 | 4.979 | 5.945 | 7.014 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.021                       | 2.535 | 3.147 | 3.860 | 4.674 | 5.591 | 6.606 |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software




| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -15°C                       | -10°C | -5°C  | 0°C    | 5°C    | 10°C   | 15°C   |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7063<br>114X7197 | W05<br>W09 | MLZ021T5   | G                   | 27        | 2.465                       | 3.114 | 3.854 | 4.690  | 5.626  | 6.665  | 7.811  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.317                       | 2.933 | 3.641 | 4.446  | 5.350  | 6.358  | 7.473  | 3.010         | 1.451  | 2.07 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.143                       | 2.710 | 3.372 | 4.133  | 4.994  | 5.959  | 7.030  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.006                       | 2.524 | 3.142 | 3.859  | 4.679  | 5.603  | 6.633  |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7066<br>114X7200 | W05<br>W09 | MLZ026T4   | E                   | 27        | 2.988                       | 3.749 | 4.629 | 5.632  | 6.762  | 8.020  | 9.405  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.811                       | 3.536 | 4.375 | 5.331  | 6.409  | 7.610  | 8.932  | 3.633         | 1.591  | 2.28 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.596                       | 3.276 | 4.062 | 4.959  | 5.972  | 7.101  | 8.346  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.416                       | 3.055 | 3.795 | 4.641  | 5.596  | 6.664  | 7.843  |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7065<br>114X7199 | W05<br>W09 | MLZ026T5   | G                   | 27        | 2.981                       | 3.762 | 4.649 | 5.647  | 6.760  | 7.991  | 9.345  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.805                       | 3.540 | 4.384 | 5.339  | 6.409  | 7.597  | 8.905  | 3.639         | 1.914  | 1.90 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.601                       | 3.271 | 4.052 | 4.947  | 5.958  | 7.088  | 8.337  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.443                       | 3.048 | 3.770 | 4.608  | 5.564  | 6.638  | 7.833  |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7068<br>114X7202 | W05<br>W09 | MLZ030T4   | E                   | 27        | 3.686                       | 4.631 | 5.738 | 7.016  | 8.470  | 10.104 | 11.920 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.484                       | 4.382 | 5.437 | 6.657  | 8.048  | 9.614  | 11.357 | 4.493         | 1.897  | 2.37 |      | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 3.240                       | 4.078 | 5.066 | 6.213  | 7.524  | 9.005  | 10.657 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.037                       | 3.820 | 4.748 | 5.831  | 7.073  | 8.480  | 10.053 |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7067<br>114X7201 | W05<br>W09 | MLZ030T5   | G                   | 27        | 3.786                       | 4.657 | 5.752 | 7.035  | 8.471  | 10.032 | 11.692 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.642                       | 4.426 | 5.449 | 6.672  | 8.059  | 9.581  | 11.211 | 4.540         | 2.184  | 2.08 |      | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 3.479                       | 4.146 | 5.072 | 6.214  | 7.534  | 9.001  | 10.586 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.356                       | 3.915 | 4.751 | 5.817  | 7.073  | 8.487  | 10.029 |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7070<br>114X7204 | W05<br>W09 | MLZ038T4   | E                   | 27        | 4.283                       | 5.388 | 6.667 | 8.129  | 9.782  | 11.630 | 13.673 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.029                       | 5.086 | 6.307 | 7.704  | 9.282  | 11.048 | 13.001 | 5.220         | 2.308  | 2.26 | 3.43 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 3.718                       | 4.713 | 5.863 | 7.176  | 8.663  | 10.326 | 12.170 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.454                       | 4.396 | 5.482 | 6.724  | 8.130  | 9.707  | 11.457 |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7069<br>114X7203 | W05<br>W09 | MLZ038T5   | G                   | 27        | 4.250                       | 5.469 | 6.787 | 8.230  | 9.821  | 11.578 | 13.518 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.953                       | 5.136 | 6.411 | 7.803  | 9.334  | 11.025 | 12.892 | 5.271         | 2.438  | 2.16 | 3.03 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 3.566                       | 4.705 | 5.926 | 7.255  | 8.715  | 10.327 | 12.107 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.225                       | 4.325 | 5.500 | 6.776  | 8.176  | 9.721  | 11.429 |               |        |      |      |                         |                                  |
| OP-MSXM099ML | 114X7071<br>114X7205 | W05<br>W09 | MLZ045T4   | E                   | 27        | 5.329                       | 6.672 | 8.263 | 10.089 | 12.135 | 14.386 | 16.825 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.018                       | 6.290 | 7.806 | 9.553  | 11.514 | 13.674 | 16.016 | 6.456         | 2.623  | 2.46 | 3.83 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.645                       | 5.822 | 7.239 | 8.880  | 10.731 | 12.775 | 14.994 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 4.337                       | 5.425 | 6.750 | 8.297  | 10.049 | 11.990 | 14.101 |               |        |      |      |                         |                                  |
| OP-MSXM108ML | 114X7072<br>114X7206 | W05<br>W09 | MLZ048T4   | E                   | 27        | 5.637                       | 7.050 | 8.708 | 10.601 | 12.721 | 15.056 | 17.592 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.298                       | 6.641 | 8.223 | 10.033 | 12.062 | 14.299 | 16.730 | 6.819         | 2.840  | 2.40 | 3.74 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.889                       | 6.140 | 7.620 | 9.323  | 11.236 | 13.349 | 15.649 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 4.548                       | 5.714 | 7.104 | 8.709  | 10.520 | 12.525 | 14.711 |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


For regular updates and detailed capacities, please refer to **Coolselector®2** software




| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -15°C                       | -10°C | -5°C  | 0°C   | 5°C   | 10°C  | 15°C  |               |        |      |      |                         |                                  |
| OP-MSGM012SC | 114X7099<br>114X7207 | W05<br>W09 | SC12G      | G                   | 27        | 0.573                       | 0.720 | 0.891 | 1.088 | 1.312 | 1.564 | 1.845 | 0.688         | 0.410  | 1.68 |      | 62                      | 31                               |
|              |                      |            |            |                     | 32        | 0.523                       | 0.662 | 0.826 | 1.014 | 1.229 | 1.472 | 1.744 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 0.462                       | 0.592 | 0.746 | 0.924 | 1.128 | 1.359 | 1.619 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.411                       | 0.534 | 0.679 | 0.848 | 1.042 | 1.263 | 1.513 |               |        |      |      |                         |                                  |
| OP-MSGM015SC | 114X7100<br>114X7208 | W05<br>W09 | SC15G      | G                   | 27        | 0.618                       | 0.786 | 0.985 | 1.213 | 1.473 | 1.764 | 2.085 | 0.775         | 0.482  | 1.61 |      | 63                      | 32                               |
|              |                      |            |            |                     | 32        | 0.584                       | 0.745 | 0.932 | 1.146 | 1.389 | 1.660 | 1.961 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 0.535                       | 0.686 | 0.860 | 1.058 | 1.280 | 1.530 | 1.805 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.487                       | 0.631 | 0.794 | 0.978 | 1.185 | 1.416 | 1.671 |               |        |      |      |                         |                                  |
| OP-MSGM018SC | 114X7101<br>114X7131 | W05<br>W09 | SC18G      | G                   | 27        | 0.787                       | 0.970 | 1.181 | 1.420 | 1.692 | 1.996 | 2.334 | 0.918         | 0.585  | 1.57 |      | 63                      | 32                               |
|              |                      |            |            |                     | 32        | 0.704                       | 0.883 | 1.088 | 1.322 | 1.587 | 1.884 | 2.214 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 0.625                       | 0.796 | 0.992 | 1.216 | 1.470 | 1.755 | 2.074 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.570                       | 0.732 | 0.919 | 1.133 | 1.375 | 1.648 | 1.954 |               |        |      |      |                         |                                  |
| OP-MSGM021SC | 114X7102<br>114X7132 | W05<br>W09 | SC21G      | G                   | 27        | 0.920                       | 1.146 | 1.400 | 1.683 | 1.995 | 2.336 | 2.707 | 1.102         | 0.653  | 1.69 |      | 63                      | 32                               |
|              |                      |            |            |                     | 32        | 0.842                       | 1.058 | 1.302 | 1.575 | 1.877 | 2.207 | 2.567 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 0.754                       | 0.956 | 1.185 | 1.442 | 1.729 | 2.044 | 2.388 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.681                       | 0.868 | 1.083 | 1.325 | 1.596 | 1.896 | 2.226 |               |        |      |      |                         |                                  |
| OP-MSGM026AJ | 114X7103<br>114X7209 | W05<br>W09 | CAJ4492Y   | G                   | 27        | 1.167                       | 1.489 | 1.863 | 2.294 | 2.782 | 3.330 | 3.936 | 1.414         | 0.777  | 1.82 |      | 62                      | 31                               |
|              |                      |            |            |                     | 32        | 1.059                       | 1.361 | 1.711 | 2.112 | 2.568 | 3.079 | 3.647 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 0.928                       | 1.209 | 1.531 | 1.899 | 2.317 | 2.786 | 3.309 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.817                       | 1.081 | 1.382 | 1.724 | 2.111 | 2.547 | 3.033 |               |        |      |      |                         |                                  |
| OP-MSGM033AJ | 114X7104<br>114X7210 | W05<br>W09 | CAJ4511Y   | G                   | 27        | 1.520                       | 1.910 | 2.357 | 2.861 | 3.424 | 4.045 | 4.722 | 1.829         | 0.901  | 2.03 |      | 67                      | 36                               |
|              |                      |            |            |                     | 32        | 1.392                       | 1.759 | 2.177 | 2.649 | 3.176 | 3.758 | 4.394 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 1.234                       | 1.575 | 1.961 | 2.395 | 2.879 | 3.414 | 4.001 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.101                       | 1.420 | 1.780 | 2.182 | 2.631 | 3.129 | 3.674 |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7062<br>114X7196 | W05<br>W09 | MLZ015T4   | E                   | 27        | 1.941                       | 2.403 | 2.952 | 3.595 | 4.339 | 5.187 | 6.142 | 2.344         | 1.044  | 2.25 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 1.816                       | 2.256 | 2.776 | 3.386 | 4.091 | 4.897 | 5.807 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 1.665                       | 2.075 | 2.560 | 3.128 | 3.786 | 4.540 | 5.394 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.538                       | 1.922 | 2.376 | 2.907 | 3.524 | 4.234 | 5.041 |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7061<br>114X7195 | W05<br>W09 | MLZ015T5   | G                   | 27        | 1.918                       | 2.378 | 2.926 | 3.570 | 4.318 | 5.173 | 6.138 | 2.326         | 1.063  | 2.19 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 1.801                       | 2.238 | 2.756 | 3.365 | 4.071 | 4.880 | 5.796 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 1.657                       | 2.066 | 2.547 | 3.112 | 3.768 | 4.521 | 5.376 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.534                       | 1.918 | 2.369 | 2.896 | 3.509 | 4.215 | 5.019 |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7212             | W09        | MLZ019T4   | E                   | 27        | 2.480                       | 3.070 | 3.759 | 4.556 | 5.464 | 6.487 | 7.626 | 2.992         | 1.298  | 2.31 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 2.312                       | 2.876 | 3.533 | 4.290 | 5.153 | 6.127 | 7.213 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 2.104                       | 2.635 | 3.250 | 3.959 | 4.767 | 5.680 | 6.700 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.926                       | 2.427 | 3.007 | 3.673 | 4.434 | 5.295 | 6.260 |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7211             | W09        | MLZ019T5   | G                   | 27        | 2.404                       | 2.984 | 3.666 | 4.458 | 5.366 | 6.393 | 7.541 | 2.921         | 1.506  | 1.94 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 2.252                       | 2.807 | 3.457 | 4.210 | 5.074 | 6.052 | 7.147 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 2.063                       | 2.585 | 3.194 | 3.899 | 4.708 | 5.625 | 6.656 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.901                       | 2.393 | 2.966 | 3.629 | 4.390 | 5.255 | 6.230 |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7064<br>114X7198 | W05<br>W09 | MLZ021T4   | E                   | 27        | 2.627                       | 3.249 | 3.975 | 4.812 | 5.765 | 6.838 | 8.030 | 3.167         | 1.372  | 2.31 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 2.448                       | 3.043 | 3.734 | 4.530 | 5.437 | 6.457 | 7.594 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 2.227                       | 2.786 | 3.434 | 4.179 | 5.027 | 5.984 | 7.053 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.037                       | 2.565 | 3.174 | 3.875 | 4.674 | 5.577 | 6.588 |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -15°C                       | -10°C | -5°C  | 0°C    | 5°C    | 10°C   | 15°C   |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7063<br>114X7197 | W05<br>W09 | MLZ021T5   | G                   | 27        | 2.553                       | 3.167 | 3.887 | 4.720  | 5.671  | 6.744  | 7.938  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.390                       | 2.978 | 3.664 | 4.455  | 5.359  | 6.379  | 7.516  | 3.101         | 1.572  | 1.97 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.188                       | 2.741 | 3.383 | 4.123  | 4.968  | 5.923  | 6.991  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.015                       | 2.536 | 3.140 | 3.835  | 4.629  | 5.529  | 6.538  |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7066<br>114X7200 | W05<br>W09 | MLZ026T4   | E                   | 27        | 3.198                       | 3.959 | 4.836 | 5.832  | 6.952  | 8.198  | 9.567  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.967                       | 3.698 | 4.535 | 5.485  | 6.552  | 7.738  | 9.043  | 3.853         | 1.684  | 2.29 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.678                       | 3.369 | 4.157 | 5.049  | 6.050  | 7.162  | 8.389  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.430                       | 3.085 | 3.829 | 4.669  | 5.613  | 6.663  | 7.823  |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7065<br>114X7199 | W05<br>W09 | MLZ026T5   | G                   | 27        | 3.139                       | 3.884 | 4.748 | 5.736  | 6.852  | 8.095  | 9.463  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.936                       | 3.648 | 4.469 | 5.406  | 6.462  | 7.639  | 8.937  | 3.803         | 1.859  | 2.05 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.683                       | 3.353 | 4.120 | 4.992  | 5.976  | 7.073  | 8.284  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.464                       | 3.096 | 3.816 | 4.634  | 5.555  | 6.583  | 7.722  |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7068<br>114X7202 | W05<br>W09 | MLZ030T4   | E                   | 27        | 3.996                       | 4.933 | 6.037 | 7.321  | 8.796  | 10.469 | 12.343 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.750                       | 4.646 | 5.697 | 6.918  | 8.321  | 9.913  | 11.700 | 4.830         | 1.951  | 2.48 |      | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 3.443                       | 4.285 | 5.269 | 6.411  | 7.723  | 9.215  | 10.894 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.178                       | 3.971 | 4.896 | 5.969  | 7.203  | 8.609  | 10.197 |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7067<br>114X7201 | W05<br>W09 | MLZ030T5   | G                   | 27        | 3.939                       | 4.851 | 5.924 | 7.172  | 8.605  | 10.231 | 12.054 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.685                       | 4.557 | 5.580 | 6.768  | 8.132  | 9.683  | 11.424 | 4.737         | 2.094  | 2.26 |      | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 3.369                       | 4.189 | 5.147 | 6.260  | 7.539  | 8.995  | 10.636 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.098                       | 3.870 | 4.772 | 5.819  | 7.024  | 8.399  | 9.953  |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7070<br>114X7204 | W05<br>W09 | MLZ038T4   | E                   | 27        | 4.678                       | 5.758 | 7.025 | 8.494  | 10.173 | 12.069 | 14.184 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.380                       | 5.410 | 6.614 | 8.007  | 9.600  | 11.400 | 13.412 | 5.627         | 2.217  | 2.54 | 3.82 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.011                       | 4.975 | 6.099 | 7.398  | 8.884  | 10.568 | 12.454 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.694                       | 4.601 | 5.655 | 6.872  | 8.267  | 9.850  | 11.630 |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7069<br>114X7203 | W05<br>W09 | MLZ038T5   | G                   | 27        | 4.597                       | 5.682 | 6.956 | 8.432  | 10.120 | 12.025 | 14.149 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.312                       | 5.348 | 6.559 | 7.959  | 9.560  | 11.369 | 13.389 | 5.565         | 2.517  | 2.21 | 3.18 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 3.957                       | 4.930 | 6.062 | 7.369  | 8.862  | 10.553 | 12.446 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.650                       | 4.568 | 5.631 | 6.857  | 8.259  | 9.849  | 11.635 |               |        |      |      |                         |                                  |
| OP-MSXM099ML | 114X7071<br>114X7205 | W05<br>W09 | MLZ045T4   | E                   | 27        | 5.715                       | 7.037 | 8.578 | 10.350 | 12.362 | 14.615 | 17.106 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.347                       | 6.604 | 8.064 | 9.740  | 11.641 | 13.772 | 16.133 | 6.879         | 2.830  | 2.43 | 3.71 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.890                       | 6.066 | 7.425 | 8.982  | 10.748 | 12.731 | 14.933 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 4.497                       | 5.602 | 6.874 | 8.329  | 9.980  | 11.837 | 13.906 |               |        |      |      |                         |                                  |
| OP-MSXM108ML | 114X7072<br>114X7206 | W05<br>W09 | MLZ048T4   | E                   | 27        | 6.082                       | 7.496 | 9.139 | 11.024 | 13.160 | 15.548 | 18.187 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.659                       | 7.007 | 8.569 | 10.359 | 12.387 | 14.658 | 17.173 | 7.300         | 3.095  | 2.36 | 3.73 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 5.137                       | 6.402 | 7.862 | 9.534  | 11.429 | 13.556 | 15.919 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 4.691                       | 5.882 | 7.254 | 8.823  | 10.604 | 12.608 | 14.842 |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|--------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -20°C                       | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C   |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7062<br>114X7196 | W05<br>W09 | MLZ015T4   | E                   | 27        | 2.372                       | 2.942 | 3.595 | 4.338 | 5.175 | 6.110 | 7.142  | 3.409         | 1.647  | 2.07 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 2.193                       | 2.731 | 3.348 | 4.050 | 4.843 | 5.729 | 6.711  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 1.965                       | 2.464 | 3.035 | 3.685 | 4.422 | 5.248 | 6.169  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 2.229 | 2.759 | 3.365 | 4.053 | 4.828 | 5.696  |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7061<br>114X7195 | W05<br>W09 | MLZ015T5   | G                   | 27        | 2.360                       | 2.934 | 3.592 | 4.340 | 5.182 | 6.120 | 7.153  | 3.418         | 1.604  | 2.13 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 2.195                       | 2.736 | 3.356 | 4.061 | 4.856 | 5.743 | 6.725  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 1.992                       | 2.491 | 3.063 | 3.715 | 4.451 | 5.277 | 6.194  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 2.283 | 2.812 | 3.416 | 4.102 | 4.875 | 5.737  |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7212             | W09        | MLZ019T4   | E                   | 27        | 2.992                       | 3.699 | 4.502 | 5.404 | 6.409 | 7.517 | 8.727  | 4.281         | 2.165  | 1.98 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 2.780                       | 3.443 | 4.194 | 5.040 | 5.984 | 7.027 | 8.170  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 2.521                       | 3.129 | 3.817 | 4.592 | 5.460 | 6.423 | 7.484  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 2.863 | 3.495 | 4.209 | 5.011 | 5.906 | 6.897  |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7211             | W09        | MLZ019T5   | G                   | 27        | 2.894                       | 3.600 | 4.404 | 5.314 | 6.332 | 7.459 | 8.696  | 4.207         | 2.280  | 1.85 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 2.697                       | 3.363 | 4.121 | 4.978 | 5.939 | 7.007 | 8.181  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 2.454                       | 3.068 | 3.767 | 4.559 | 5.449 | 6.442 | 7.541  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 2.813 | 3.460 | 4.195 | 5.025 | 5.954 | 6.987  |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7064<br>114X7198 | W05<br>W09 | MLZ021T4   | E                   | 27        | 3.178                       | 3.933 | 4.791 | 5.759 | 6.840 | 8.035 | 9.343  | 4.535         | 2.237  | 2.03 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 2.930                       | 3.640 | 4.446 | 5.355 | 6.372 | 7.499 | 8.738  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 2.622                       | 3.274 | 4.014 | 4.850 | 5.788 | 6.832 | 7.985  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 2.957 | 3.639 | 4.411 | 5.281 | 6.254 | 7.335  |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7063<br>114X7197 | W05<br>W09 | MLZ021T5   | G                   | 27        | 3.182                       | 3.942 | 4.809 | 5.791 | 6.890 | 8.108 | 9.445  | 4.568         | 2.352  | 1.94 |      | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 2.949                       | 3.663 | 4.477 | 5.400 | 6.437 | 7.589 | 8.858  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 2.665                       | 3.318 | 4.065 | 4.914 | 5.871 | 6.941 | 8.127  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 3.025 | 3.713 | 4.496 | 5.384 | 6.382 | 7.495  |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7066<br>114X7200 | W05<br>W09 | MLZ026T4   | E                   | 27        | 3.811                       | 4.724 | 5.742 | 6.868 | 8.104 | 9.450 | 10.901 | 5.406         | 2.940  | 1.84 | 3.15 | 69                      | 38                               |
|              |                      |            |            |                     | 32        | 3.473                       | 4.333 | 5.289 | 6.345 | 7.506 | 8.770 | 10.138 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 38        | 3.048                       | 3.841 | 4.718 | 5.688 | 6.754 | 7.919 | 9.186  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 3.412 | 4.221 | 5.114 | 6.099 | 7.179 | 8.360  |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |        |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|--------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |        |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -20°C                       | -15°C | -10°C  | -5°C   | 0°C    | 5°C    | 10°C   |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7065<br>114X7199 | W05<br>W09 | MLZ026T5   | G                   | 27        | 3.863                       | 4.769 | 5.790  | 6.932  | 8.193  | 9.572  | 11.064 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.561                       | 4.404 | 5.354  | 6.416  | 7.593  | 8.883  | 10.284 | 5.475         | 3.082  | 1.78 | 2.93 | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 3.185                       | 3.945 | 4.803  | 5.766  | 6.836  | 8.016  | 9.306  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 3.548 | 4.323  | 5.197  | 6.175  | 7.260  | 8.454  |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7067<br>114X7201 | W05<br>W09 | MLZ030T5   | G                   | 27        | 4.812                       | 5.958 | 7.265  | 8.744  | 10.404 | 12.248 | 14.278 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.447                       | 5.529 | 6.761  | 8.157  | 9.726  | 11.473 | 13.403 | 6.890         | 3.266  | 2.11 | 3.30 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 3.993                       | 4.993 | 6.132  | 7.424  | 8.879  | 10.507 | 12.313 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 4.531 | 5.587  | 6.788  | 8.146  | 9.671  | 11.373 |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7068<br>114X7202 | W05<br>W09 | MLZ030T4   | E                   | 27        | 4.860                       | 5.997 | 7.295  | 8.767  | 10.419 | 12.259 | 14.287 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.485                       | 5.559 | 6.783  | 8.172  | 9.734  | 11.476 | 13.402 | 6.911         | 3.138  | 2.20 | 3.48 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.012                       | 5.003 | 6.134  | 7.418  | 8.867  | 10.490 | 12.292 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 4.516 | 5.564  | 6.758  | 8.109  | 9.629  | 11.326 |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7069<br>114X7203 | W05<br>W09 | MLZ038T5   | G                   | 27        | 5.554                       | 6.850 | 8.310  | 9.943  | 11.753 | 13.739 | 15.900 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.167                       | 6.388 | 7.759  | 9.290  | 10.988 | 12.855 | 14.891 | 7.919         | 3.985  | 1.99 | 3.07 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.680                       | 5.803 | 7.062  | 8.467  | 10.027 | 11.747 | 13.631 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 5.292 | 6.452  | 7.747  | 9.188  | 10.783 | 12.539 |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7070<br>114X7204 | W05<br>W09 | MLZ038T4   | E                   | 27        | 5.654                       | 6.949 | 8.417  | 10.066 | 11.901 | 13.922 | 16.126 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.214                       | 6.433 | 7.812  | 9.361  | 11.088 | 12.995 | 15.081 | 7.969         | 3.716  | 2.14 | 3.49 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.667                       | 5.786 | 7.053  | 8.479  | 10.073 | 11.838 | 13.779 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 5.227 | 6.395  | 7.714  | 9.192  | 10.836 | 12.654 |               |        |      |      |                         |                                  |
| OP-MSXM099ML | 114X7071<br>114X7205 | W05<br>W09 | MLZ045T4   | E                   | 27        | 6.863                       | 8.500 | 10.345 | 12.405 | 14.683 | 17.178 | 19.881 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 6.342                       | 7.876 | 9.600  | 11.525 | 13.656 | 15.995 | 18.537 | 9.800         | 4.693  | 2.09 | 3.46 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 5.692                       | 7.092 | 8.663  | 10.419 | 12.367 | 14.513 | 16.859 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 6.412 | 7.848  | 9.456  | 11.247 | 13.228 | 15.406 |               |        |      |      |                         |                                  |
| OP-MSXM108ML | 114X7072<br>114X7206 | W05<br>W09 | MLZ048T4   | E                   | 27        | 7.357                       | 9.067 | 10.997 | 13.154 | 15.541 | 18.156 | 20.992 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 6.775                       | 8.377 | 10.182 | 12.201 | 14.439 | 16.897 | 19.572 | 10.403        | 5.300  | 1.96 | 3.31 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 6.050                       | 7.513 | 9.161  | 11.008 | 13.061 | 15.326 | 17.804 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 6.764 | 8.274  | 9.971  | 11.865 | 13.964 | 16.275 |               |        |      |      |                         |                                  |

**MBP**

(1) **G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input



For regular updates and detailed capacities, please refer to **Coolselector®2** software



| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -20°C                       | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C  |               |        |      |      |                         |                                  |
| OP-MSYM009MY | 114X7108<br>114X7133 | W05<br>W09 | MLY90RAB   | G                   | 27        | -                           | 0.668 | 0.878 | 1.098 | 1.327 | 1.566 | -     |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | -                           | 0.609 | 0.801 | 1.004 | 1.217 | 1.441 | -     | 0.813         | 0.430  | 1.89 |      | 62                      | 31                               |
|              |                      |            |            |                     | 38        | -                           | 0.540 | 0.710 | 0.892 | 1.086 | 1.290 | -     |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.482 | 0.635 | 0.800 | 0.976 | 1.164 | -     |               |        |      |      |                         |                                  |
| OP-MSYM012MP | 114X7109<br>114X7134 | W05<br>W09 | MPT12RA    | G                   | 27        | -                           | 0.930 | 1.198 | 1.478 | 1.768 | 2.067 | -     |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | -                           | 0.848 | 1.095 | 1.353 | 1.623 | 1.902 | -     | 1.112         | 0.589  | 1.89 |      | 65                      | 34                               |
|              |                      |            |            |                     | 38        | -                           | 0.751 | 0.971 | 1.204 | 1.449 | 1.705 | -     |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.670 | 0.868 | 1.080 | 1.304 | 1.541 | -     |               |        |      |      |                         |                                  |
| OP-MSYM014MP | 114X7110<br>114X7135 | W05<br>W09 | MPT14RA    | G                   | 27        | -                           | 0.978 | 1.251 | 1.544 | 1.859 | 2.193 | -     |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | -                           | 0.896 | 1.147 | 1.421 | 1.716 | 2.032 | -     | 1.166         | 0.729  | 1.60 |      | 60                      | 29                               |
|              |                      |            |            |                     | 38        | -                           | 0.799 | 1.024 | 1.273 | 1.544 | 1.838 | -     |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.718 | 0.922 | 1.150 | 1.401 | 1.676 | -     |               |        |      |      |                         |                                  |
| OP-MSBM018AJ | 114X7111<br>114X7136 | W05<br>W09 | CAJ9510Z   | G                   | 27        | 0.932                       | 1.233 | 1.594 | 2.022 | 2.527 | 3.114 | 3.791 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.854                       | 1.134 | 1.469 | 1.868 | 2.339 | 2.889 | 3.524 | 1.491         | 0.781  | 1.91 |      | 64                      | 33                               |
|              |                      |            |            |                     | 38        | -                           | 1.015 | 1.321 | 1.685 | 2.117 | 2.622 | 3.209 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.916 | 1.199 | 1.535 | 1.934 | 2.404 | 2.950 |               |        |      |      |                         |                                  |
| OP-MSBM024AJ | 114X7097<br>114X7194 | W05<br>W09 | CAJ9513Z   | G                   | 27        | 1.153                       | 1.549 | 2.021 | 2.577 | 3.222 | 3.960 | 4.796 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.041                       | 1.409 | 1.847 | 2.363 | 2.964 | 3.655 | 4.439 | 1.876         | 0.902  | 2.08 |      | 64                      | 33                               |
|              |                      |            |            |                     | 38        | -                           | 1.244 | 1.643 | 2.113 | 2.663 | 3.297 | 4.021 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 1.107 | 1.475 | 1.909 | 2.417 | 3.006 | 3.679 |               |        |      |      |                         |                                  |
| OP-MSBM026AJ | 114X7083<br>114X7190 | W05<br>W09 | CAJ4517Z   | G                   | 27        | 1.321                       | 1.737 | 2.227 | 2.802 | 3.469 | 4.235 | 5.103 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.203                       | 1.591 | 2.047 | 2.582 | 3.205 | 3.923 | 4.739 | 2.080         | 1.009  | 2.06 |      | 67                      | 36                               |
|              |                      |            |            |                     | 38        | -                           | 1.416 | 1.833 | 2.323 | 2.894 | 3.554 | 4.309 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 1.271 | 1.657 | 2.109 | 2.638 | 3.252 | 3.956 |               |        |      |      |                         |                                  |
| OP-MSBM026AJ | 114X7093<br>114X7192 | W05<br>W09 | TAJ4517Z   | E                   | 27        | 1.298                       | 1.730 | 2.233 | 2.819 | 3.495 | 4.268 | 5.144 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.169                       | 1.575 | 2.048 | 2.597 | 3.232 | 3.960 | 4.785 | 2.081         | 1.059  | 1.97 |      | 67                      | 36                               |
|              |                      |            |            |                     | 38        | -                           | 1.388 | 1.824 | 2.330 | 2.917 | 3.590 | 4.356 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 1.231 | 1.637 | 2.109 | 2.654 | 3.283 | 4.000 |               |        |      |      |                         |                                  |
| OP-MSBM034AJ | 114X7094<br>114X7193 | W05<br>W09 | TAJ4519Z   | E                   | 27        | 1.650                       | 2.164 | 2.762 | 3.451 | 4.239 | 5.132 | 6.131 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.503                       | 1.986 | 2.546 | 3.191 | 3.930 | 4.768 | 5.708 | 2.591         | 1.350  | 1.92 |      | 68                      | 37                               |
|              |                      |            |            |                     | 38        | -                           | 1.771 | 2.288 | 2.882 | 3.562 | 4.336 | 5.206 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 1.589 | 2.071 | 2.625 | 3.259 | 3.980 | 4.792 |               |        |      |      |                         |                                  |
| OP-MSBM034AJ | 114X7084<br>114X7191 | W05<br>W09 | CAJ4519Z   | G                   | 27        | 1.650                       | 2.185 | 2.805 | 3.521 | 4.340 | 5.269 | 6.309 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.498                       | 2.000 | 2.581 | 3.251 | 4.018 | 4.889 | 5.866 | 2.627         | 1.416  | 1.86 |      | 68                      | 37                               |
|              |                      |            |            |                     | 38        | -                           | 1.776 | 2.310 | 2.925 | 3.630 | 4.431 | 5.333 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 1.588 | 2.083 | 2.652 | 3.306 | 4.050 | 4.889 |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7062<br>114X7196 | W05<br>W09 | MLZ015T4   | E                   | 27        | 2.367                       | 2.937 | 3.590 | 4.334 | 5.172 | 6.108 | 7.142 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.187                       | 2.726 | 3.343 | 4.046 | 4.839 | 5.727 | 6.711 | 3.409         | 1.647  | 2.07 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 1.960                       | 2.458 | 3.029 | 3.681 | 4.418 | 5.246 | 6.169 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 2.224 | 2.754 | 3.360 | 4.049 | 4.826 | 5.696 |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7061<br>114X7195 | W05<br>W09 | MLZ015T5   | G                   | 27        | 2.355                       | 2.929 | 3.587 | 4.336 | 5.179 | 6.118 | 7.153 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.189                       | 2.731 | 3.351 | 4.057 | 4.852 | 5.741 | 6.725 | 3.418         | 1.604  | 2.13 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 1.987                       | 2.486 | 3.058 | 3.710 | 4.447 | 5.274 | 6.194 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 2.277 | 2.807 | 3.412 | 4.098 | 4.872 | 5.737 |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |        |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|--------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |        |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -20°C                       | -15°C | -10°C  | -5°C   | 0°C    | 5°C    | 10°C   |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7212             | W09        | MLZ019T4   | E                   | 27        | 2.986                       | 3.693 | 4.495  | 5.398  | 6.405  | 7.515  | 8.727  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.773                       | 3.436 | 4.188  | 5.034  | 5.980  | 7.025  | 8.170  | 4.281         | 2.165  | 1.98 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.514                       | 3.122 | 3.810  | 4.586  | 5.455  | 6.420  | 7.484  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 2.856 | 3.489  | 4.203  | 5.007  | 5.903  | 6.897  |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7211             | W09        | MLZ019T5   | G                   | 27        | 2.888                       | 3.593 | 4.398  | 5.308  | 6.327  | 7.457  | 8.696  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.691                       | 3.356 | 4.114  | 4.972  | 5.935  | 7.004  | 8.181  | 4.207         | 2.280  | 1.85 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.447                       | 3.061 | 3.760  | 4.553  | 5.445  | 6.439  | 7.541  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 2.806 | 3.454  | 4.189  | 5.020  | 5.951  | 6.987  |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7064<br>114X7198 | W05<br>W09 | MLZ021T4   | E                   | 27        | 3.171                       | 3.926 | 4.785  | 5.753  | 6.835  | 8.032  | 9.343  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.923                       | 3.633 | 4.439  | 5.349  | 6.367  | 7.497  | 8.738  | 4.535         | 2.237  | 2.03 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.615                       | 3.267 | 4.007  | 4.843  | 5.783  | 6.829  | 7.985  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 2.950 | 3.632  | 4.405  | 5.276  | 6.251  | 7.335  |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7063<br>114X7197 | W05<br>W09 | MLZ021T5   | G                   | 27        | 3.175                       | 3.935 | 4.802  | 5.785  | 6.885  | 8.106  | 9.445  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.942                       | 3.655 | 4.470  | 5.394  | 6.432  | 7.586  | 8.858  | 4.568         | 2.352  | 1.94 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.657                       | 3.311 | 4.058  | 4.908  | 5.866  | 6.938  | 8.127  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 3.018 | 3.705  | 4.490  | 5.379  | 6.379  | 7.495  |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7066<br>114X7200 | W05<br>W09 | MLZ026T4   | E                   | 27        | 3.803                       | 4.716 | 5.734  | 6.861  | 8.099  | 9.446  | 10.901 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.464                       | 4.325 | 5.281  | 6.338  | 7.500  | 8.767  | 10.138 | 5.406         | 2.940  | 1.84 | 3.15 | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 3.040                       | 3.832 | 4.710  | 5.680  | 6.748  | 7.916  | 9.186  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 3.403 | 4.213  | 5.107  | 6.093  | 7.176  | 8.360  |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7065<br>114X7199 | W05<br>W09 | MLZ026T5   | G                   | 27        | 3.855                       | 4.760 | 5.782  | 6.924  | 8.188  | 9.569  | 11.064 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.553                       | 4.395 | 5.345  | 6.409  | 7.587  | 8.880  | 10.284 | 5.475         | 3.082  | 1.78 | 2.93 | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 3.176                       | 3.936 | 4.795  | 5.758  | 6.830  | 8.013  | 9.306  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 3.539 | 4.315  | 5.190  | 6.169  | 7.257  | 8.454  |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7067<br>114X7201 | W05<br>W09 | MLZ030T5   | G                   | 27        | 4.802                       | 5.948 | 7.255  | 8.735  | 10.397 | 12.244 | 14.278 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.436                       | 5.518 | 6.751  | 8.148  | 9.719  | 11.469 | 13.403 | 6.890         | 3.266  | 2.11 | 3.30 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 3.983                       | 4.982 | 6.121  | 7.414  | 8.872  | 10.503 | 12.313 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 4.520 | 5.577  | 6.779  | 8.139  | 9.667  | 11.373 |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7068<br>114X7202 | W05<br>W09 | MLZ030T4   | E                   | 27        | 4.849                       | 5.986 | 7.285  | 8.758  | 10.412 | 12.255 | 14.287 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.475                       | 5.548 | 6.773  | 8.163  | 9.727  | 11.472 | 13.402 | 6.911         | 3.138  | 2.20 | 3.48 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.001                       | 4.992 | 6.123  | 7.409  | 8.860  | 10.486 | 12.292 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 4.505 | 5.553  | 6.748  | 8.102  | 9.625  | 11.326 |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7069<br>114X7203 | W05<br>W09 | MLZ038T5   | G                   | 27        | 5.542                       | 6.838 | 8.298  | 9.933  | 11.744 | 13.735 | 15.900 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.155                       | 6.375 | 7.747  | 9.279  | 10.980 | 12.850 | 14.891 | 7.919         | 3.985  | 1.99 | 3.07 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.667                       | 5.790 | 7.049  | 8.456  | 10.018 | 11.742 | 13.631 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 5.279 | 6.439  | 7.736  | 9.180  | 10.778 | 12.539 |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7070<br>114X7204 | W05<br>W09 | MLZ038T4   | E                   | 27        | 5.641                       | 6.937 | 8.405  | 10.056 | 11.893 | 13.917 | 16.126 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.202                       | 6.420 | 7.800  | 9.351  | 11.080 | 12.990 | 15.081 | 7.969         | 3.716  | 2.14 | 3.49 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.654                       | 5.774 | 7.041  | 8.469  | 10.064 | 11.833 | 13.779 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 5.214 | 6.383  | 7.703  | 9.183  | 10.832 | 12.654 |               |        |      |      |                         |                                  |
| OP-MSXM099ML | 114X7071<br>114X7205 | W05<br>W09 | MLZ045T4   | E                   | 27        | 6.848                       | 8.485 | 10.330 | 12.392 | 14.673 | 17.172 | 19.881 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 6.327                       | 7.860 | 9.585  | 11.512 | 13.646 | 15.989 | 18.537 | 9.800         | 4.693  | 2.09 | 3.46 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 5.676                       | 7.076 | 8.648  | 10.405 | 12.357 | 14.507 | 16.859 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 6.396 | 7.833  | 9.443  | 11.237 | 13.222 | 15.406 |               |        |      |      |                         |                                  |
| OP-MSXM108ML | 114X7072<br>114X7206 | W05<br>W09 | MLZ048T4   | E                   | 27        | 7.341                       | 9.051 | 10.981 | 13.140 | 15.530 | 18.149 | 20.992 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 6.758                       | 8.360 | 10.166 | 12.187 | 14.428 | 16.891 | 19.572 | 10.403        | 5.300  | 1.96 | 3.31 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 6.033                       | 7.496 | 9.145  | 10.994 | 13.050 | 15.319 | 17.804 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 6.748 | 8.258  | 9.957  | 11.854 | 13.958 | 16.275 |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


For regular updates and detailed capacities, please refer to **Coolselector®2** software




| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -20°C                       | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C  |               |        |      |      |                         |                                  |
| OP-MSBM018AJ | 114X7111<br>114X7136 | W05<br>W09 | CAJ9510Z   | G                   | 27        | 0.957                       | 1.220 | 1.526 | 1.879 | 2.280 | 2.732 | 3.234 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 0.867                       | 1.111 | 1.393 | 1.718 | 2.088 | 2.506 | 2.971 | 1.457         | 0.887  | 1.64 |      | 64                      | 33                               |
|              |                      |            |            |                     | 38        | 0.758                       | 0.978 | 1.231 | 1.523 | 1.856 | 2.233 | 2.654 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.665                       | 0.866 | 1.095 | 1.359 | 1.660 | -     | -     |               |        |      |      |                         |                                  |
| OP-MSBM024AJ | 114X7097<br>114X7194 | W05<br>W09 | CAJ9513Z   | G                   | 27        | 1.194                       | 1.550 | 1.962 | 2.434 | 2.967 | 3.559 | 4.210 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.069                       | 1.398 | 1.778 | 2.213 | 2.704 | 3.253 | 3.856 | 1.858         | 1.018  | 1.83 |      | 64                      | 33                               |
|              |                      |            |            |                     | 38        | 0.919                       | 1.215 | 1.557 | 1.948 | 2.390 | 2.885 | 3.432 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.792                       | 1.062 | 1.372 | 1.726 | 2.127 | -     | -     |               |        |      |      |                         |                                  |
| OP-MSBM026AJ | 114X7093<br>114X7192 | W05<br>W09 | TAJ4517Z   | E                   | 27        | 1.331                       | 1.717 | 2.155 | 2.649 | 3.204 | 3.819 | 4.494 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.186                       | 1.547 | 1.954 | 2.413 | 2.927 | 3.498 | 4.126 | 2.044         | 1.200  | 1.70 |      | 67                      | 36                               |
|              |                      |            |            |                     | 38        | 1.009                       | 1.340 | 1.709 | 2.125 | 2.590 | 3.108 | 3.677 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.863                       | 1.166 | 1.504 | 1.882 | 2.306 | -     | -     |               |        |      |      |                         |                                  |
| OP-MSBM026AJ | 114X7083<br>114X7190 | W05<br>W09 | CAJ4517Z   | G                   | 27        | 1.364                       | 1.733 | 2.156 | 2.639 | 3.185 | 3.792 | 4.460 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.230                       | 1.571 | 1.963 | 2.408 | 2.912 | 3.474 | 4.094 | 2.053         | 1.144  | 1.80 |      | 67                      | 36                               |
|              |                      |            |            |                     | 38        | 1.068                       | 1.377 | 1.729 | 2.129 | 2.583 | 3.090 | 3.652 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 0.932                       | 1.214 | 1.533 | 1.895 | 2.306 | -     | -     |               |        |      |      |                         |                                  |
| OP-MSBM034AJ | 114X7094<br>114X7193 | W05<br>W09 | TAJ4519Z   | E                   | 27        | 1.729                       | 2.199 | 2.732 | 3.335 | 4.010 | 4.758 | 5.576 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.559                       | 1.999 | 2.495 | 3.053 | 3.678 | 4.371 | 5.129 | 2.612         | 1.517  | 1.72 |      | 68                      | 37                               |
|              |                      |            |            |                     | 38        | 1.352                       | 1.754 | 2.204 | 2.710 | 3.275 | 3.901 | 4.587 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.174                       | 1.545 | 1.957 | 2.418 | 2.932 | -     | -     |               |        |      |      |                         |                                  |
| OP-MSBM034AJ | 114X7084<br>114X7191 | W05<br>W09 | CAJ4519Z   | G                   | 27        | 1.723                       | 2.213 | 2.768 | 3.393 | 4.093 | 4.868 | 5.713 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.549                       | 2.006 | 2.520 | 3.099 | 3.746 | 4.461 | 5.244 | 2.639         | 1.589  | 1.66 |      | 68                      | 37                               |
|              |                      |            |            |                     | 38        | 1.337                       | 1.753 | 2.217 | 2.738 | 3.320 | 3.964 | 4.670 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.160                       | 1.540 | 1.961 | 2.433 | 2.959 | -     | -     |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7062<br>114X7196 | W05<br>W09 | MLZ015T4   | E                   | 27        | 2.416                       | 2.968 | 3.599 | 4.314 | 5.115 | 6.001 | 6.972 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.235                       | 2.745 | 3.328 | 3.990 | 4.734 | 5.560 | 6.471 | 3.490         | 1.727  | 2.02 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.013                       | 2.470 | 2.995 | 3.591 | 4.264 | 5.017 | 5.854 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.823                       | 2.235 | 2.708 | 3.248 | 3.861 | -     | -     |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7061<br>114X7195 | W05<br>W09 | MLZ015T5   | G                   | 27        | 2.435                       | 2.988 | 3.622 | 4.341 | 5.145 | 6.036 | 7.014 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.250                       | 2.762 | 3.350 | 4.017 | 4.767 | 5.602 | 6.521 | 3.512         | 1.744  | 2.01 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.020                       | 2.480 | 3.010 | 3.613 | 4.295 | 5.059 | 5.907 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.824                       | 2.237 | 2.715 | 3.263 | 3.886 | -     | -     |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7212             | W09        | MLZ019T4   | E                   | 27        | 3.088                       | 3.791 | 4.588 | 5.484 | 6.478 | 7.571 | 8.760 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.845                       | 3.497 | 4.236 | 5.066 | 5.991 | 7.010 | 8.126 | 4.444         | 2.190  | 2.03 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.545                       | 3.132 | 3.798 | 4.548 | 5.386 | 6.316 | 7.341 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.287                       | 2.818 | 3.420 | 4.100 | 4.865 | -     | -     |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7211             | W09        | MLZ019T5   | G                   | 27        | 3.073                       | 3.792 | 4.605 | 5.516 | 6.527 | 7.637 | 8.846 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.835                       | 3.506 | 4.264 | 5.113 | 6.056 | 7.095 | 8.232 | 4.476         | 2.305  | 1.94 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.535                       | 3.145 | 3.833 | 4.605 | 5.466 | 6.418 | 7.467 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.274                       | 2.829 | 3.457 | 4.162 | 4.951 | -     | -     |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software




| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |        |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|--------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |        |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -20°C                       | -15°C | -10°C  | -5°C   | 0°C    | 5°C    | 10°C   |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7064<br>114X7198 | W05<br>W09 | MLZ021T4   | E                   | 27        | 3.254                       | 4.003 | 4.854  | 5.810  | 6.873  | 8.042  | 9.315  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.989                       | 3.684 | 4.473  | 5.361  | 6.351  | 7.444  | 8.641  | 4.695         | 2.310  | 2.03 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.662                       | 3.289 | 4.001  | 4.804  | 5.703  | 6.702  | 7.806  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.382                       | 2.948 | 3.592  | 4.322  | 5.143  | -      | -      |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7063<br>114X7197 | W05<br>W09 | MLZ021T5   | G                   | 27        | 3.273                       | 4.021 | 4.867  | 5.814  | 6.863  | 8.011  | 9.258  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.021                       | 3.712 | 4.495  | 5.371  | 6.344  | 7.414  | 8.580  | 4.720         | 2.422  | 1.95 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.708                       | 3.328 | 4.030  | 4.818  | 5.697  | 6.669  | 7.737  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.440                       | 2.996 | 3.626  | 4.337  | 5.135  | -      | -      |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7065<br>114X7199 | W05<br>W09 | MLZ026T5   | G                   | 27        | 4.063                       | 4.991 | 6.034  | 7.195  | 8.472  | 9.863  | 11.365 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.748                       | 4.604 | 5.566  | 6.636  | 7.816  | 9.106  | 10.503 | 5.848         | 2.956  | 1.98 | 3.16 | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 3.354                       | 4.120 | 4.979  | 5.936  | 6.996  | 8.159  | 9.430  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.013                       | 3.698 | 4.467  | 5.326  | 6.282  | -      | -      |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7066<br>114X7200 | W05<br>W09 | MLZ026T4   | E                   | 27        | 4.035                       | 4.949 | 5.981  | 7.135  | 8.410  | 9.805  | 11.316 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.694                       | 4.539 | 5.493  | 6.560  | 7.741  | 9.038  | 10.450 | 5.766         | 2.859  | 2.02 | 3.37 | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 3.267                       | 4.023 | 4.877  | 5.834  | 6.900  | 8.077  | 9.367  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.895                       | 3.571 | 4.337  | 5.200  | 6.165  | -      | -      |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7068<br>114X7202 | W05<br>W09 | MLZ030T4   | E                   | 27        | 4.911                       | 6.018 | 7.288  | 8.727  | 10.338 | 12.120 | 14.073 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.537                       | 5.559 | 6.731  | 8.063  | 9.559  | 11.223 | 13.055 | 7.062         | 3.363  | 2.10 | 3.39 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.079                       | 4.993 | 6.044  | 7.242  | 8.597  | 10.115 | 11.801 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.690                       | 4.508 | 5.453  | 6.537  | 7.771  | -      | -      |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7067<br>114X7201 | W05<br>W09 | MLZ030T5   | G                   | 27        | 4.934                       | 6.035 | 7.292  | 8.710  | 10.292 | 12.035 | 13.938 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.560                       | 5.576 | 6.736  | 8.048  | 9.515  | 11.139 | 12.921 | 7.070         | 3.502  | 2.02 | 3.21 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.098                       | 5.007 | 6.046  | 7.224  | 8.550  | 10.027 | 11.662 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.702                       | 4.516 | 5.449  | 6.513  | 7.717  | -      | -      |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7069<br>114X7203 | W05<br>W09 | MLZ038T5   | G                   | 27        | 5.708                       | 7.011 | 8.488  | 10.142 | 11.976 | 13.987 | 16.172 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.241                       | 6.449 | 7.818  | 9.354  | 11.060 | 12.938 | 14.989 | 8.209         | 4.157  | 1.97 | 3.14 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.661                       | 5.748 | 6.980  | 8.366  | 9.914  | 11.628 | 13.513 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 4.162                       | 5.140 | 6.251  | 7.507  | 8.917  | -      | -      |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7070<br>114X7204 | W05<br>W09 | MLZ038T4   | E                   | 27        | 5.728                       | 7.015 | 8.474  | 10.109 | 11.923 | 13.916 | 16.084 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.246                       | 6.443 | 7.798  | 9.319  | 11.010 | 12.875 | 14.913 | 8.183         | 3.917  | 2.09 | 3.44 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.644                       | 5.724 | 6.949  | 8.328  | 9.867  | 11.574 | 13.454 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 4.122                       | 5.100 | 6.210  | 7.465  | 8.873  | -      | -      |               |        |      |      |                         |                                  |
| OP-MSXM099ML | 114X7071<br>114X7205 | W05<br>W09 | MLZ045T4   | E                   | 27        | 7.099                       | 8.676 | 10.460 | 12.453 | 14.655 | 17.062 | 19.667 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 6.529                       | 7.982 | 9.625  | 11.465 | 13.502 | 15.737 | 18.169 | 10.112        | 4.988  | 2.03 | 3.33 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 5.815                       | 7.107 | 8.572  | 10.218 | 12.051 | 14.075 | 16.296 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 5.198                       | 6.346 | 7.653  | 9.130  | 10.786 | -      | -      |               |        |      |      |                         |                                  |
| OP-MSXM108ML | 114X7072<br>114X7206 | W05<br>W09 | MLZ048T4   | E                   | 27        | 7.664                       | 9.383 | 11.323 | 13.486 | 15.872 | 18.475 | 21.287 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 6.993                       | 8.581 | 10.374 | 12.376 | 14.589 | 17.011 | 19.641 | 10.904        | 5.444  | 2.00 | 3.39 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 6.157                       | 7.575 | 9.179  | 10.978 | 12.975 | 15.175 | 17.584 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 5.433                       | 6.699 | 8.136  | 9.756  | 11.567 | -      | -      |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -20°C                       | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C  |               |        |      |      |                         |                                  |
| OP-MSYM009MY | 114X7108<br>114X7133 | W05<br>W09 | MLY90RAb   | G                   | 27        | -                           | 0.814 | 1.007 | 1.217 | 1.443 | 1.684 | 1.941 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | -                           | 0.737 | 0.914 | 1.108 | 1.319 | 1.546 | 1.790 | 0.957         | 0.480  | 1.99 |      | 63                      | 32                               |
|              |                      |            |            |                     | 38        | -                           | 0.644 | 0.802 | 0.978 | 1.171 | 1.381 | 1.609 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.568 | 0.709 | 0.869 | 1.047 | 1.244 | 1.459 |               |        |      |      |                         |                                  |
| OP-MSYM012MP | 114X7109<br>114X7134 | W05<br>W09 | MPT12RA    | G                   | 27        | -                           | 1.115 | 1.365 | 1.631 | 1.914 | 2.213 | 2.526 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | -                           | 1.010 | 1.239 | 1.486 | 1.751 | 2.033 | 2.331 | 1.300         | 0.646  | 2.01 |      | 65                      | 34                               |
|              |                      |            |            |                     | 38        | -                           | 0.883 | 1.089 | 1.313 | 1.556 | 1.817 | 2.097 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.779 | 0.964 | 1.169 | 1.394 | 1.638 | 1.902 |               |        |      |      |                         |                                  |
| OP-MSYM014MP | 114X7110<br>114X7135 | W05<br>W09 | MPT14RA    | G                   | 27        | -                           | 1.130 | 1.396 | 1.685 | 1.999 | 2.335 | 2.693 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | -                           | 1.031 | 1.276 | 1.546 | 1.841 | 2.160 | 2.502 | 1.340         | 0.795  | 1.69 |      | 60                      | 29                               |
|              |                      |            |            |                     | 38        | -                           | 0.913 | 1.133 | 1.380 | 1.652 | 1.950 | 2.274 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 0.814 | 1.014 | 1.241 | 1.494 | 1.775 | 2.084 |               |        |      |      |                         |                                  |
| OP-MSBM018AJ | 114X7111<br>114X7136 | W05<br>W09 | CAJ9510Z   | G                   | 27        | 1.184                       | 1.477 | 1.818 | 2.209 | 2.651 | 3.146 | 3.694 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.078                       | 1.351 | 1.666 | 2.024 | 2.429 | 2.881 | 3.382 | 1.746         | 0.903  | 1.93 |      | 64                      | 33                               |
|              |                      |            |            |                     | 38        | -                           | -     | 1.480 | 1.800 | 2.160 | 2.561 | 3.005 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | -     | 1.324 | 1.612 | 1.933 | 2.292 | 2.688 |               |        |      |      |                         |                                  |
| OP-MSBM024AJ | 114X7097<br>114X7194 | W05<br>W09 | CAJ9513Z   | G                   | 27        | -                           | 1.822 | 2.288 | 2.820 | 3.418 | 4.082 | 4.808 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | -                           | 1.638 | 2.067 | 2.557 | 3.108 | 3.720 | 4.392 | 2.168         | 1.045  | 2.07 |      | 64                      | 33                               |
|              |                      |            |            |                     | 38        | -                           | 1.417 | 1.804 | 2.243 | 2.738 | 3.288 | 3.895 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 1.235 | 1.586 | 1.983 | 2.431 | 2.930 | 3.482 |               |        |      |      |                         |                                  |
| OP-MSBM026AJ | 114X7093<br>114X7192 | W05<br>W09 | TAJ4517Z   | E                   | 27        | 1.595                       | 2.029 | 2.522 | 3.078 | 3.700 | 4.388 | 5.141 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.416                       | 1.824 | 2.285 | 2.802 | 3.379 | 4.017 | 4.717 | 2.398         | 1.231  | 1.95 |      | 67                      | 36                               |
|              |                      |            |            |                     | 38        | 1.199                       | 1.575 | 1.996 | 2.465 | 2.987 | 3.565 | 4.200 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 1.368 | 1.754 | 2.182 | 2.657 | 3.184 | 3.765 |               |        |      |      |                         |                                  |
| OP-MSBM026AJ | 114X7083<br>114X7190 | W05<br>W09 | CAJ4517Z   | G                   | 27        | 1.626                       | 2.039 | 2.517 | 3.061 | 3.674 | 4.356 | 5.104 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.459                       | 1.844 | 2.285 | 2.788 | 3.353 | 3.982 | 4.675 | 2.399         | 1.172  | 2.05 |      | 67                      | 36                               |
|              |                      |            |            |                     | 38        | 1.259                       | 1.609 | 2.007 | 2.459 | 2.967 | 3.533 | 4.159 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 1.413 | 1.776 | 2.185 | 2.644 | 3.157 | 3.728 |               |        |      |      |                         |                                  |
| OP-MSBM034AJ | 114X7094<br>114X7193 | W05<br>W09 | TAJ4519Z   | E                   | 27        | 2.018                       | 2.526 | 3.102 | 3.747 | 4.461 | 5.242 | 6.087 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.811                       | 2.287 | 2.823 | 3.420 | 4.079 | 4.799 | 5.581 | 2.970         | 1.573  | 1.89 |      | 68                      | 37                               |
|              |                      |            |            |                     | 38        | 1.559                       | 1.997 | 2.484 | 3.023 | 3.616 | 4.264 | 4.969 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 1.753 | 2.199 | 2.689 | 3.227 | 3.815 | 4.456 |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -20°C                       | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C  |               |        |      |      |                         |                                  |
| OP-MSBM034AJ | 114X7084<br>114X7191 | W05<br>W09 | CAJ4519Z   | G                   | 27        | 2.015                       | 2.547 | 3.147 | 3.819 | 4.563 | 5.376 | 6.257 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 1.802                       | 2.300 | 2.859 | 3.480 | 4.166 | 4.916 | 5.729 | 3.008         | 1.650  | 1.82 |      | 68                      | 37                               |
|              |                      |            |            |                     | 38        | 1.544                       | 2.000 | 2.506 | 3.065 | 3.680 | 4.353 | 5.085 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | -                           | 1.749 | 2.209 | 2.715 | 3.270 | 3.878 | 4.541 |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7062<br>114X7196 | W05<br>W09 | MLZ015T4   | E                   | 27        | 2.502                       | 3.081 | 3.734 | 4.463 | 5.272 | 6.158 | 7.121 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.251                       | 2.793 | 3.398 | 4.073 | 4.820 | 5.640 | 6.535 | 3.580         | 1.693  | 2.11 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 1.926                       | 2.424 | 2.974 | 3.584 | 4.258 | 5.001 | 5.814 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.634                       | 2.095 | 2.600 | 3.157 | 3.772 | 4.451 | 5.198 |               |        |      |      |                         |                                  |
| OP-MSXM034ML | 114X7061<br>114X7195 | W05<br>W09 | MLZ015T5   | G                   | 27        | 2.591                       | 3.149 | 3.783 | 4.496 | 5.289 | 6.163 | 7.122 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.373                       | 2.890 | 3.478 | 4.142 | 4.882 | 5.703 | 6.608 | 3.669         | 1.762  | 2.08 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.101                       | 2.569 | 3.102 | 3.705 | 4.383 | 5.139 | 5.981 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 1.867                       | 2.293 | 2.780 | 3.334 | 3.959 | 4.662 | 5.452 |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7162<br>114X7212 | W05<br>W09 | MLZ019T4   | E                   | 27        | 3.235                       | 3.925 | 4.696 | 5.556 | 6.511 | 7.563 | 8.716 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.959                       | 3.596 | 4.307 | 5.101 | 5.985 | 6.964 | 8.044 | 4.556         | 2.203  | 2.07 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.604                       | 3.178 | 3.816 | 4.530 | 5.329 | 6.220 | 7.212 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.289                       | 2.808 | 3.385 | 4.032 | 4.759 | 5.576 | 6.497 |               |        |      |      |                         |                                  |
| OP-MSXM044ML | 114X7161<br>114X7211 | W05<br>W09 | MLZ019T5   | G                   | 27        | 3.279                       | 3.979 | 4.768 | 5.646 | 6.615 | 7.674 | 8.823 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 2.995                       | 3.641 | 4.368 | 5.180 | 6.078 | 7.064 | 8.141 | 4.622         | 2.266  | 2.04 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.634                       | 3.213 | 3.865 | 4.595 | 5.407 | 6.305 | 7.294 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.316                       | 2.837 | 3.425 | 4.086 | 4.825 | 5.649 | 6.566 |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7064<br>114X7198 | W05<br>W09 | MLZ021T4   | E                   | 27        | 3.404                       | 4.124 | 4.928 | 5.824 | 6.815 | 7.905 | 9.099 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.108                       | 3.772 | 4.514 | 5.340 | 6.257 | 7.271 | 8.390 | 4.778         | 2.350  | 2.03 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.729                       | 3.325 | 3.990 | 4.731 | 5.559 | 6.482 | 7.511 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.392                       | 2.930 | 3.529 | 4.199 | 4.952 | 5.798 | 6.754 |               |        |      |      |                         |                                  |
| OP-MSXM046ML | 114X7063<br>114X7197 | W05<br>W09 | MLZ021T5   | G                   | 27        | 3.450                       | 4.182 | 5.004 | 5.917 | 6.922 | 8.018 | 9.203 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.147                       | 3.821 | 4.578 | 5.421 | 6.352 | 7.371 | 8.481 | 4.848         | 2.435  | 1.99 |      | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 2.762                       | 3.365 | 4.043 | 4.800 | 5.640 | 6.567 | 7.586 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.422                       | 2.964 | 3.574 | 4.258 | 5.022 | 5.872 | 6.817 |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code                 | Version    | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |        |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level @ 10m dB(A) |
|--------------|----------------------|------------|------------|---------------------|-----------|-----------------------------|-------|--------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|----------------------------------|
|              |                      |            |            |                     |           | Te [°C]                     |       |        |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                  |
|              |                      |            |            |                     |           | -20°C                       | -15°C | -10°C  | -5°C   | 0°C    | 5°C    | 10°C   |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7065<br>114X7199 | W05<br>W09 | MLZ026T5   | G                   | 27        | 3.973                       | 4.806 | 5.741  | 6.777  | 7.912  | 9.142  | 10.467 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.619                       | 4.382 | 5.238  | 6.189  | 7.234  | 8.373  | 9.609  | 5.571         | 3.291  | 1.69 | 2.90 | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 3.179                       | 3.855 | 4.615  | 5.460  | 6.396  | 7.424  | 8.553  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.795                       | 3.397 | 4.073  | 4.830  | 5.673  | 6.609  | 7.650  |               |        |      |      |                         |                                  |
| OP-MSXM057ML | 114X7066<br>114X7200 | W05<br>W09 | MLZ026T4   | E                   | 27        | 3.977                       | 4.812 | 5.749  | 6.788  | 7.926  | 9.162  | 10.493 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 3.625                       | 4.390 | 5.249  | 6.203  | 7.252  | 8.397  | 9.639  | 5.580         | 3.164  | 1.76 | 3.01 | 69                      | 38                               |
|              |                      |            |            |                     | 38        | 3.189                       | 3.868 | 4.630  | 5.480  | 6.420  | 7.455  | 8.590  |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 2.809                       | 3.414 | 4.094  | 4.855  | 5.703  | 6.645  | 7.693  |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7068<br>114X7202 | W05<br>W09 | MLZ030T4   | E                   | 27        | 5.271                       | 6.443 | 7.784  | 9.300  | 10.998 | 12.880 | 14.945 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.832                       | 5.926 | 7.177  | 8.594  | 10.185 | 11.954 | 13.907 | 7.566         | 3.279  | 2.31 | 3.73 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.284                       | 5.279 | 6.418  | 7.711  | 9.170  | 10.803 | 12.618 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.809                       | 4.717 | 5.758  | 6.945  | 8.291  | 9.806  | 11.506 |               |        |      |      |                         |                                  |
| OP-MSXM068ML | 114X7067<br>114X7201 | W05<br>W09 | MLZ030T5   | G                   | 27        | 5.273                       | 6.446 | 7.786  | 9.302  | 10.997 | 12.876 | 14.938 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 4.832                       | 5.927 | 7.178  | 8.594  | 10.182 | 11.949 | 13.898 | 7.568         | 3.353  | 2.26 | 3.66 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.283                       | 5.278 | 6.417  | 7.709  | 9.166  | 10.795 | 12.606 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 3.806                       | 4.714 | 5.755  | 6.941  | 8.284  | 9.797  | 11.492 |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7069<br>114X7203 | W05<br>W09 | MLZ038T5   | G                   | 27        | 6.066                       | 7.469 | 9.041  | 10.768 | 12.634 | 14.626 | 16.730 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.504                       | 6.806 | 8.273  | 9.892  | 11.650 | 13.536 | 15.538 | 8.735         | 4.027  | 2.17 | 3.33 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 4.826                       | 5.992 | 7.319  | 8.797  | 10.415 | 12.164 | 14.039 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 4.268                       | 5.307 | 6.506  | 7.857  | 9.349  | 10.976 | 12.738 |               |        |      |      |                         |                                  |
| OP-MSXM080ML | 114X7070<br>114X7204 | W05<br>W09 | MLZ038T4   | E                   | 27        | 6.238                       | 7.571 | 9.084  | 10.780 | 12.662 | 14.727 | 16.973 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 5.708                       | 6.948 | 8.353  | 9.930  | 11.682 | 13.612 | 15.720 | 8.822         | 3.856  | 2.29 | 3.71 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 5.026                       | 6.146 | 7.415  | 8.842  | 10.434 | 12.197 | 14.137 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 4.423                       | 5.435 | 6.584  | 7.881  | 9.335  | 10.956 | 12.755 |               |        |      |      |                         |                                  |
| OP-MSXM099ML | 114X7071<br>114X7205 | W05<br>W09 | MLZ045T4   | E                   | 27        | 7.288                       | 8.825 | 10.553 | 12.472 | 14.580 | 16.875 | 19.357 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 6.643                       | 8.055 | 9.648  | 11.422 | 13.379 | 15.521 | 17.853 | 10.216        | 5.001  | 2.04 | 3.37 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 5.823                       | 7.082 | 8.508  | 10.106 | 11.880 | 13.836 | 15.989 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 5.100                       | 6.228 | 7.513  | 8.960  | 10.580 | 12.381 | 14.387 |               |        |      |      |                         |                                  |
| OP-MSXM108ML | 114X7072<br>114X7206 | W05<br>W09 | MLZ048T4   | E                   | 27        | 7.856                       | 9.491 | 11.303 | 13.308 | 15.517 | 17.940 | 20.584 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 32        | 7.147                       | 8.653 | 10.321 | 12.168 | 14.209 | 16.459 | 18.932 | 10.943        | 5.478  | 2.00 | 3.31 | 70                      | 39                               |
|              |                      |            |            |                     | 38        | 6.248                       | 7.596 | 9.087  | 10.742 | 12.581 | 14.623 | 16.892 |               |        |      |      |                         |                                  |
|              |                      |            |            |                     | 43        | 5.457                       | 6.671 | 8.012  | 9.504  | 11.172 | 13.041 | 15.144 |               |        |      |      |                         |                                  |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Application | Code     |          | Model        | Compressor Model | Electrical Code (1) | Refrigerant (2) | Condenser Coil |         |                 | Fan    |         | Receiver | Dimensions |         |        |       | Connection |               | Weight       |       |
|-------------|----------|----------|--------------|------------------|---------------------|-----------------|----------------|---------|-----------------|--------|---------|----------|------------|---------|--------|-------|------------|---------------|--------------|-------|
|             |          |          |              |                  |                     |                 | Type           | Airflow | Internal Volume | Number | Blade ø |          | Volume     | Housing | Height | Width | Length     | Suction valve | Liquid valve | Gross |
|             | (m²/h)   | (dm³)    |              |                  |                     |                 |                | (mm)    | (L)             |        |         | mm       |            |         | mm     | mm    | inch       |               |              |       |
| LBP         | 114X7106 | 114X7129 | OP-LSQM014MP | MPT14LA          | G                   | Q               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | B1         | 530     | 910    | 364   | 3/8"       | 3/8"          | 64           | 51    |
| LBP         | 114X7107 | 114X7130 | OP-LSQM018MP | MPT16LA          | G                   | Q               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | B1         | 530     | 910    | 364   | 3/8"       | 3/8"          | 65           | 51    |
| LBP         | 114X7085 | 114X7179 | OP-LSQM026AJ | CAJ2446Z         | G                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 1/2"       | 1/2"          | 77           | 62    |
| LBP         | 114X7086 | 114X7180 | OP-LSQM034AJ | CAJ2464Z         | G                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 1/2"       | 1/2"          | 77           | 62    |
| LBP         | 114X7087 | 114X7181 | OP-LSQM048NT | NTZ048-5         | G                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 5/8"       | 1/2"          | 77           | 62    |
| LBP         | 114X7088 | 114X7182 | OP-LSQM048NT | NTZ048-4         | E                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 5/8"       | 1/2"          | 77           | 62    |
| LBP         | 114X7095 | 114X7185 | OP-LSQM074FH | FH2511Z          | G                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 5/8"       | 1/2"          | 92           | 77    |
| LBP         | 114X7096 | 114X7186 | OP-LSQM074FH | TFH2511Z         | E                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 5/8"       | 1/2"          | 88           | 73    |
| LBP         | 114X7090 | 114X7184 | OP-LSQM068NT | NTZ068-4         | E                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 5/8"       | 1/2"          | 80           | 65    |
| LBP         | 114X7089 | 114X7183 | OP-LSQM068NT | NTZ068-5         | G                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 5/8"       | 1/2"          | 79           | 64    |
| LBP         | 114X7091 | 114X7187 | OP-LSQM067LL | LLZ013T4         | E                   | Q               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | B3         | 825     | 1105   | 464   | 3/4"       | 1/2"          | 97           | 78    |
| LBP         | 114X7092 | 114X7188 | OP-LSQM084LL | LLZ015T4         | E                   | Q               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | B3         | 825     | 1105   | 464   | 3/4"       | 1/2"          | 97           | 78    |
| LBP         | 114X7075 | 114X7189 | OP-LSQM098LL | LLZ018T4         | E                   | Q               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | B3         | 825     | 1105   | 464   | 3/4"       | 1/2"          | 97           | 78    |
| MBP         | 114X7099 | 114X7207 | OP-MSGM012SC | SC12G            | G                   | G               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | B1         | 530     | 910    | 364   | 3/8"       | 3/8"          | 66           | 52    |
| MBP         | 114X7100 | 114X7208 | OP-MSGM015SC | SC15G            | G                   | G               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | B1         | 530     | 910    | 364   | 3/8"       | 3/8"          | 66           | 52    |
| MBP         | 114X7101 | 114X7131 | OP-MSGM018SC | SC18G            | G                   | G               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | B1         | 530     | 910    | 364   | 3/8"       | 3/8"          | 67           | 53    |
| MBP         | 114X7108 | 114X7133 | OP-MSYM009MY | MLY90RAB         | G                   | Y               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | B1         | 530     | 910    | 364   | 3/8"       | 3/8"          | 64           | 50    |
| MBP         | 114X7102 | 114X7132 | OP-MSGM021SC | SC21G            | G                   | G               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | B1         | 530     | 910    | 364   | 3/8"       | 3/8"          | 67           | 53    |
| MBP         | 114X7109 | 114X7134 | OP-MSYM012MP | MPT12RA          | G                   | Y               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | B1         | 530     | 910    | 364   | 3/8"       | 3/8"          | 64           | 51    |
| MBP         | 114X7110 | 114X7135 | OP-MSYM014MP | MPT14RA          | G                   | Y               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | B1         | 530     | 910    | 364   | 3/8"       | 3/8"          | 65           | 52    |
| MBP         | 114X7103 | 114X7209 | OP-MSGM026AJ | CAJ4492Y         | G                   | G               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 1/2"       | 1/2"          | 78           | 63    |
| MBP         | 114X7111 | 114X7136 | OP-MSBM018AJ | CAJ9510Z         | G                   | B               | D7             | 3300    | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 1/2"       | 1/2"          | 77           | 62    |
| MBP         | 114X7104 | 114X7210 | OP-MSGM033AJ | CAJ4511Y         | G                   | G               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 1/2"       | 1/2"          | 79           | 64    |
| MBP         | 114X7097 | 114X7194 | OP-MSBM024AJ | CAJ9513Z         | G                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 1/2"       | 1/2"          | 78           | 63    |
| MBP         | 114X7093 | 114X7192 | OP-MSBM026AJ | TAJ4517Z         | E                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 1/2"       | 1/2"          | 74           | 59    |
| MBP         | 114X7083 | 114X7190 | OP-MSBM026AJ | CAJ4517Z         | G                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 1/2"       | 1/2"          | 78           | 63    |
| MBP         | 114X7094 | 114X7193 | OP-MSBM034AJ | TAJ4519Z         | E                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 1/2"       | 1/2"          | 77           | 62    |
| MBP         | 114X7084 | 114X7191 | OP-MSBM034AJ | CAJ4519Z         | G                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 1/2"       | 1/2"          | 78           | 63    |
| MBP         | 114X7062 | 114X7196 | OP-MSXM034ML | MLZ015T4         | E                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 3/4"       | 1/2"          | 85           | 70    |
| MBP         | 114X7061 | 114X7195 | OP-MSXM034ML | MLZ015T5         | G                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 3/4"       | 1/2"          | 85           | 70    |
| MBP         | 114X7162 | 114X7212 | OP-MSXM044ML | MLZ019T5         | E                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 3/4"       | 1/2"          | 85           | 70    |
| MBP         | 114X7161 | 114X7211 | OP-MSXM044ML | MLZ019T5         | G                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 3/4"       | 1/2"          | 85           | 70    |
| MBP         | 114X7064 | 114X7198 | OP-MSXM046ML | MLZ021T4         | E                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 3/4"       | 1/2"          | 85           | 70    |
| MBP         | 114X7063 | 114X7197 | OP-MSXM046ML | MLZ021T5         | G                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 3/4"       | 1/2"          | 85           | 70    |
| MBP         | 114X7065 | 114X7199 | OP-MSXM057ML | MLZ026T5         | G                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 3/4"       | 1/2"          | 85           | 70    |
| MBP         | 114X7066 | 114X7200 | OP-MSXM057ML | MLZ026T4         | E                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | B2         | 690     | 1079   | 464   | 3/4"       | 1/2"          | 85           | 70    |
| MBP         | 114X7068 | 114X7202 | OP-MSXM068ML | MLZ030T4         | E                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | B3         | 825     | 1105   | 464   | 7/8"       | 1/2"          | 95           | 76    |
| MBP         | 114X7067 | 114X7201 | OP-MSXM068ML | MLZ030T5         | G                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | B3         | 825     | 1105   | 464   | 7/8"       | 1/2"          | 95           | 76    |
| MBP         | 114X7069 | 114X7203 | OP-MSXM080ML | MLZ038T5         | G                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | B3         | 825     | 1105   | 464   | 7/8"       | 1/2"          | 96           | 77    |
| MBP         | 114X7070 | 114X7204 | OP-MSXM080ML | MLZ038T4         | E                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | B3         | 825     | 1105   | 464   | 7/8"       | 1/2"          | 96           | 77    |
| MBP         | 114X7071 | 114X7205 | OP-MSXM099ML | MLZ045T4         | E                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | B3         | 825     | 1105   | 464   | 7/8"       | 1/2"          | 98           | 79    |
| MBP         | 114X7072 | 114X7206 | OP-MSXM108ML | MLZ048T4         | E                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | B3         | 825     | 1105   | 464   | 7/8"       | 1/2"          | 98           | 79    |

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz  
 E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) G - R134a

X - R134a, R404A/R507, R407A, R407F, R449A, R448A, R513A, R452A

Y - R404A/R507, R449A

Q - R404A/R507, R452A

H - R404A/R507

| Designation                  |     | LSQM026AJ  | LSQM034AJ  | LSQM048NT  | LSQM048NT  | LSQM068NT  | LSQM068NT  | LSQM067LL   |
|------------------------------|-----|------------|------------|------------|------------|------------|------------|-------------|
| Code Number                  | W05 | 114X7085   | 114X7086   | 114X7087   | 114X7088   | 114X7089   | 114X7090   | 114X7091    |
|                              | W09 | 114X7179   | 114X7180   | 114X7181   | 114X7182   | 114X7183   | 114X7184   | 114X7187    |
| Compressor Description       |     | CAJ2446Z   | CAJ2464Z   | NTZ048-5   | NTZ048-4   | NTZ068-5   | NTZ068-4   | LLZ013T4    |
| Oil                          |     | RL32HA/HT  | RL32HA/HT  | 175PZ-POE  | 175PZ-POE  | 175PZ-POE  | 175PZ-POE  | 215PZ-POE46 |
| Housing                      |     | B2         | B2         | B2         | B2         | B2         | B2         | B3          |
| Spare Parts                  |     |            |            |            |            |            |            |             |
| Compressor single pack       |     | 118U3992   | 118U3990   | 120F0228   | 120F0226   | 120F0232   | 120F0230   | 121L9535    |
| Condenser                    |     | 118U5218   | 118U5218   | 118U5218   | 118U5218   | 118U5218   | 118U5218   | 118U5219    |
| Dual pressure switch         |     | 060-539766 | 060-539766 | 060-539766 | 060-539766 | 060-539766 | 060-539766 | 060-539766  |
| Fan assembly                 |     | -          | -          | -          | -          | -          | -          | 118U3829    |
| Fan blade                    |     | 118U3481   | 118U3481   | 118U3481   | 118U3481   | 118U3481   | 118U3481   | -           |
| Fan capacitor                |     | 118U3297   | 118U3297   | 118U3297   | 118U3297   | 118U3297   | 118U3297   | -           |
| Fan cowl/grill               |     | 118U3484   | 118U3484   | 118U3484   | 118U3484   | 118U3484   | 118U3484   | 118U3485    |
| Fan motor                    |     | 118U3823   | 118U3823   | 118U3823   | 118U3823   | 118U3823   | 118U3823   | 118U3829    |
| Filter drier                 |     | 023Z5041   | 023Z5041   | 023Z5041   | 023Z5041   | 023Z5041   | 023Z5041   | 023Z5044    |
| Liquid valve                 |     | 118U3761   | 118U3761   | 118U3761   | 118U3761   | 118U3761   | 118U3761   | 118U3761    |
| Receiver                     |     | 118U3475   | 118U3475   | 118U3475   | 118U3475   | 118U3475   | 118U3475   | 118U3476    |
| Sight glass                  |     | 014L0173   | 014L0173   | 014L0173   | 014L0173   | 014L0173   | 014L0173   | 014L0173    |
| Suction valve                |     | 118U3761   | 118U3761   | 118U3764   | 118U3764   | 118U3764   | 118U3764   | 118U3762    |
| Electrical Spare Parts       |     |            |            |            |            |            |            |             |
| Crankcase heater             |     | 120Z0057   | 120Z0057   | 120Z0459   | 120Z0459   | 120Z0459   | 120Z0459   | 120Z5040    |
| Contactor kit                |     | 118U3893   | 118U3894   | 118U3894   | 118U3893   | 118U3867   | 118U3893   | 118U3896    |
| Main switch kit              | W05 | 118U3872   | 118U3976   | 118U3976   | 118U3872   | 118U3869   | 118U3873   | 118U3873    |
|                              | W09 | 118U3851   | 118U3852   | 118U3852   | 118U3853   | 118U3854   | 118U3851   | 118U3852    |
| Isolator switch assembly     | W09 | 118U5117   | 118U5117   | 118U5117   | 118U5117   | 118U5117   | 118U5117   | 118U5120    |
| Overload relay               |     | 118U3876   | 118U3877   | 118U3877   | 118U3978   | 118U3879   | 118U3876   | 118U3877    |
| Run capacitor                |     | 118U5191*  | 118U5192*  | 8173041    | -          | 8173041    | -          | -           |
| Starting capacitor           |     |            |            | 8173001    | -          | 8173001    | -          | -           |
| Starting relay               |     |            |            | 8173022    | -          | 8173022    | -          | -           |
| Sequence phase relay         |     | -          | -          | -          | -          | -          | -          | 118U3882    |
| FSC - XGE Female connection  | W09 | 061H3144   | 061H3144   | 061H3144   | 061H3144   | 061H3144   | 061H3144   | 061H3144    |
| Electrical Characteristics   |     |            |            |            |            |            |            |             |
| Wiring Diagram               | W05 | WD2        | WD2        | WD2        | WD5        | WD2        | WD5        | WD6         |
|                              | W09 | WD11       | WD11       | WD11       | WD10       | WD11       | WD10       | WD12        |
| LRA Compressor [A]           |     | 29         | 40         | 37         | 16         | 53         | 25         | 62          |
| MCC Compressor [A]           |     | 7.9        | 10         | 11         | 4.8        | 17         | 8.4        | 12          |
| Max cont.power [kW]          |     | 1.4        | 1.87       | 2.19       | 2.28       | 3.62       | 3.57       | 4.59        |
| MCC Fan [A]                  |     | 0.47       | 0.47       | 0.47       | 0.47       | 0.47       | 0.47       | 0.97        |
| Fan Power [W]                |     | 1x68       | 1x68       | 1x68       | 1x68       | 1x68       | 1x68       | 1x130       |
| Min Fuse rating gL/gG (A)    |     | 10         | 16         | 16         | 10         | 25         | 16         | 16          |
| Accessories (Not Premounted) |     |            |            |            |            |            |            |             |
| Acoustic hood                |     |            |            | 120Z0575   | 120Z0575   | 120Z0575   | 120Z0575   | 120Z5052    |
| FSC Female connection        |     | 061H3140   | 061H3140   | 061H3140   | 061H3140   | 061H3140   | 061H3140   | 061H3140    |
| Discharge Gas thermostat     |     | 7750009    | 7750009    | 7750009    | 7750009    | 7750009    | 7750009    | 7750009     |
| Fusible plug                 |     | 118U5170   | 118U5170   | 118U5170   | 118U5170   | 118U5170   | 118U5170   | 118U5170    |
| Sheet Metal                  |     |            |            |            |            |            |            |             |
| Top panel                    |     | 118U5146   | 118U5146   | 118U5146   | 118U5146   | 118U5146   | 118U5146   | 118U5151    |
| Fan panel                    |     | 118U5147   | 118U5147   | 118U5147   | 118U5147   | 118U5147   | 118U5147   | 118U5152    |
| Back panel                   |     | 118U5148   | 118U5148   | 118U5148   | 118U5148   | 118U5148   | 118U5148   | 118U5153    |
| Left side panel              |     | 118U5168   | 118U5168   | 118U5168   | 118U5168   | 118U5168   | 118U5168   | 118U5169    |
| Service panel                | W05 | 118U5149   | 118U5149   | 118U5149   | 118U5149   | 118U5149   | 118U5149   | 118U5154    |
|                              | W09 | 118U5157   | 118U5157   | 118U5157   | 118U5157   | 118U5157   | 118U5157   | 118U5158    |

MCC - Max Continuous Current  
LRA - Locked Rotor Amps  
XGE - FSC, Fan Speed Controller  
\* - Spare part, Starting Kit

| Designation                         |     | LSQM084LL   | LSQM098LL   | LSQM074FH  | LSQM074FH  | LSQM014MP  | LSQM018MP  |
|-------------------------------------|-----|-------------|-------------|------------|------------|------------|------------|
| Code Number                         | W05 | 114X7092    | 114X7075    | 114X7095   | 114X7096   | 114X7106   | 114X7107   |
|                                     | W09 | 114X7188    | 114X7189    | 114X7185   | 114X7186   | 114X7129   | 114X7130   |
| Compressor Description              |     | LLZ015T4    | LLZ018T4    | FH2511Z    | TFH2511Z   | MPT14LA    | MPT16LA    |
| Oil                                 |     | 215PZ-POE46 | 215PZ-POE46 | RL32HA/HT  | RL32HA/HT  | POE32      | POE32      |
| Housing                             |     | B3          | B3          | B2         | B2         | B1         | B1         |
| <b>Spare Parts</b>                  |     |             |             |            |            |            |            |
| Compressor single pack              |     | 121L9537    | 121L9539    | 118U3914   | 118U3915   | 123B2126   | 123B2127   |
| Condenser                           |     | 118U5219    | 118U5219    | 118U5218   | 118U5218   | 118U5217   | 118U5217   |
| Dual pressure switch                |     | 060-539766  | 060-539766  | 060-539766 | 060-539766 | 060-539766 | 060-539766 |
| Fan assembly                        |     | 118U3829    | 118U3829    | -          | -          | -          | -          |
| Fan blade                           |     | -           | -           | 118U3481   | 118U3481   | 118U3480   | 118U3480   |
| Fan capacitor                       |     | -           | -           | 118U3297   | 118U3297   | 118U3296   | 118U3296   |
| Fan cowl/grill                      |     | 118U3485    | 118U3485    | 118U3484   | 118U3484   | 118U3483   | 118U3483   |
| Fan motor                           |     | 118U3829    | 118U3829    | 118U3823   | 118U3823   | 118U3477   | 118U3477   |
| Filter drier                        |     | 023Z5044    | 023Z5044    | 023Z5041   | 023Z5041   | 023Z5040   | 023Z5040   |
| Liquid valve                        |     | 118U3761    | 118U3761    | 118U3761   | 118U3761   | 118U3414   | 118U3414   |
| Receiver                            |     | 118U3476    | 118U3476    | 118U3475   | 118U3475   | 118U3474   | 118U3474   |
| Sight glass                         |     | 014L0173    | 014L0173    | 014L0173   | 014L0173   | 014L0182   | 014L0182   |
| Suction valve                       |     | 118U3762    | 118U3762    | 118U3764   | 118U3764   | 118U3414   | 118U3414   |
| <b>Electrical Spare Parts</b>       |     |             |             |            |            |            |            |
| Crankcase heater                    |     | 120Z5040    | 120Z5040    | 120Z0459   | 120Z0459   | 118U0051   | 118U0051   |
| Contactor kit                       |     | 118U3896    | 118U3896    | 118U3867   | 118U3893   | 118U3893   | 118U3893   |
| Main switch kit                     | W05 | 118U3874    | 118U3874    | 118U3870   | 118U3872   | 118U3975   | 118U3975   |
|                                     | W09 | 118U3852    | 118U3852    | 118U3855   | 118U3851   | 118U3853   | 118U3853   |
| Isolator switch assembly            |     | W09         | 118U5120    | 118U5117   | 118U5117   | 118U5117   | 118U5117   |
| Overload relay                      |     | 118U3878    | 118U3878    | 118U3880   | 118U3876   | 118U3978   | 118U3978   |
| Run capacitor                       |     | -           | -           | 118U5199*  | -          | 123B9222   | 123B9219   |
| Starting capacitor                  |     | -           | -           |            | -          | 123B9312   | 123B9316   |
| Starting relay                      |     | -           | -           |            | -          | 123B9151   | 123B9151   |
| Sequence phase relay                |     | 118U3882    | 118U3882    | -          | -          | -          | -          |
| FSC - XGE Female connection         | W09 | 061H3144    | 061H3144    | 061H3144   | 061H3144   | 061H3144   | 061H3144   |
|                                     |     |             |             |            |            |            |            |
| <b>Electrical Characteristics</b>   |     |             |             |            |            |            |            |
| Wiring Diagram                      | W05 | WD6         | WD6         | WD2        | WD5        | WD7        | WD7        |
|                                     | W09 | WD12        | WD12        | WD11       | WD10       | WD8        | WD8        |
| LRA Compressor [A]                  |     | 88.5        | 90          | 81         | 28         | 16         | 19         |
| MCC Compressor [A]                  |     | 15          | 14.4        | 24         | 7.2        | 5          | 4          |
| Max cont.power [kW]                 |     | 5.49        | 6.2         | 3.45       | 3.34       | 0.78       | 0.89       |
| MCC Fan [A]                         |     | 0.97        | 0.97        | 0.47       | 0.47       | 0.32       | 0.32       |
| Fan Power [W]                       |     | 1x130       | 1x130       | 1x68       | 1x68       | 1x25       | 1x25       |
| Min Fuse rating gL/gG (A)           |     | 20          | 20          | 32         | 10         | 10         | 10         |
| <b>Accessories (Not Premounted)</b> |     |             |             |            |            |            |            |
| Acoustic hood                       |     | 120Z5052    | 120Z5052    | -          | -          | -          | -          |
| FSC Female connection               |     | 061H3140    | 061H3140    | 061H3140   | 061H3140   | 061H3140   | 061H3140   |
| Discharge Gas thermostat            |     | 7750009     | 7750009     | 7750009    | 7750009    | 7750009    | 7750009    |
| Fusible plug                        |     | 118U5170    | 118U5170    | 118U5170   | 118U5170   | 118U5170   | 118U5170   |
| <b>Sheet Metal</b>                  |     |             |             |            |            |            |            |
| Top panel                           |     | 118U5151    | 118U5151    | 118U5146   | 118U5146   | 118U5141   | 118U5141   |
| Fan panel                           |     | 118U5152    | 118U5152    | 118U5147   | 118U5147   | 118U5142   | 118U5142   |
| Back panel                          |     | 118U5153    | 118U5153    | 118U5148   | 118U5148   | 118U5143   | 118U5143   |
| Left side panel                     |     | 118U5169    | 118U5169    | 118U5168   | 118U5168   | 118U5167   | 118U5167   |
| Service panel                       | W05 | 118U5154    | 118U5154    | 118U5149   | 118U5149   | 118U5144   | 118U5144   |
|                                     | W09 | 118U5158    | 118U5158    | 118U5157   | 118U5157   | 118U5156   | 118U5156   |

MCC - Max Continuous Current  
LRA - Locked Rotor Amps  
XGE - FSC, Fan Speed Controller  
\* - Spare part, Starting Kit



| Designation                         |     | MSXM034ML   | MSXM034ML   | MSXM044ML   | MSXM044ML   | MSXM046ML   | MSXM046ML   | MSXM057ML   | MSXM057ML   | MSXM068ML   |
|-------------------------------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Code Number                         | W05 | 114X7061    | 114X7062    | 114X7161    | 114X7162    | 114X7063    | 114X7064    | 114X7065    | 114X7066    | 114X7067    |
|                                     | W09 | 114X7195    | 114X7196    | 114X7211    | 114X7212    | 114X7197    | 114X7198    | 114X7199    | 114X7200    | 114X7201    |
| Compressor Description              |     | 118U3867    | MLZ015T4    | MLZ019T5    | MLZ019T4    | MLZ021T5    | MLZ021T4    | MLZ026T5    | MLZ026T4    | MLZ030T5    |
| Oil                                 |     | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 |
| Housing                             |     | B2          | B2          | B2          | B2          | B2          | B2          | B2          | B2          | B3          |
| <b>Spare Parts</b>                  |     |             |             |             |             |             |             |             |             |             |
| Compressor single pack              |     | 121L8631    | 120U8725    | 121U8731    | 120U8725    | 121L8635    | 121L8633    | 121L8639    | 121L8637    | 121L8643    |
| Condenser                           |     | 118U5218    | 118U5218    | 118U5218    | 118U5218    | 118U5218    | 118U5218    | 118U5218    | 118U5218    | 118U5219    |
| Dual pressure switch                |     | 060-539766  | 060-539766  | 060-539766  | 060-539766  | 060-539766  | 060-539766  | 060-539766  | 060-539766  | 060-539766  |
| Fan assembly                        |     | -           | -           | -           | -           | -           | -           | -           | -           | 118U3829    |
| Fan blade                           |     | 118U3481    | 118U3481    | 118U3481    | 118U3481    | 118U3481    | 118U3481    | 118U3481    | 118U3481    | -           |
| Fan capacitor                       |     | 118U3297    | 118U3297    | 118U3297    | 118U3297    | 118U3297    | 118U3297    | 118U3297    | 118U3297    | -           |
| Fan cowl/grill                      |     | 118U3484    | 118U3484    | 118U3484    | 118U3484    | 118U3484    | 118U3484    | 118U3484    | 118U3484    | 118U3485    |
| Fan motor                           |     | 118U3823    | 118U3823    | 118U3823    | 118U3823    | 118U3823    | 118U3823    | 118U3823    | 118U3823    | 118U3829    |
| Filter drier                        |     | 023Z5041    | 023Z5041    | 023Z5041    | 023Z5041    | 023Z5041    | 023Z5041    | 023Z5041    | 023Z5041    | 023Z5044    |
| Liquid valve                        |     | 118U3761    | 118U3761    | 118U3761    | 118U3761    | 118U3761    | 118U3761    | 118U3761    | 118U3761    | 118U3761    |
| Receiver                            |     | 118U3475    | 118U3475    | 118U3475    | 118U3475    | 118U3475    | 118U3475    | 118U3475    | 118U3475    | 118U3476    |
| Sight glass                         |     | 014L0173    | 014L0173    | 014L0173    | 014L0173    | 014L0173    | 014L0173    | 014L0173    | 014L0173    | 014L0173    |
| Suction valve                       |     | 118U3762    | 118U3762    | 118U3762    | 118U3762    | 118U3762    | 118U3762    | 118U3762    | 118U3762    | 118U3763    |
| <b>Electrical Spare Parts</b>       |     |             |             |             |             |             |             |             |             |             |
| Crankcase heater                    |     | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    |
| Contactor kit                       |     | 118U3867    | 118U3893    | 118U3867    | 118U3894    | 118U3867    | 118U3894    | 118U3895    | 118U3894    | 118U3895    |
| Main switch kit                     | W05 | 118U3869    | 118U3872    | 118U3870    | 118U3873    | 118U3870    | 118U3873    | 118U3870    | 118U3873    | 118U3871    |
|                                     | W09 | 118U3854    | 118U3851    | 118U3855    | 118U3851    | 118U3856    | 118U3851    | 118U3856    | 118U3852    | 118U3857    |
| Isolator switch assembly            |     | W09         | 118U5117    | 118U5117    | 118U5117    | 118U5117    | 118U5117    | 118U5117    | 118U5117    | 118U5119    |
| Overload relay                      |     | 118U3879    | 118U3875    | 118U3880    | 118U3876    | 118U3880    | 118U3876    | 118U3880    | 118U3877    | 118U3880    |
| Run capacitor                       |     | 8173231     | -           | 120Z0051    | -           | 120Z0051    | -           | 120Z0051    | -           | 8173233     |
| Starting capacitor                  |     | 120Z0399    | -           | 120Z0399    | -           | 120Z0399    | -           | 120Z0399    | -           | 120Z0400    |
| Starting relay                      |     | 120Z0393    | -           | 120Z0393    | -           | 120Z0393    | -           | 120Z0393    | -           | 120Z0394    |
| Sequence phase relay                |     | 118U3882    | 118U3882    | 118U3882    | 118U3882    | 118U3882    | 118U3882    | 118U3882    | 118U3882    | 118U3882    |
| FSC - XGE Female connection         |     | W09         | 061H3144    | 061H3144    | 061H3144    | 061H3144    | 061H3144    | 061H3144    | 061H3144    | 061H3144    |
| <b>Electrical Characteristics</b>   |     |             |             |             |             |             |             |             |             |             |
| Wiring Diagram                      | W05 | WD2         | WD5         | WD2         | WD5         | WD2         | WD5         | WD2         | WD5         | WD3         |
|                                     | W09 | WD11        | WD10        | WD11        | WD10        | WD11        | WD10        | WD11        | WD10        | WD13        |
| LRA Compressor [A]                  |     | 60          | 30          | 97          | 45          | 97          | 45          | 97          | 45          | 127         |
| MCC Compressor [A]                  |     | 19          | 7           | 23          | 9.5         | 25          | 9.5         | 26          | 10          | 32          |
| Max cont.power [kW]                 |     | 2.53        | 2.73        | 3.38        | 3.33        | 3.38        | 3.33        | 4.42        | 4.14        | 4.89        |
| MCC Fan [A]                         |     | 0.47        | 0.47        | 0.47        | 0.47        | 0.47        | 0.47        | 0.47        | 0.47        | 0.97        |
| Fan Power [W]                       |     | 1x68        | 1x68        | 1x68        | 1x68        | 1x68        | 1x68        | 1x68        | 1x68        | 1x130       |
| Min Fuse rating gL/gG (A)           |     | 25          | 10          | 32          | 16          | 32          | 16          | 32          | 16          | 40          |
| <b>Accessories (Not Premounted)</b> |     |             |             |             |             |             |             |             |             |             |
| Acoustic hood                       |     | 120Z5043    | 120Z5043    | 120Z5043    | 120Z5043    | 120Z5043    | 120Z5043    | 120Z5043    | 120Z5043    | 120Z5044    |
| FSC Female connection               |     | 061H3140    | 061H3140    | 061H3140    | 061H3140    | 061H3140    | 061H3140    | 061H3140    | 061H3140    | 061H3140    |
| Discharge Gas thermostat            |     | 7750009     | 7750009     | 7750009     | 7750009     | 7750009     | 7750009     | 7750009     | 7750009     | 7750009     |
| Fusible plug                        |     | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    |
| <b>Sheet Metal</b>                  |     |             |             |             |             |             |             |             |             |             |
| Top panel                           |     | 118U5146    | 118U5146    | 118U5146    | 118U5146    | 118U5146    | 118U5146    | 118U5146    | 118U5146    | 118U5151    |
| Fan panel                           |     | 118U5147    | 118U5147    | 118U5147    | 118U5147    | 118U5147    | 118U5147    | 118U5147    | 118U5147    | 118U5152    |
| Back panel                          |     | 118U5148    | 118U5148    | 118U5148    | 118U5148    | 118U5148    | 118U5148    | 118U5148    | 118U5148    | 118U5153    |
| Left side panel                     |     | 118U5168    | 118U5168    | 118U5168    | 118U5168    | 118U5168    | 118U5168    | 118U5168    | 118U5168    | 118U5169    |
| Service panel                       | W05 | 118U5149    | 118U5149    | 118U5149    | 118U5149    | 118U5149    | 118U5149    | 118U5149    | 118U5149    | 118U5154    |
|                                     | W09 | 118U5157    | 118U5157    | 118U5157    | 118U5157    | 118U5157    | 118U5157    | 118U5157    | 118U5157    | 118U5158    |

MCC - Max Continuous Current  
LRA - Locked Rotor Amps  
XGE - FSC, Fan Speed Controller  
\* - Spare part, Starting Kit

| Designation                         |     | MSXM068ML   | MSXM080ML   | MSXM080ML   | MSXM099ML   | MSXM108ML   | MSBM026AJ  | MSBM034AJ  | MSBM026AJ  | MSBM034AJ  | MSBM024AJ  |
|-------------------------------------|-----|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|
| Code Number                         | W05 | 114X7068    | 114X7069    | 114X7070    | 114X7071    | 114X7072    | 114X7083   | 114X7084   | 114X7093   | 114X7094   | 114X7097   |
|                                     | W09 | 114X7202    | 114X7203    | 114X7204    | 114X7205    | 114X7206    | 114X7190   | 114X7191   | 114X7192   | 114X7193   | 114X7194   |
| Compressor Description              |     | MLZ030T4    | MLZ038T5    | MLZ038T4    | MLZ045T4    | MLZ048T4    | CAJ4517Z   | CAJ4519Z   | TAJ4517Z   | TAJ4519Z   | CAJ9513Z   |
| Oil                                 |     | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | RL32HA/HT  | RL32HA/HT  | RL32HA/HT  | RL32HA/HT  | RL32HA/HT  |
| Housing                             |     | B3          | B3          | B3          | B3          | B3          | B2         | B2         | B2         | B2         | B2         |
| <b>Spare Parts</b>                  |     |             |             |             |             |             |            |            |            |            |            |
| Compressor single pack              |     | 121L8641    | 121L8647    | 121L8645    | 121L8649    | 121L8651    | 118U3993   | 118U3994   | 118U3991   | 118U3989   | 118U3995   |
| Condenser                           |     | 118U5219    | 118U5219    | 118U5219    | 118U5219    | 118U5219    | 118U5218   | 118U5218   | 118U5218   | 118U5218   | 118U5218   |
| Dual pressure switch                |     | 060-539766  | 060-539766  | 060-539766  | 060-539766  | 060-539766  | 060-539766 | 060-539766 | 060-539766 | 060-539766 | 060-539766 |
| Fan assembly                        |     | 118U3829    | 118U3829    | 118U3829    | 118U3829    | 118U3829    | -          | -          | -          | -          | -          |
| Fan blade                           |     | -           | -           | -           | -           | -           | 118U3481   | 118U3481   | 118U3481   | 118U3481   | 118U3481   |
| Fan capacitor                       |     | -           | -           | -           | -           | -           | 118U3297   | 118U3297   | 118U3297   | 118U3297   | 118U3297   |
| Fan cowl/grill                      |     | 118U3485    | 118U3485    | 118U3485    | 118U3485    | 118U3485    | 118U3484   | 118U3484   | 118U3484   | 118U3484   | 118U3484   |
| Fan motor                           |     | 118U3829    | 118U3829    | 118U3829    | 118U3829    | 118U3829    | 118U3823   | 118U3823   | 118U3823   | 118U3823   | 118U3823   |
| Filter drier                        |     | 023Z5044    | 023Z5044    | 023Z5044    | 023Z5044    | 023Z5044    | 023Z5041   | 023Z5041   | 023Z5041   | 023Z5041   | 023Z5041   |
| Liquid valve                        |     | 118U3761    | 118U3761    | 118U3761    | 118U3761    | 118U3761    | 118U3761   | 118U3761   | 118U3761   | 118U3761   | 118U3761   |
| Receiver                            |     | 118U3476    | 118U3476    | 118U3476    | 118U3476    | 118U3476    | 118U3475   | 118U3475   | 118U3475   | 118U3475   | 118U3475   |
| Sight glass                         |     | 014L0173    | 014L0173    | 014L0173    | 014L0173    | 014L0173    | 014L0173   | 014L0173   | 014L0173   | 014L0173   | 014L0173   |
| Suction valve                       |     | 118U3763    | 118U3763    | 118U3763    | 118U3763    | 118U3763    | 118U3761   | 118U3761   | 118U3761   | 118U3761   | 118U3761   |
| <b>Electrical Spare Parts</b>       |     |             |             |             |             |             |            |            |            |            |            |
| Crankcase heater                    |     | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 118U0051   | 118U0051   | 118U0051   | 118U0051   | 120Z0057   |
| Contact kit                         |     | 118U3896    | 118U3868    | 118U3896    | 118U3896    | 118U3896    | 118U3896   | 118U3896   | 118U3893   | 118U3893   | 118U3894   |
| Main switch kit                     | W05 | 118U3873    | 118U3871    | 118U3874    | 118U3874    | 118U3874    | 118U3976   | 118U3976   | 118U3872   | 118U3872   | 118U3976   |
|                                     | W09 | 118U3852    | 118U3857    | 118U3852    | 118U3852    | 118U3854    | 118U3852   | 118U3852   | 118U3853   | 118U3853   | 118U3852   |
| Isolator switch assembly            | W09 | 118U5120    | 118U5119    | 118U5120    | 118U5120    | 118U5120    | 118U5117   | 118U5117   | 118U5117   | 118U5117   | 118U5117   |
| Overload relay                      |     | 118U3877    | 118U3881    | 118U3878    | 118U3878    | 118U3878    | 118U3877   | 118U3878   | 118U3978   | 118U3978   | 118U3877   |
| Run capacitor                       |     | -           | 8173234     | -           | -           | -           | -          | -          | -          | -          | -          |
| Starting capacitor                  |     | -           | 8173001     | -           | -           | -           | 118U5195*  | 118U5196*  | -          | -          | 118U5198*  |
| Starting relay                      |     | -           | 120Z0395    | -           | -           | -           | -          | -          | -          | -          | -          |
| Sequence phase relay                |     | 118U3882    | 118U3882    | 118U3882    | 118U3882    | 118U3882    | -          | -          | -          | -          | -          |
| FSC - XGE Female connection         | W09 | 061H3144    | 061H3144    | 061H3144    | 061H3144    | 061H3144    | 061H3144   | 061H3144   | 061H3144   | 061H3144   | 061H3144   |
| <b>Electrical Characteristics</b>   |     |             |             |             |             |             |            |            |            |            |            |
| Wiring Diagram                      | W05 | WD6         | WD4         | WD6         | WD6         | WD6         | WD2        | WD2        | WD4        | WD4        | WD2        |
|                                     | W09 | WD12        | WD13        | WD12        | WD12        | WD12        | WD11       | WD11       | WD10       | WD10       | WD11       |
| LRA Compressor [A]                  |     | 60          | 130         | 70          | 82          | 87          | 38.5       | 45         | 18         | 22         | 33.5       |
| MCC Compressor [A]                  |     | 13          | 38          | 15          | 15          | 16          | 12.7       | 15.2       | 4          | 4.8        | 10.2       |
| Max cont.power [kW]                 |     | 4.88        | 5.77        | 5.78        | 7.01        | 7.55        | 2          | 2.74       | 2.09       | 2.7        | 1.75       |
| MCC Fan [A]                         |     | 0.97        | 0.97        | 0.97        | 0.97        | 0.97        | 0.47       | 0.47       | 0.47       | 0.47       | 0.47       |
| Fan Power [W]                       |     | 1x130       | 1x130       | 1x130       | 1x130       | 1x130       | 1x68       | 1x68       | 1x68       | 1x68       | 1x68       |
| Min Fuse rating gL/gG (A)           |     | 16          | 40          | 20          | 20          | 20          | 16         | 16         | 10         | 10         | 16         |
| <b>Accessories (Not Premounted)</b> |     |             |             |             |             |             |            |            |            |            |            |
| Acoustic hood                       |     | 120Z5044    | 120Z5044    | 120Z5044    | 120Z5044    | 120Z5044    | -          | -          | -          | -          | -          |
| FSC Female connection               |     | 061H3140    | 061H3140    | 061H3140    | 061H3140    | 061H3140    | 061H3140   | 061H3140   | 061H3140   | 061H3140   | 061H3140   |
| Discharge Gas thermostat            |     | 7750009     | 7750009     | 7750009     | 7750009     | 7750009     | 7750009    | 7750009    | 7750009    | 7750009    | 7750009    |
| Fusible plug                        |     | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170   | 118U5170   | 118U5170   | 118U5170   | 118U5170   |
| <b>Sheet Metal</b>                  |     |             |             |             |             |             |            |            |            |            |            |
| Top panel                           |     | 118U5151    | 118U5151    | 118U5151    | 118U5151    | 118U5151    | 118U5146   | 118U5146   | 118U5146   | 118U5146   | 118U5146   |
| Fan panel                           |     | 118U5152    | 118U5152    | 118U5152    | 118U5152    | 118U5152    | 118U5147   | 118U5147   | 118U5147   | 118U5147   | 118U5147   |
| Back panel                          |     | 118U5153    | 118U5153    | 118U5153    | 118U5153    | 118U5153    | 118U5148   | 118U5148   | 118U5148   | 118U5148   | 118U5148   |
| Left side panel                     |     | 118U5169    | 118U5169    | 118U5169    | 118U5169    | 118U5169    | 118U5168   | 118U5168   | 118U5168   | 118U5168   | 118U5168   |
| Service panel                       | W05 | 118U5154    | 118U5154    | 118U5154    | 118U5154    | 118U5154    | 118U5149   | 118U5149   | 118U5149   | 118U5149   | 118U5149   |
|                                     | W09 | 118U5158    | 118U5158    | 118U5158    | 118U5158    | 118U5158    | 118U5157   | 118U5157   | 118U5157   | 118U5157   | 118U5157   |

MCC - Max Continuous Current

LRA - Locked Rotor Amps

XGE - FSC, Fan Speed Controller

\* - Spare part, Starting Kit

| Designation                         |     | MSGM012SC  | MSGM015SC  | MSGM018SC  | MSGM021SC  | MSGM026AJ  | MSGM033AJ  | MSYM009MY  | MSYM012MP  | MSYM014MP  | MSBM018AJ  |
|-------------------------------------|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Code Number                         | W05 | 114X7099   | 114X7100   | 114X7101   | 114X7102   | 114X7103   | 114X7104   | 114X7108   | 114X7109   | 114X7110   | 114X7111   |
|                                     | W09 | 114X7207   | 114X7208   | 114X7131   | 114X7132   | 114X7209   | 114X7210   | 114X7133   | 114X7134   | 114X7135   | 114X7136   |
| Compressor Description              |     | SC12G      | SC15G      | SC18G      | SC21G      | CAJ4492Y   | CAJ4511Y   | MLY90RAb   | MPT12RA    | MPT14RA    | CAJ9510Z   |
| Oil                                 |     | POE        | POE        | POE        | POE        | RL32HA/HT  | RL32HA/HT  | POE32      | POE32      | POE32      | RL32HA/HT  |
| Housing                             |     | B1         | B1         | B1         | B1         | B2         | B2         | B1         | B1         | B1         | B2         |
| <b>Spare Parts</b>                  |     |            |            |            |            |            |            |            |            |            |            |
| Compressor single pack              |     | 195B0050   | 195B0053   | 195B0059   | 195B0636   | 118U3997   | 118U3996   | 123B2514   | 123B2518   | 123B2704   | 118U3988   |
| Condenser                           |     | 118U5217   | 118U5217   | 118U5217   | 118U5217   | 118U5218   | 118U5218   | 118U5217   | 118U5217   | 118U5217   | 118U5218   |
| Dual pressure switch                |     | 060-539766 | 060-539766 | 060-539766 | 060-539766 | 060-539766 | 060-539766 | 060-539766 | 060-539766 | 060-539766 | 060-539766 |
| Fan assembly                        |     | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          |
| Fan blade                           |     | 118U3480   | 118U3480   | 118U3480   | 118U3480   | 118U3481   | 118U3481   | 118U3480   | 118U3480   | 118U3480   | 118U3481   |
| Fan capacitor                       |     | 118U3296   | 118U3296   | 118U3296   | 118U3296   | 118U3297   | 118U3297   | 118U3296   | 118U3296   | 118U3296   | 118U3297   |
| Fan cowl/grill                      |     | 118U3483   | 118U3483   | 118U3483   | 118U3483   | 118U3484   | 118U3484   | 118U3483   | 118U3483   | 118U3483   | 118U3484   |
| Fan motor                           |     | 118U3477   | 118U3477   | 118U3477   | 118U3477   | 118U3823   | 118U3823   | 118U3477   | 118U3477   | 118U3477   | 118U3823   |
| Filter drier                        |     | 023Z5040   | 023Z5040   | 023Z5040   | 023Z5040   | 023Z5041   | 023Z5041   | 023Z5040   | 023Z5040   | 023Z5040   | 023Z5041   |
| Liquid valve                        |     | 118U3414   | 118U3414   | 118U3414   | 118U3414   | 118U3761   | 118U3761   | 118U3414   | 118U3414   | 118U3414   | 118U3761   |
| Receiver                            |     | 118U3474   | 118U3474   | 118U3474   | 118U3474   | 118U3475   | 118U3475   | 118U3474   | 118U3474   | 118U3474   | 118U3475   |
| Sight glass                         |     | 014L0182   | 014L0182   | 014L0182   | 014L0182   | 014L0173   | 014L0173   | 014L0182   | 014L0182   | 014L0182   | 014L0173   |
| Suction valve                       |     | 118U3414   | 118U3414   | 118U3414   | 118U3414   | 118U3761   | 118U3761   | 118U3414   | 118U3414   | 118U3414   | 118U3761   |
| <b>Electrical Spare Parts</b>       |     |            |            |            |            |            |            |            |            |            |            |
| Crankcase heater                    |     | 118U0051   | 118U0051   | 118U0051   | 118U0051   | 120Z0459   | 120Z0459   | 118U0051   | 118U0051   | 118U0051   | 118U3761   |
| Contactor kit                       |     | 118U3893   | 118U3893   | 118U3893   | 118U3893   | 118U3894   | 118U3894   | 118U3893   | 118U3893   | 118U3893   | 118U3894   |
| Main switch kit                     | W05 | 118U3980   | 118U3980   | 118U3980   | 118U3980   | 118U3872   | 118U3872   | 118U3980   | 118U3975   | 118U3975   | 118U3975   |
|                                     | W09 | 118U5162   | 118U3853   | 118U3853   | 118U3853   | 118U3851   | 118U3851   | 118U3853   | 118U3853   | 118U3851   | 118U3851   |
| Isolator switch assembly            |     | W09        | 118U5117   | 118U5117   | 118U5117   | 118U5117   | 118U5117   | 118U5117   | 118U5117   | 118U5117   | 118U5117   |
| Overload relay                      |     | 118U3979   | 118U3979   | 118U3978   | 118U3978   | 118U3876   | 118U3876   | 118U3978   | 118U3876   | 118U3876   | 118U3876   |
| Run capacitor                       |     | -          | -          | -          | -          | -          | -          | 123B9222   | 123B9215   | 123B9226   | -          |
| Starting capacitor                  |     | 117U5017   | 117U5017   | 117U5017   | 117-7029*  | 118U5193*  | 118U5194*  | 123B9315   | 123B9315   | 123B9315   | 118U5197*  |
| Starting relay                      |     | 117U6003   | 117U6005   | 117U6019   | -          | -          | -          | 123B9133   | 123B9151   | 123B9139   | -          |
| Sequence phase relay                |     | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          |
| FSC - XGE Female connection         |     | W09        | 061H3144   | 061H3144   | 061H3144   | 061H3144   | 061H3144   | 061H3144   | 061H3144   | 061H3144   | 061H3144   |
| <b>Electrical Characteristics</b>   |     |            |            |            |            |            |            |            |            |            |            |
| Wiring Diagram                      | W05 | WD1        | WD1        | WD1        | WD7        | WD1        | WD2        | WD7        | WD7        | WD7        | WD2        |
|                                     | W09 | WD9        | WD9        | WD8        | WD8        | WD9        | WD11       | WD8        | WD8        | WD8        | WD8        |
| LRA Compressor [A]                  |     | 12.4       | 14.8       | 18.6       | 21.8       | 28         | 30         | 17         | 18.5       | 21         | 30         |
| MCC Compressor [A]                  |     | 3.17       | 3.88       | 4.34       | 4.6        | 8.9        | 8.6        | 5.3        | 5.3        | 6.5        | 8          |
| Max cont.power [kW]                 |     | 0.812      | 0.819      | 0.945      | 0.936      | 1.43       | 1.69       | 0.62       | 0.84       | 1.03       | 1.3        |
| MCC Fan [A]                         |     | 0.32       | 0.32       | 0.32       | 0.32       | 0.47       | 0.47       | 0.32       | 0.32       | 0.32       | 0.47       |
| Fan Power [W]                       |     | 1x25       | 1x25       | 1x25       | 1x25       | 1x68       | 1x68       | 1x25       | 1x25       | 1x25       | 1x68       |
| Min Fuse rating gL/gG (A)           |     | 10         | 10         | 10         | 10         | 16         | 16         | 10         | 10         | 10         | 10         |
| <b>Accessories (Not Premounted)</b> |     |            |            |            |            |            |            |            |            |            |            |
| Acoustic hood                       |     | -          | -          | -          | -          | -          | -          | -          | -          | -          | -          |
| FSC Female connection               |     | 061H3140   | 061H3140   | 061H3140   | 061H3140   | 061H3140   | 061H3140   | 061H3140   | 061H3140   | 061H3140   | 061H3140   |
| Discharge Gas thermostat            |     | 7750009    | 7750009    | 7750009    | 7750009    | 7750009    | 7750009    | 7750009    | 7750009    | 7750009    | 7750009    |
| Fusible plug                        |     | 118U5170   | 118U5170   | 118U5170   | 118U5170   | 118U5170   | 118U5170   | 118U5170   | 118U5170   | 118U5170   | 118U5170   |
| <b>Sheet Metal</b>                  |     |            |            |            |            |            |            |            |            |            |            |
| Top panel                           |     | 118U5141   | 118U5141   | 118U5141   | 118U5141   | 118U5146   | 118U5146   | 118U5141   | 118U5141   | 118U5141   | 118U5146   |
| Fan panel                           |     | 118U5142   | 118U5142   | 118U5142   | 118U5142   | 118U5147   | 118U5147   | 118U5142   | 118U5142   | 118U5142   | 118U5147   |
| Back panel                          |     | 118U5143   | 118U5143   | 118U5143   | 118U5143   | 118U5148   | 118U5148   | 118U5143   | 118U5143   | 118U5143   | 118U5148   |
| Left side panel                     |     | 118U5167   | 118U5167   | 118U5167   | 118U5167   | 118U5168   | 118U5168   | 118U5167   | 118U5167   | 118U5167   | 118U5168   |
| Service panel                       | W05 | 118U5144   | 118U5144   | 118U5144   | 118U5144   | 118U5149   | 118U5149   | 118U5144   | 118U5144   | 118U5144   | 118U5149   |
|                                     | W09 | 118U5156   | 118U5156   | 118U5156   | 118U5156   | 118U5157   | 118U5157   | 118U5156   | 118U5156   | 118U5156   | 118U5157   |

MCC - Max Continuous Current  
LRA - Locked Rotor Amps  
XGE - FSC, Fan Speed Controller  
\* - Spare part, Starting Kit

# Catalogue

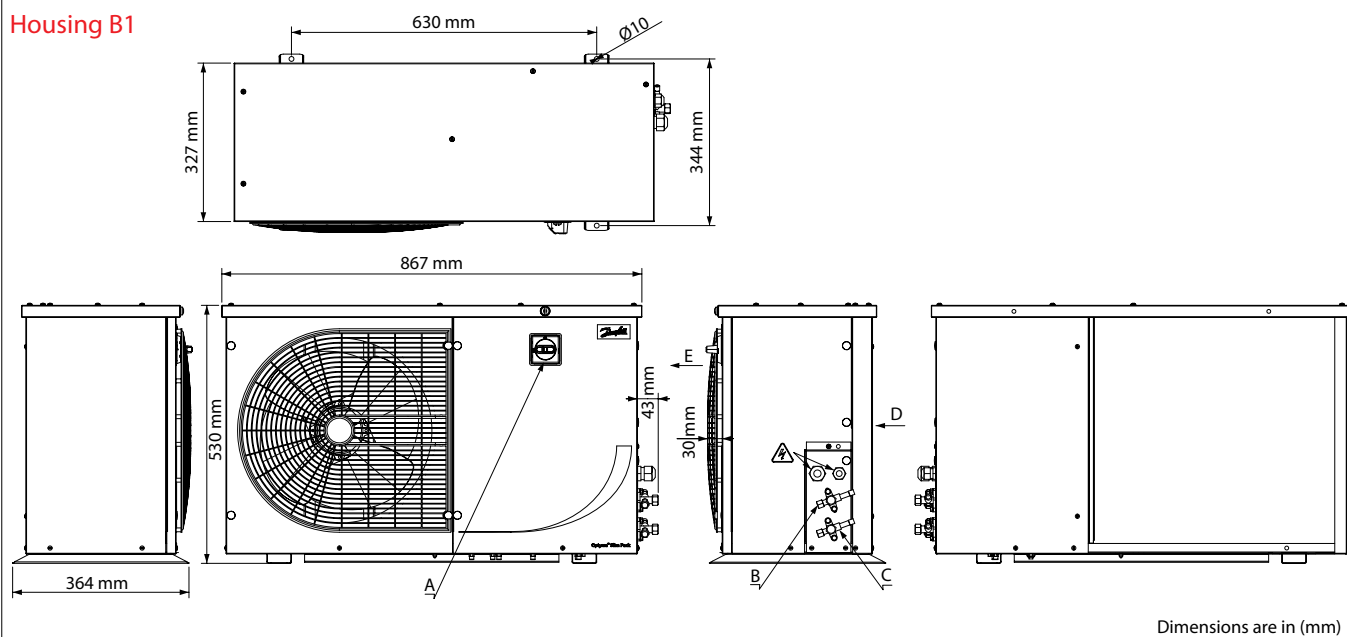
## Optyma™ Slim Pack - Spare parts & accessories list

| Component type         | Component code | Component description                   | Additional informations                                  |
|------------------------|----------------|-----------------------------------------|----------------------------------------------------------|
| Acoustic Hood          | 120Z0575       | ACOUSTIC HOOD COMP 1CYL                 |                                                          |
| Acoustic Hood          | 120Z5043       | ACCOUSTIC HOOD - SMALL FRAME            |                                                          |
| Acoustic Hood          | 120Z5044       | Acoustic hood for Scroll MLZ compressor |                                                          |
| Acoustic Hood          | 120Z5045       | ACCOUSTIC HOOD, LARGE FRAME             |                                                          |
| Acoustic Hood          | 120Z5052       | Sound Cover, LLZ013-018                 |                                                          |
| Capacitor              | 8173001        | CAPACITOR 100µF 330V+R                  |                                                          |
| Capacitor              | 8173041        | CAPACITOR 30µF 450V                     |                                                          |
| Capacitor              | 117U5017       | START CAPACITOR 80 mfd                  |                                                          |
| Capacitor              | 117U5012       | Start Capacitor 125 mF, 220V/50Hz       |                                                          |
| Compressor Single Pack | 118U3914       | FH2511Z                                 |                                                          |
| Compressor Single Pack | 118U3915       | TFH2511Z                                |                                                          |
| Compressor Single Pack | 118U3988       | CAJ9510Z - AJ2 range                    |                                                          |
| Compressor Single Pack | 118U3989       | TAJ4519Z - AJ2 range                    |                                                          |
| Compressor Single Pack | 118U3990       | CAJ2464Z - AJ2 range                    |                                                          |
| Compressor Single Pack | 118U3991       | TAJ4517Z - AJ2 range                    |                                                          |
| Compressor Single Pack | 118U3992       | CAJ2446Z - AJ2 range                    |                                                          |
| Compressor Single Pack | 118U3993       | CAJ4517Z - AJ2 range                    |                                                          |
| Compressor Single Pack | 118U3994       | CAJ4519Z - AJ2 range                    |                                                          |
| Compressor Single Pack | 118U3995       | CAJ9513Z - AJ2 range                    |                                                          |
| Compressor Single Pack | 118U3996       | CAJ4511Y - AJ2 range                    |                                                          |
| Compressor Single Pack | 118U3997       | CAJ4492Y - AJ2 range                    |                                                          |
| Compressor Single Pack | 120F0226       | NTZ048-4LR1B                            |                                                          |
| Compressor Single Pack | 120F0228       | NTZ048-5LR1B                            |                                                          |
| Compressor Single Pack | 120F0230       | NTZ068-4LR1B                            |                                                          |
| Compressor Single Pack | 120F0232       | NTZ068-5LR1B                            |                                                          |
| Compressor Single Pack | 121L8629       | MLZ015T4LP9A                            |                                                          |
| Compressor Single Pack | 121L8631       | MLZ015T5LP9A                            |                                                          |
| Compressor Single Pack | 121U8731       | MLZ019T5LT9A COMPRESSOR                 |                                                          |
| Compressor Single Pack | 120U8725       | MLZ019T4LP9A COMPRESSOR                 |                                                          |
| Compressor Single Pack | 121L8633       | MLZ021T4LP9A                            |                                                          |
| Compressor Single Pack | 121L8635       | MLZ021T5LP9A                            |                                                          |
| Compressor Single Pack | 121L8637       | MLZ026T4LP9A                            |                                                          |
| Compressor Single Pack | 121L8639       | MLZ026T5LP9A                            |                                                          |
| Compressor Single Pack | 121L8641       | MLZ030T4LC9A                            |                                                          |
| Compressor Single Pack | 121L8643       | MLZ030T5LC9A                            |                                                          |
| Compressor Single Pack | 121L8645       | MLZ038T4LC9A                            |                                                          |
| Compressor Single Pack | 121L8647       | MLZ038T5LC9A                            |                                                          |
| Compressor Single Pack | 121L8649       | MLZ045T4LC9A                            |                                                          |
| Compressor Single Pack | 121L8651       | MLZ048T4LC9A                            |                                                          |
| Compressor Single Pack | 121L9535       | LLZ013T4LQ9A                            |                                                          |
| Compressor Single Pack | 121L9537       | LLZ015T4LQ9A                            |                                                          |
| Compressor Single Pack | 121L9539       | LLZ018T4LQ9A                            |                                                          |
| Compressor Single Pack | 123B2126       | MPT14LA                                 |                                                          |
| Compressor Single Pack | 123B2127       | MPT16LA                                 |                                                          |
| Compressor Single Pack | 123B2514       | MLY90RAb                                |                                                          |
| Compressor Single Pack | 123B2518       | MPT12RA                                 |                                                          |
| Compressor Single Pack | 123B2704       | MPT14RA                                 |                                                          |
| Compressor Single Pack | 195B0050       | SC12G                                   |                                                          |
| Compressor Single Pack | 195B0053       | SC15G                                   |                                                          |
| Compressor Single Pack | 195B0059       | SC18G                                   |                                                          |
| Compressor Single Pack | 195B0636       | SC21G                                   |                                                          |
| Condenser              | 118U3492       | Spare part, A7 MCHX                     | Phased out & replaced by 118U5217 from SN: -096147CG0419 |
| Condenser              | 118U3493       | Spare part, D7 MCHX                     | Phased out & replaced by 118U5218 from SN: -096147CG0419 |
| Condenser              | 118U3494       | Spare part, G7 MCHX                     | Phased out & replaced by 118U5219 from SN: -096147CG0419 |
| Contact kit            | 118U3867       | KIT CONT,LC1E2501M6                     |                                                          |
| Contact kit            | 118U3868       | KIT CONT,LC1E3801M6                     |                                                          |
| Contact kit            | 118U3893       | KIT CONT,LC1E0901M5                     |                                                          |
| Contact kit            | 118U3894       | KIT CONT,LC1E1201M5                     |                                                          |
| Contact kit            | 118U3895       | KIT CONT,LC1E3201M5                     |                                                          |
| Contact kit            | 118U3896       | KIT CONT,LC1E1801M5                     |                                                          |

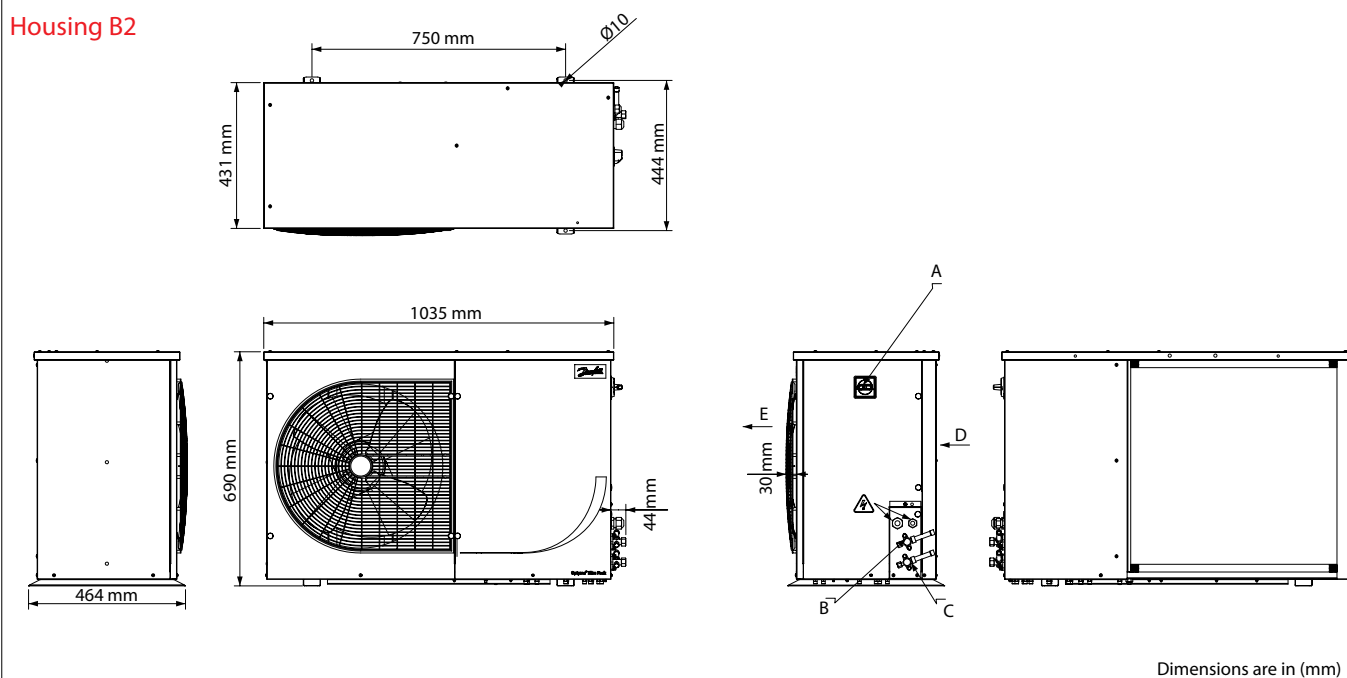
| Component type                      | Component code | Component description                             | Additional informations         |
|-------------------------------------|----------------|---------------------------------------------------|---------------------------------|
| Crankcase heater                    | 120Z0057       | Belt type, 50 W, 230 V, CE mark, UL               |                                 |
| Crankcase heater                    | 120Z0459       | PTC heater 27 W, CE mark, UL                      |                                 |
| Crankcase heater                    | 120Z5040       | Belt type, 70 W, 240 V, CE mark, UL               |                                 |
| Crankcase heater                    | 118U0051       | CRANKCASE HEATER 55W                              |                                 |
| Door Handle                         | 118U3858       | HANDLE, ABB-OHB2AJM,MSMN,OX55X131                 |                                 |
| Dual pressure switch                | 060-539766     | KP17WB Pressure Switch M/24                       |                                 |
| Fan assembly                        | 118U3829       | FAN ASSEMBLIES, EBM, ERP2015                      |                                 |
| Fan blade                           | 118U3480       | FAN BLADE 14"                                     |                                 |
| Fan blade                           | 118U3481       | FAN BLADE 18"                                     |                                 |
| Fan capacitor                       | 118U3296       | CAPACITOR 1,8 µF                                  |                                 |
| Fan capacitor                       | 118U3297       | 25PACITOR 3,5 µF                                  |                                 |
| Fan cowl/grill                      | 118U3483       | FAN GRILL HOUSING Ø356 mm                         |                                 |
| Fan cowl/grill                      | 118U3484       | FAN GRILL HOUSING Ø457 mm                         |                                 |
| Fan cowl/grill                      | 118U3485       | FAN GRILL HOUSING Ø609 mm                         |                                 |
| Fan motor (Capacitor not included)  | 118U3477       | FAN MOTOR 25W                                     |                                 |
| Fan motor (Capacitor not included)  | 118U3823       | FAN MOTOR 68W                                     |                                 |
| Fan speed control Female connection | 061H3140       | XGE-4C                                            |                                 |
| Fan speed control Female connection | 061H3144       | XGE-2C                                            |                                 |
| Filter drier                        | 023Z5040       | DML083                                            |                                 |
| Filter drier                        | 023Z5041       | DML084                                            |                                 |
| Filter drier                        | 023Z5044       | DML164                                            |                                 |
| Liquid valve                        | 118U3414       | Brazed Service Valve 3/8"                         |                                 |
| Liquid valve                        | 118U3761       | Brazed Service Valve 1/2"                         |                                 |
| Main switch kit                     | 118U3869       | C60H2P25AC                                        |                                 |
| Main switch kit                     | 118U3870       | C60H2P32AC                                        |                                 |
| Main switch kit                     | 118U3871       | C60H2P40AC                                        |                                 |
| Main switch kit                     | 118U3872       | C60H4P10AC                                        |                                 |
| Main switch kit                     | 118U3873       | C60H4P16AC                                        |                                 |
| Main switch kit                     | 118U3874       | C60H4P20AC                                        |                                 |
| Main switch kit                     | 118U3975       | KIT CIRCUITBREAKER,C60H2P10A                      |                                 |
| Main switch kit                     | 118U3976       | KIT CIRCUITBREAKER,C60H2P16A                      |                                 |
| Main switch kit                     | 118U3980       | KIT CIRCUITBREAKER, -A9N2P06C                     |                                 |
| Main switch kit                     | 118U3851       | KIT MPCB, ABB-MS116-10+HK1-20                     |                                 |
| Main switch kit                     | 118U3852       | KIT MPCB, ABB-MS116-16+HK1-20                     |                                 |
| Main switch kit                     | 118U3853       | KIT MPCB, ABB-MS116-6.3+HK1-20                    |                                 |
| Main switch kit                     | 118U3854       | KIT MPCB, ABB-MS132-20+HK1-20                     |                                 |
| Main switch kit                     | 118U3855       | KIT MPCB, ABB-MS132-25+HK1-20                     |                                 |
| Main switch kit                     | 118U3856       | KIT MPCB, ABB-MS132-32+HK1-20                     |                                 |
| Main switch kit                     | 118U3857       | KIT MPCB, ABB-MS450-40+HKS4-20                    |                                 |
| Main switch kit                     | 118U5162       | SPARE PART, KIT MPCB MS116-4.0 2.5-4A             |                                 |
| Isolator switch                     | 118U5117       | SPARE PART, ISOLATOR SWITCH SHAFT ASSLY B1/B2     |                                 |
| Isolator switch                     | 118U5120       | SPARE PART, ISOLATOR SWITCH SHAFT ASSLY B3 3PH    |                                 |
| Isolator switch                     | 118U5119       | SPARE PART, ISOLATOR SWITCH SHAFT ASSLY B3 1PH    |                                 |
| Oil                                 | -              | POE32 for Light Commercial (MLY / MPT)            |                                 |
| Oil                                 | -              | RL32HA/HT for light Commercial (CAJ/FH/TAJ/TFH)   |                                 |
| Oil                                 | 120Z0638       | 1 litre can of 175PZ - POE (NTZ Platform)         | CU with a SN above 051220CG3016 |
| Oil                                 | 120Z0648       | 1 litre can of 215PZ - POE46 (MLZ & LLZ Platform) | CU with a SN above 051220CG3016 |
| Overload relay                      | 118U3875       | KIT OL-RELAY, -LRE12+LAEB2                        |                                 |
| Overload relay                      | 118U3876       | KIT OL-RELAY, -LRE14+LAEB2                        |                                 |
| Overload relay                      | 118U3877       | KIT OL-RELAY, -LRE16+LAEB2                        |                                 |
| Overload relay                      | 118U3878       | KIT OL-RELAY, -LRE21+LAEB2                        |                                 |
| Overload relay                      | 118U3879       | KIT OL-RELAY, -LRE22+LAEB2                        |                                 |
| Overload relay                      | 118U3880       | KIT OL-RELAY, -LRE32+LAEB2                        |                                 |
| Overload relay                      | 118U3881       | KIT OL-RELAY, -LRE35+LAEB2                        |                                 |
| Overload relay                      | 118U3978       | KIT OL-RELAY, -LRE1                               |                                 |
| Receiver                            | 118U3474       | LIQUID RECEIVER 1,3 L                             |                                 |
| Receiver                            | 118U3475       | LIQUID RECEIVER 3,4 L                             |                                 |
| Receiver                            | 118U3476       | LIQUID RECEIVER 6,2 L                             |                                 |
| Relay                               | 8173022        | STARTING RELAY TYPE RVA6AMKL                      |                                 |
| Relay                               | 117U6013       | STARTING RELAY                                    |                                 |
| Relay                               | 117U6019       | Starting Relay SC 50/60 Hz                        |                                 |
| Relay                               | 117U6011       | STARTING RELAY SC 220V/60Hz                       |                                 |
| Relay                               | 117-7027       | SC-RELAY                                          |                                 |
| Relay                               | 117U6003       | STARTING RELAY TL/SC 115V/50/60Hz                 |                                 |
| Relay                               | 117U6005       | STARTING RELAY SC 220V/50Hz                       |                                 |
| Relay                               | 117-7029       | SC-RELAY                                          |                                 |

| Component type       | Component code | Component description                         | Additional informations |
|----------------------|----------------|-----------------------------------------------|-------------------------|
| Run capacitor        | 8173231        | Run capacitor 440V, 40 µF                     |                         |
| Run capacitor        | 8173233        | Run capacitor 440V,50 µF                      |                         |
| Run capacitor        | 8173234        | Run capacitor 440V,55 µF                      |                         |
| Run capacitor        | 120Z0051       | Run capacitor 70 µF                           |                         |
| Sequence phase relay | 118U3882       | SM500-MG73BF                                  |                         |
| Sight glass          | 014L0173       | SGP 12 N                                      |                         |
| Sight glass          | 014L0182       | SGP 10s N                                     |                         |
| Suction valve        | 118U3761       | SPARE PART - BRAZED SERVICE VALVE 1/2"        |                         |
| Suction valve        | 118U3414       | SPARE PART - BRAZED SERVICE VALVE 3/8"        |                         |
| Suction valve        | 118U3762       | SPARE PART VALVE- BRAZE SERVICE VALVE 3/4"    |                         |
| Suction valve        | 118U3763       | SPARE PART-BRAZE SERVICE VALVE 7/8"           |                         |
| Suction valve        | 118U3764       | SPARE PART-BRAZE SERVICE VALVE 5/8"           |                         |
| Top Panel B1         | 118U5141       | SPARE PART, SHEET METAL TOP B1                |                         |
| Fan panel B1         | 118U5142       | SPARE PART, SHEET METAL FAN B1                |                         |
| Back Panel B1        | 118U5143       | SPARE PART, SHEET METAL BACK B1               |                         |
| Service panel W05 B1 | 118U5144       | SPARE PART, SHEET METAL SERVICE PANEL B1      |                         |
| Left Side Panel B1   | 118U5167       | SPARE PART, SHEET METAL LEFT SIDE B1          |                         |
| Service panel W09 B1 | 118U5156       | SPARE PART, SHEET METAL SERVICE PANEL B1- W09 |                         |
| Top Panel B2         | 118U5146       | SPARE PART, SHEET METAL TOP B2                |                         |
| Fan panel B2         | 118U5147       | SPARE PART, SHEET METAL FAN B2                |                         |
| Back Panel B2        | 118U5148       | SPARE PART, SHEET METAL BACK B2               |                         |
| Service panel W05 B2 | 118U5149       | SPARE PART, SHEET METAL SERVICE PANEL B2      |                         |
| Left Side Panel B2   | 118U5168       | SPARE PART, SHEET METAL LEFT SIDE B2          |                         |
| Service panel W09 B2 | 118U5157       | SPARE PART, SHEET METAL SERVICE PANEL B2 -W09 |                         |
| Top Panel B3         | 118U5151       | SPARE PART, SHEET METAL TOP B3                |                         |
| Fan panel B3         | 118U5152       | SPARE PART, SHEET METAL FAN B3                |                         |
| Back Panel B3        | 118U5153       | SPARE PART, SHEET METAL BACK B3               |                         |
| Service panel W05 B3 | 118U5154       | SPARE PART, SHEET METAL SERVICE PANEL B3      |                         |
| Left Side Panel B3   | 118U5169       | SPARE PART, SHEET METAL LEFT SIDE B3          |                         |
| Service panel W09 B3 | 118U5158       | SPARE PART, SHEET METAL SERVICE PANEL B3 -W09 |                         |
| Starting KIT         | 118U5191       | CAJ2446Z _ F1 KIT Capacitor and relay         |                         |
| Starting KIT         | 118U5192       | CAJ2464Z _ F1 KIT Capacitor and relay         |                         |
| Starting KIT         | 118U5193       | CAJ4492Y _ F1 KIT Capacitor and relay         |                         |
| Starting KIT         | 118U5194       | CAJ4511Y _ F1KIT Capacitor and relay          |                         |
| Starting KIT         | 118U5195       | CAJ4517Z _ F1 KIT Capacitor and relay         |                         |
| Starting KIT         | 118U5196       | CAJ4519Z _ F1 KIT Capacitor and relay         |                         |
| Starting KIT         | 118U5197       | CAJ9510Z _ F1 KIT Capacitor and relay         |                         |
| Starting KIT         | 118U5198       | CAJ9513Z _ F1KIT Capacitor and relay          |                         |
| Starting KIT         | 118U5199       | FH2511Z _ F1KIT Capacitor and relay           |                         |
| Start capacitor      | 123B9316       | STARTING CAPACITOR+CC 72-88µF/330V R216       |                         |
| Start capacitor      | 123B9315       | STARTING CAPACITOR+CC 64-77µF/330V R205       |                         |
| Start capacitor      | 117U5373       | START CAPACITOR 80 mfd                        |                         |
| Start capacitor      | 120Z0399       | Start capacitor 145-175 F                     |                         |
| Relay                | 123B9151       | RELAY + CON. BOARD 1158-8 BDG 158S+ NTC       |                         |
| Relay                | 123B9133       | RELAY + CON. BOARD 1149-8 BDG 149S+ NTC       |                         |
| Run capacitor        | 123B9222       | RUN CAPACITOR 10µF/420V, REF. 326             |                         |
| Run capacitor        | 123B9219       | RUN CAPACITOR 16µF/420V, REF. 321             |                         |
| Capacitor            | 120Z0400       | CAPACITOR 161-193µF 330V                      |                         |
| Start relay          | 120Z0393       | Starting relay RVA9CKL                        |                         |
| Start relay          | 120Z0394       | Starting relay RVA3EKL                        |                         |
| Start relay          | 120Z0395       | Starting relay RVA4GKL                        |                         |
| Relay                | 123B9139       | RELAY + CON. BOARD 1166-8 BDG 166S+ NTC       |                         |
| Run capacitor        | 123B9226       | RUN CAPACITOR 25µF/420V, REF. 310 MET.        |                         |

Housing B1



Housing B2

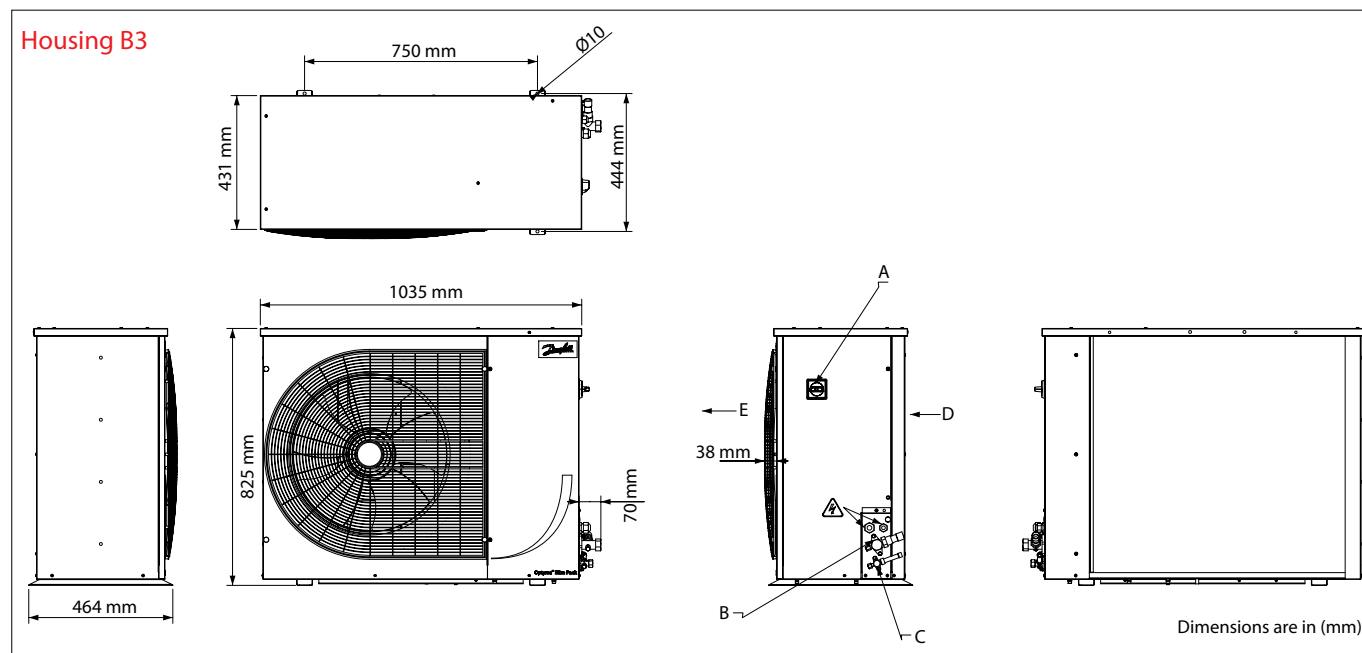


A Isolator Switch (W09 only)  
B Suction Flare Valve

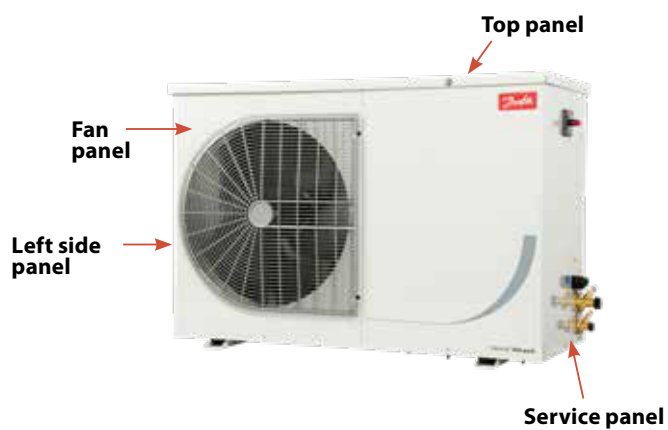
C Liquid Flare Valve  
D Air in

E Air out  
⚠ Electrical Cables

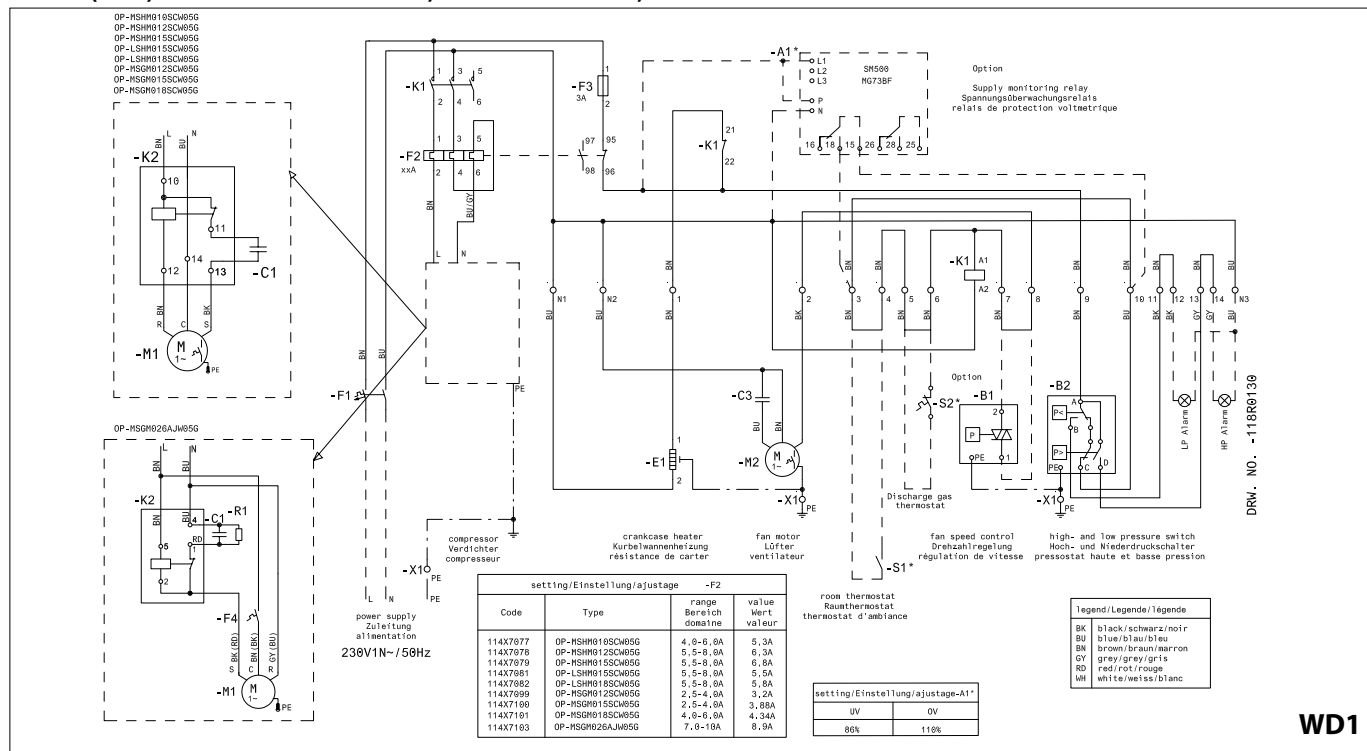




### Optyma™ Slim Pack - Housing spare parts

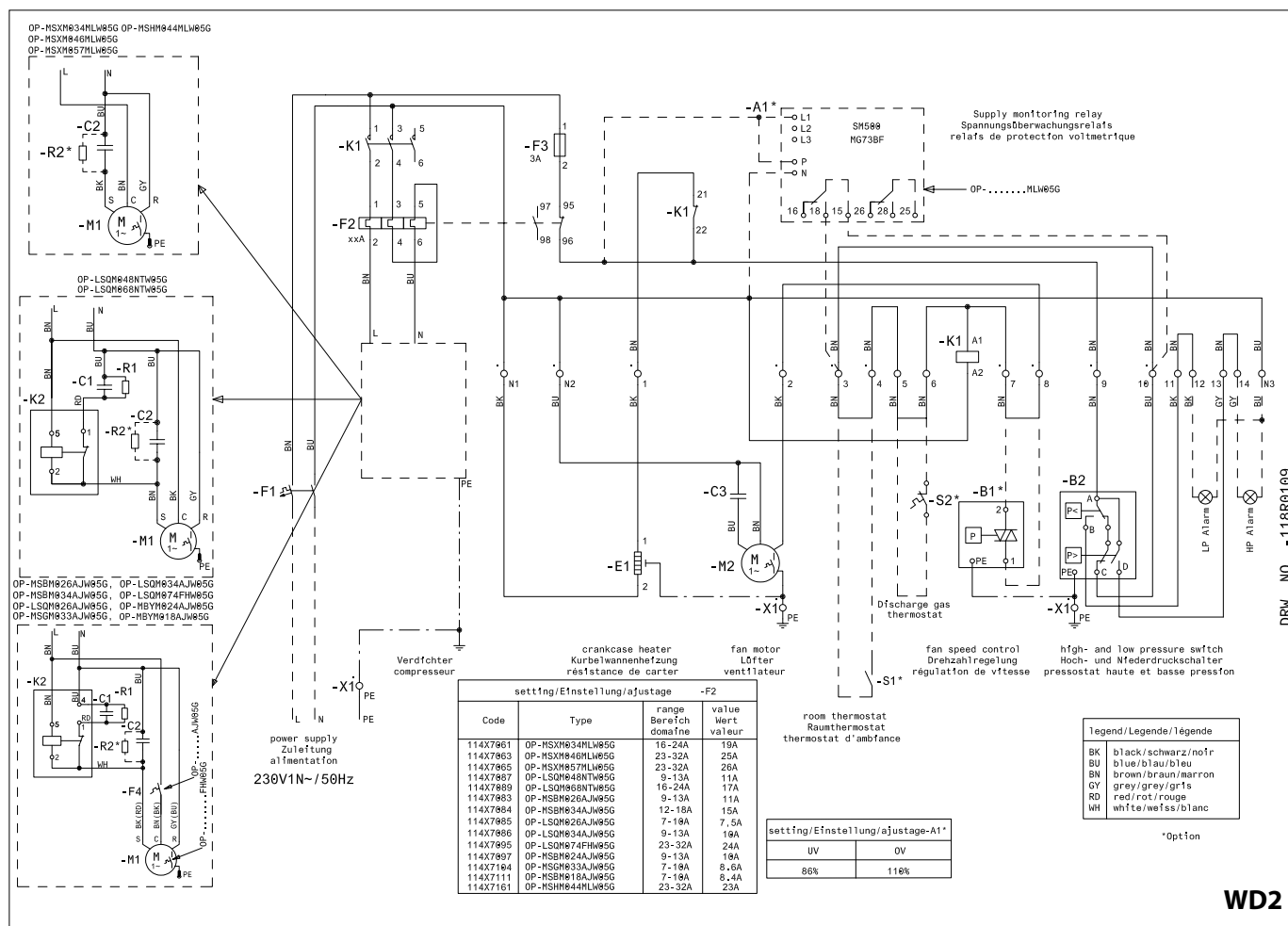


Code G (W05): OP-MSHM010 - 012 - 015, OP-LSHM015 - 018, OP-MSGM012 - 015 - 018 - 026



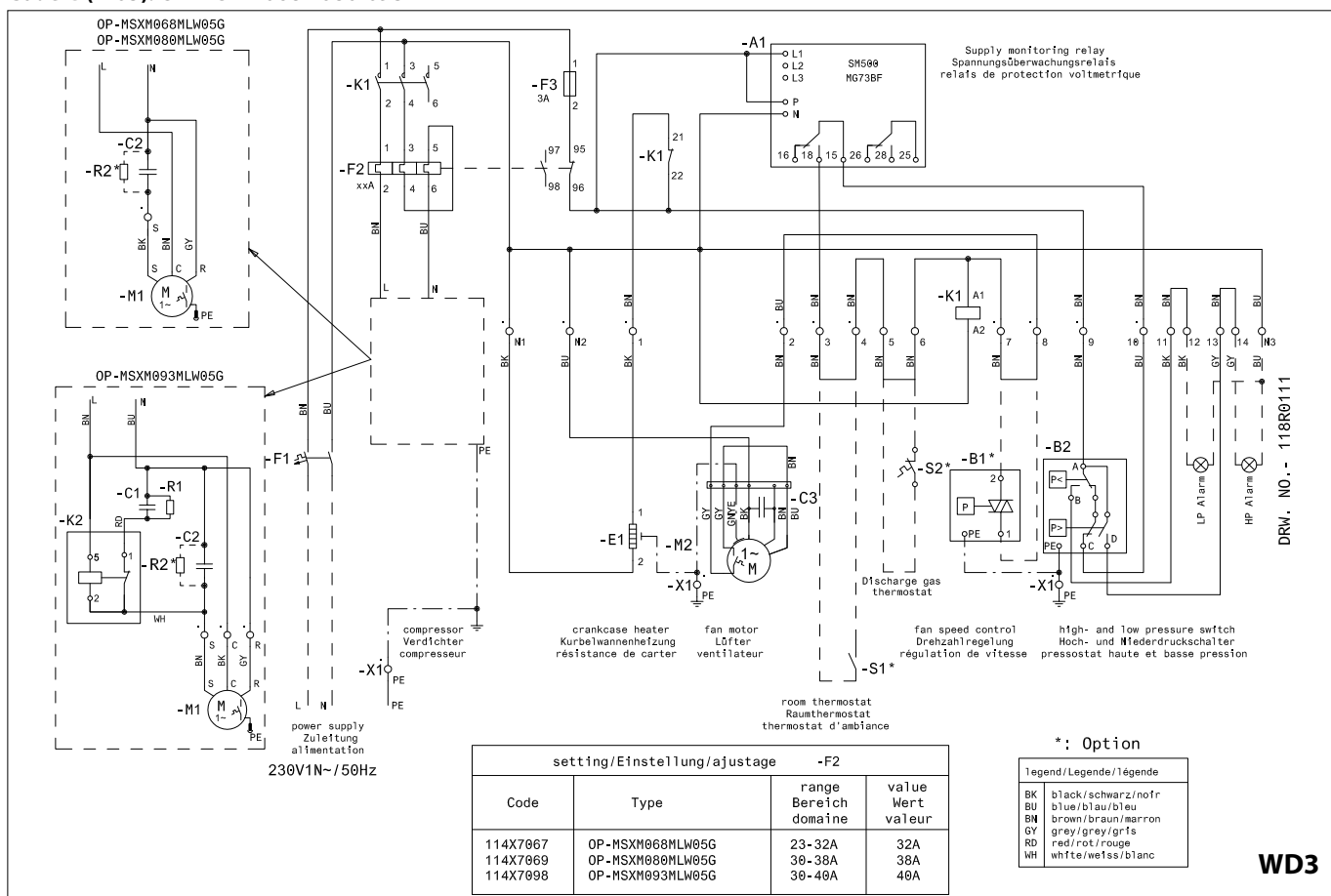
WD1

Code G (W05): OP-LSQM026 - 034 - 048 - 068 - 074, OP-MSGM033, OP-MSBM018 - 024 - 026 - 034, OP-MSXM034 - 044 - 46 - 057

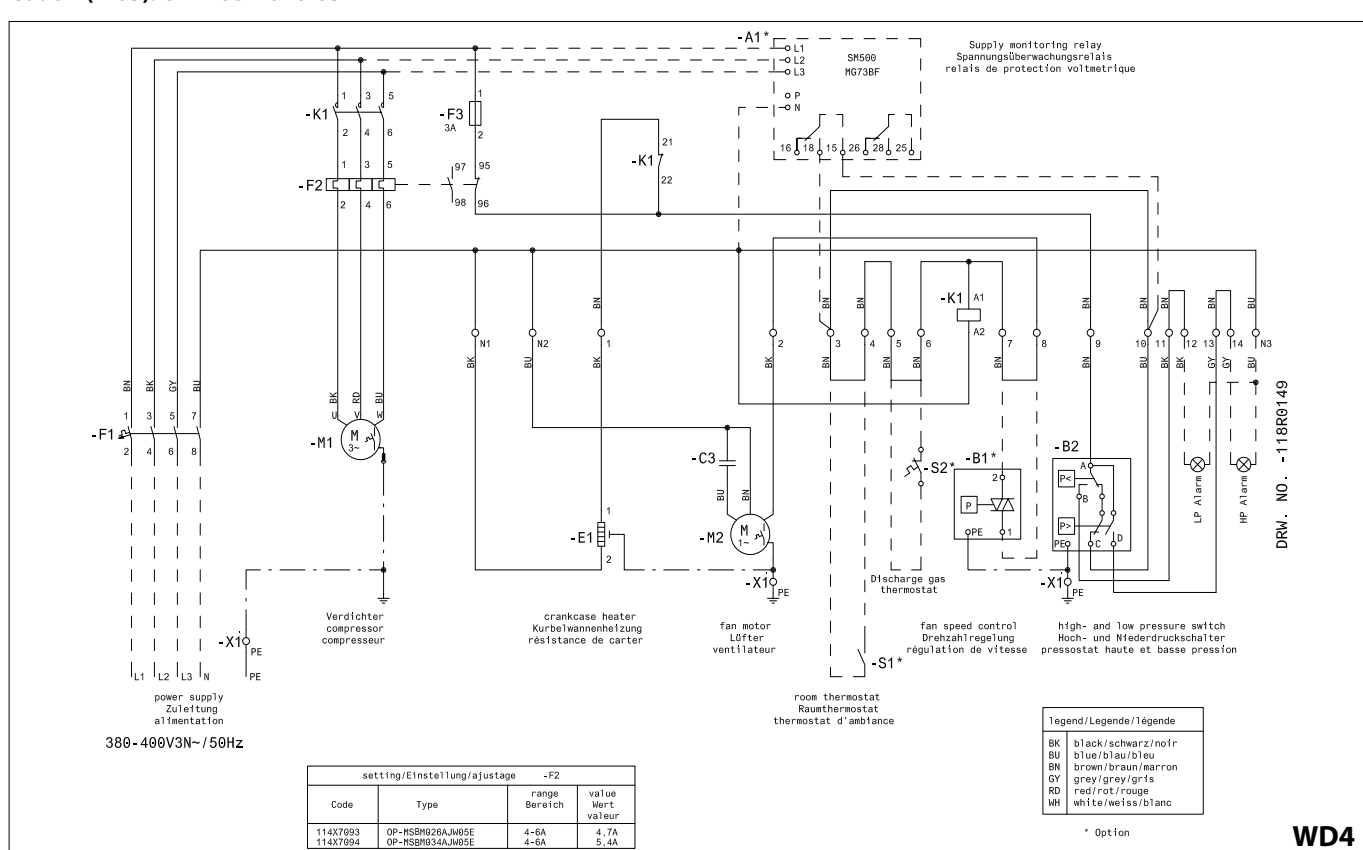


WD2

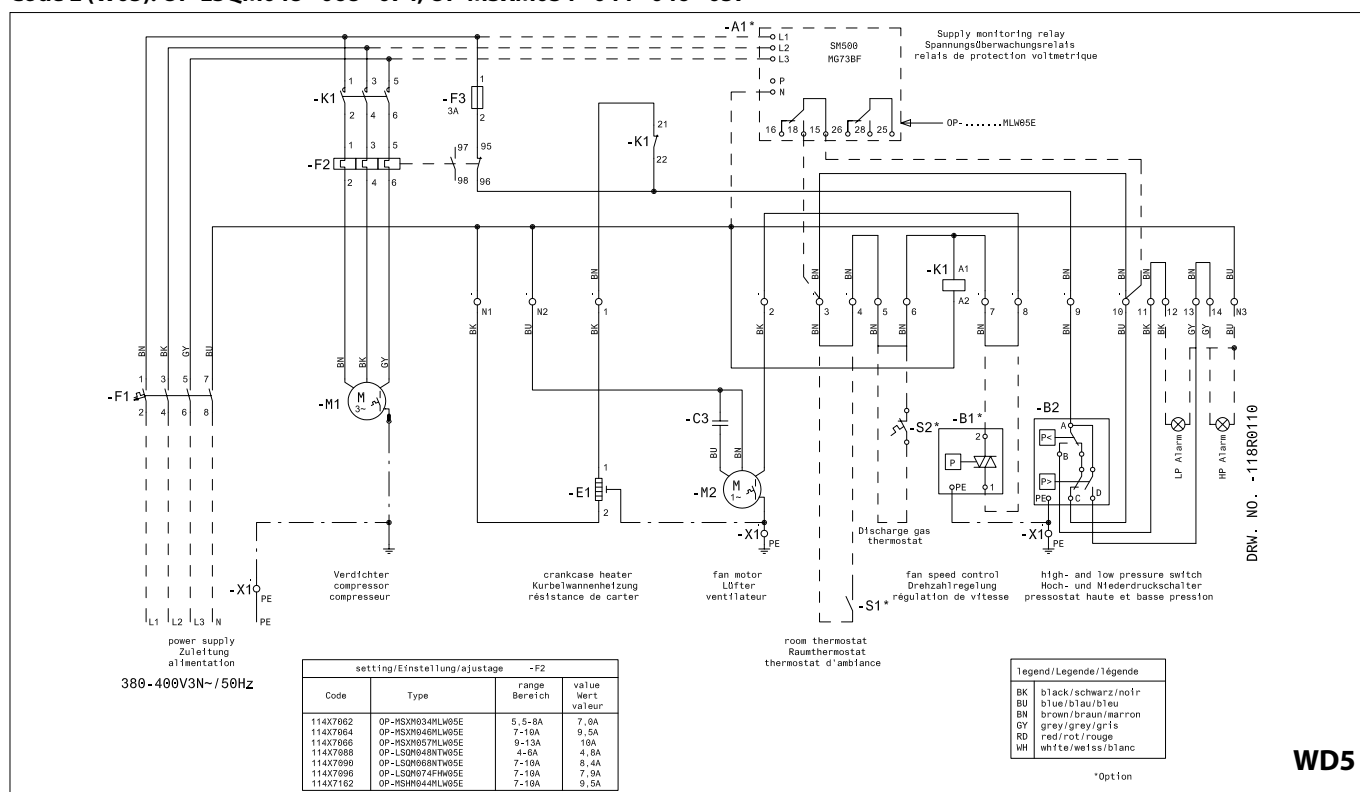
Code G (W05): OP-MSXM068 - 080-093



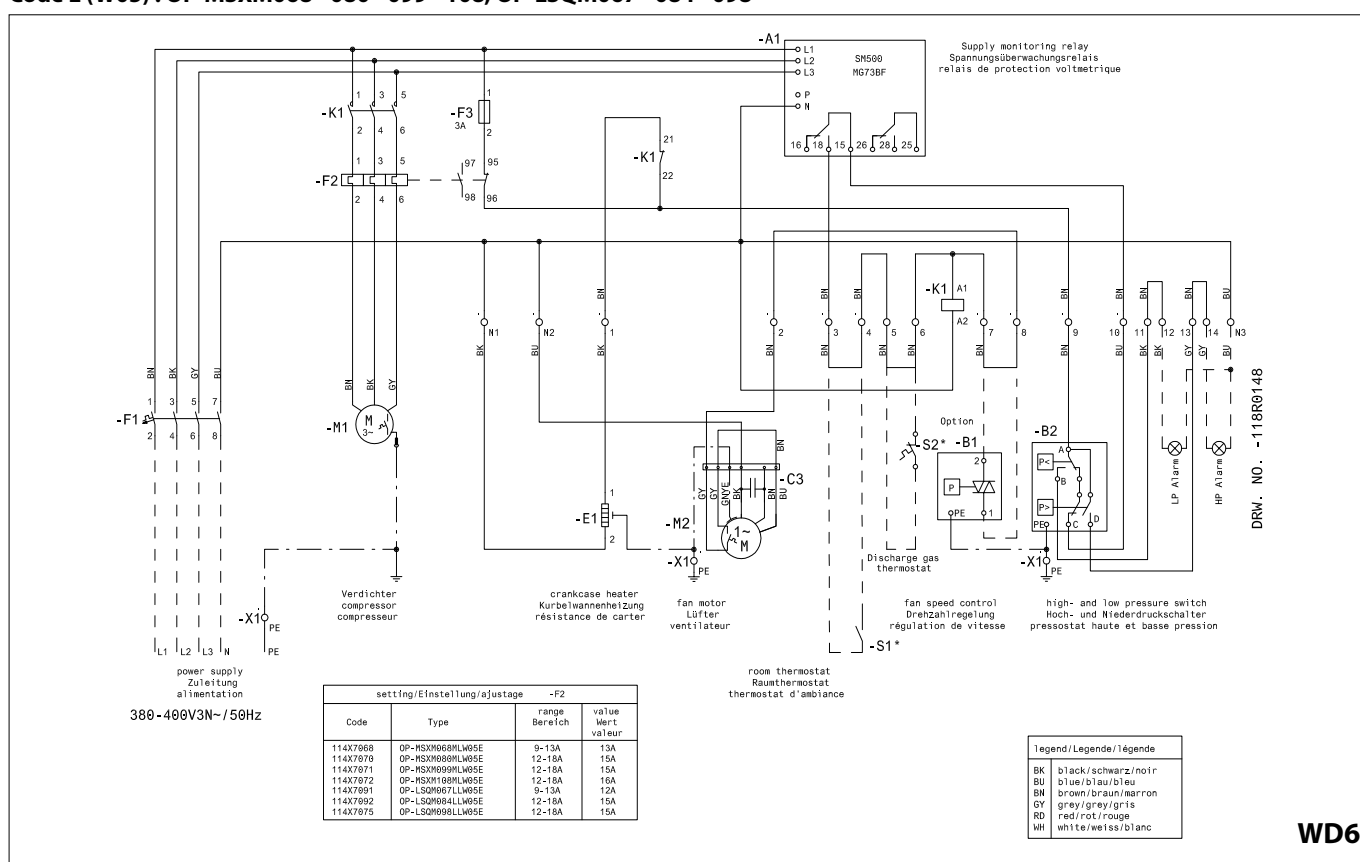
Code E (W05): OP-MSBM026-034



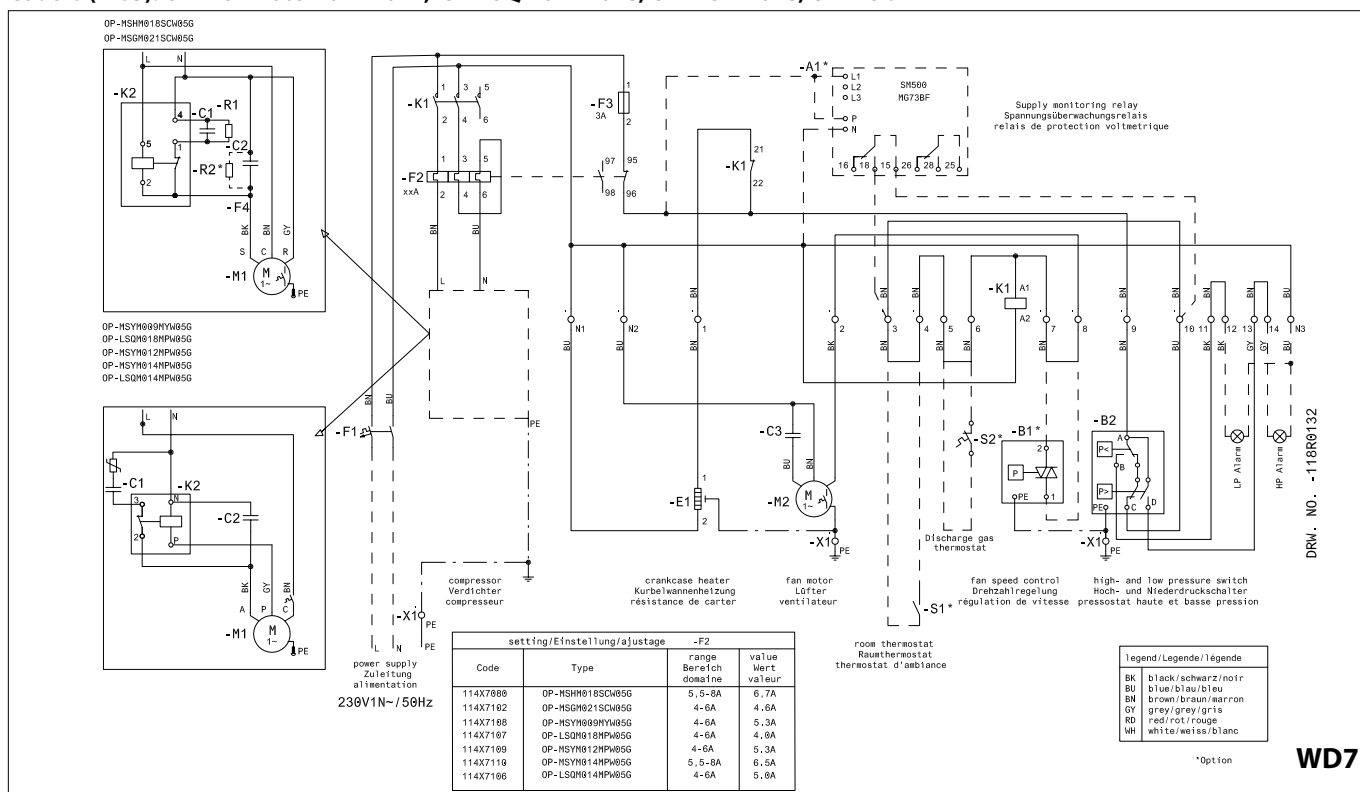
Code E (W05): OP-LSQM048 - 068 - 074, OP-MSXM034 - 044 - 046 - 057



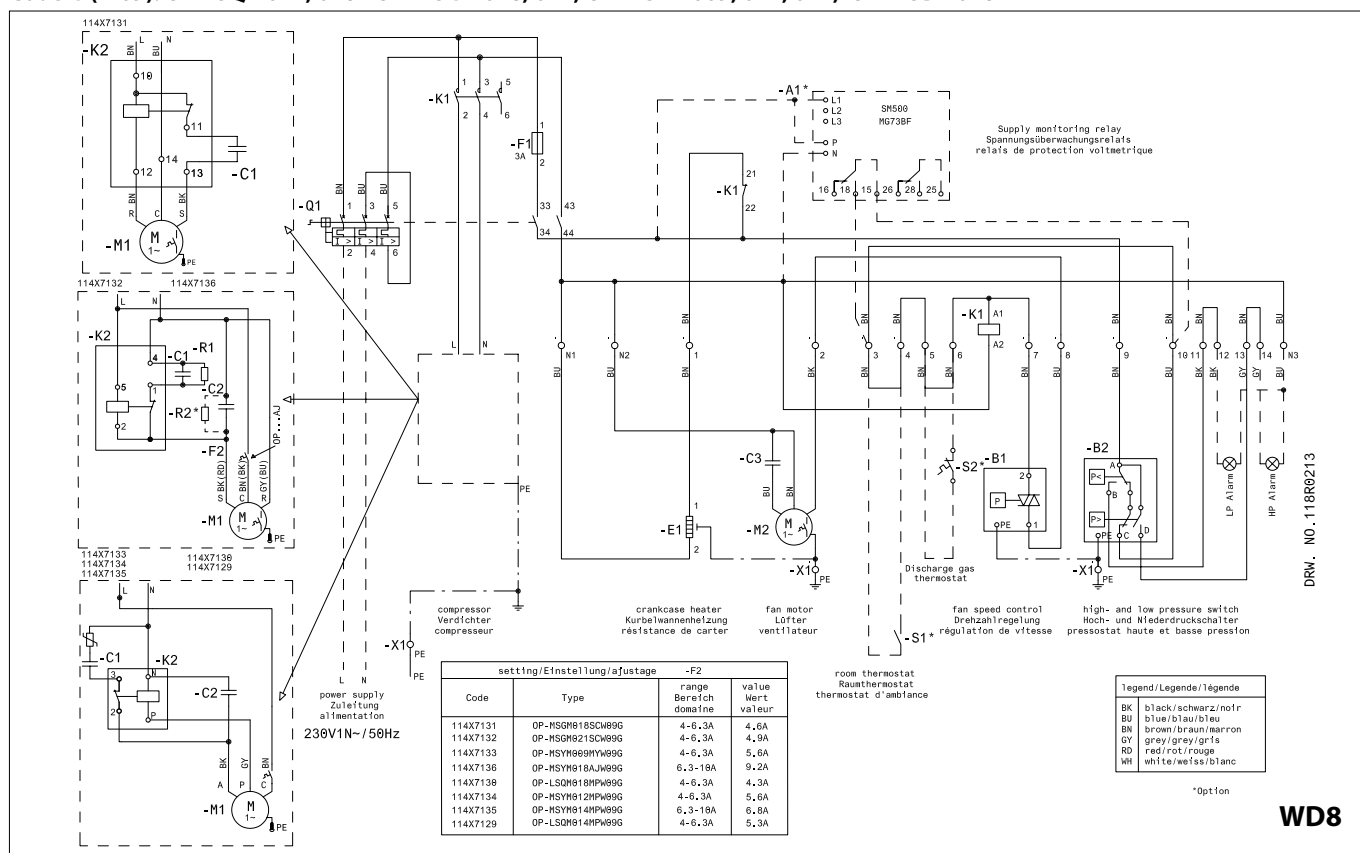
Code E (W05) : OP-MSXM068 - 080 - 099 - 108, OP-LSQM067 - 084 - 098



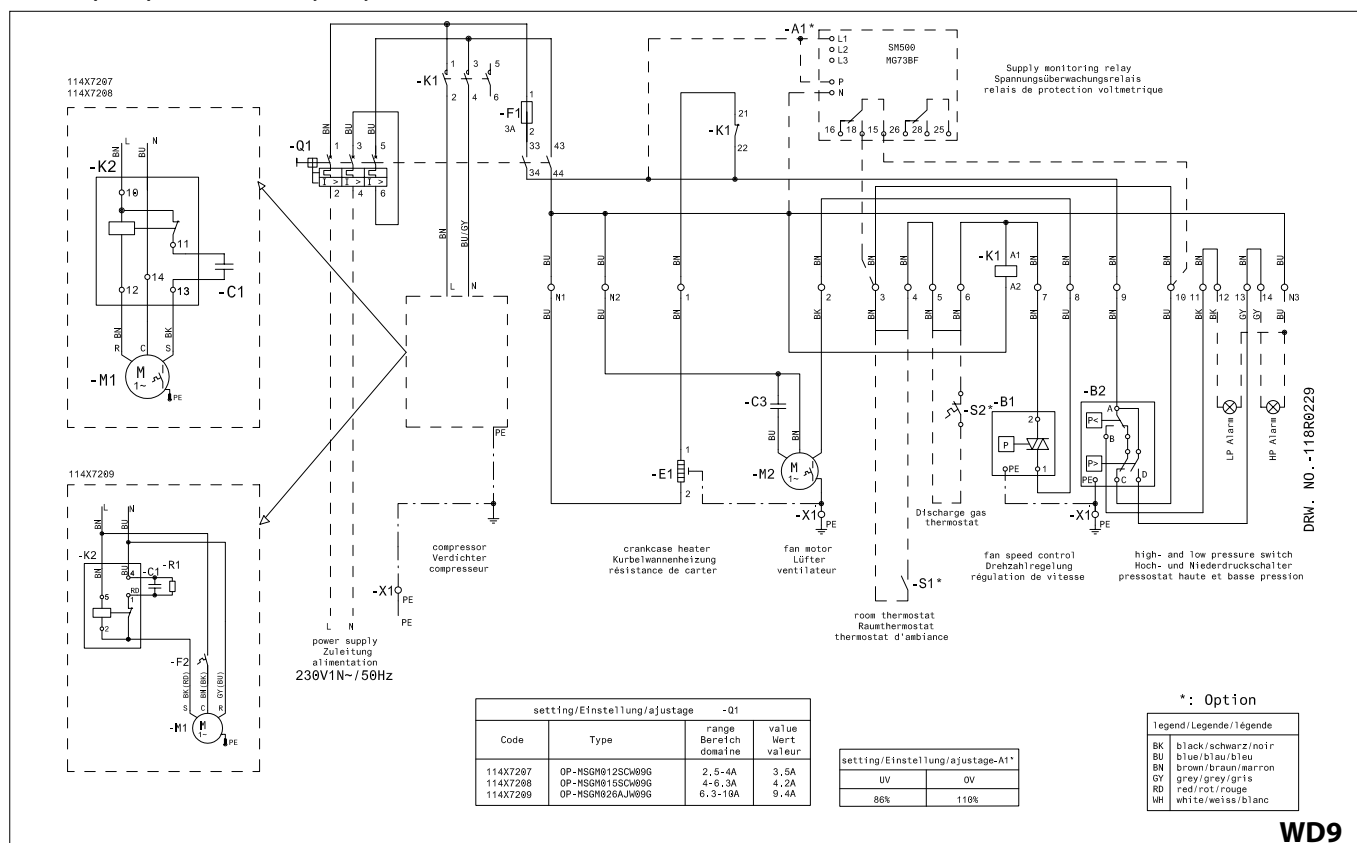
Code G (W05): OP-MSYM009 - 012 - 014, OP-LSQM014 - 018, OP-MSHM018, OP-MSGM21



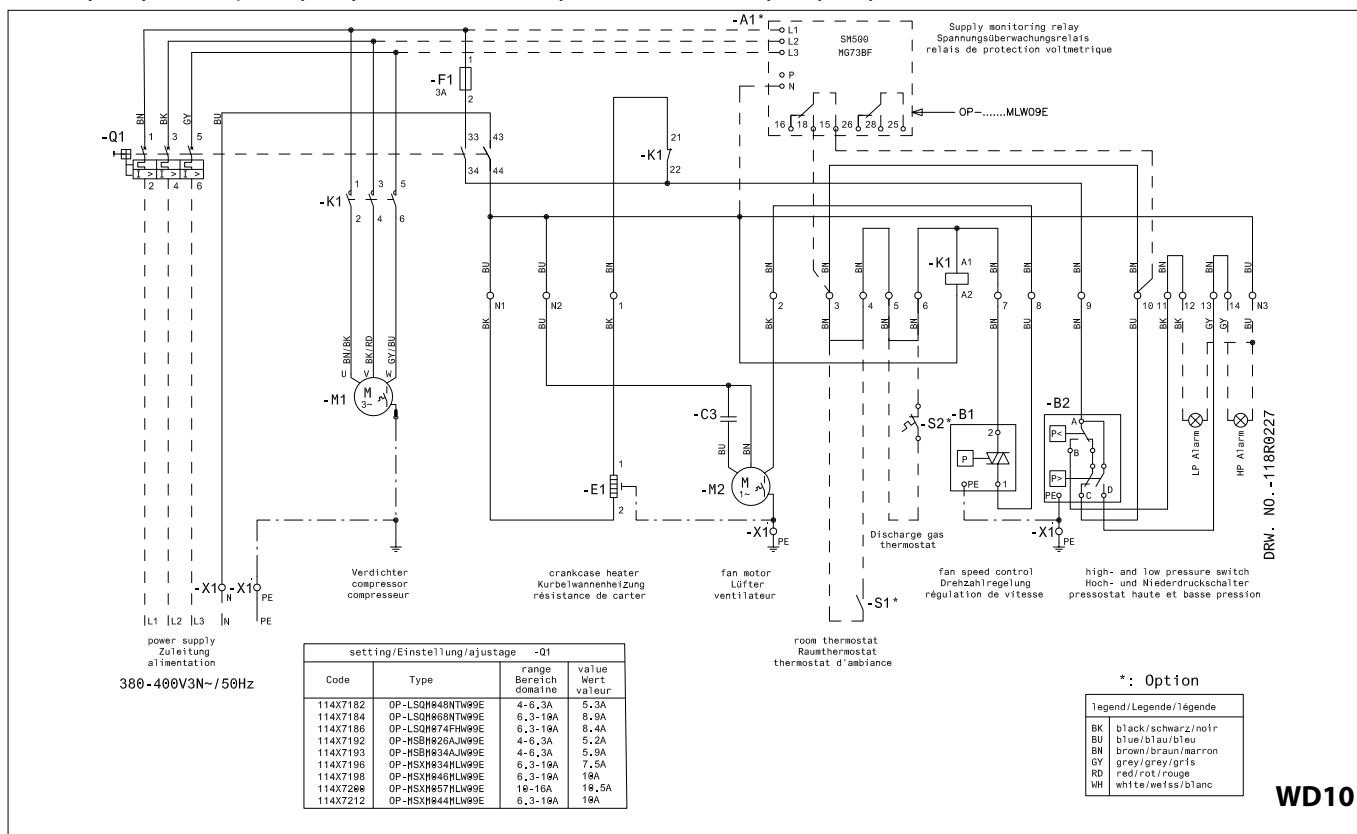
Code G (W09): OP-LSQM014, 018 - OP-MSGM018, 021, OP-MSYM009, 012, 014, OP-MSBM018



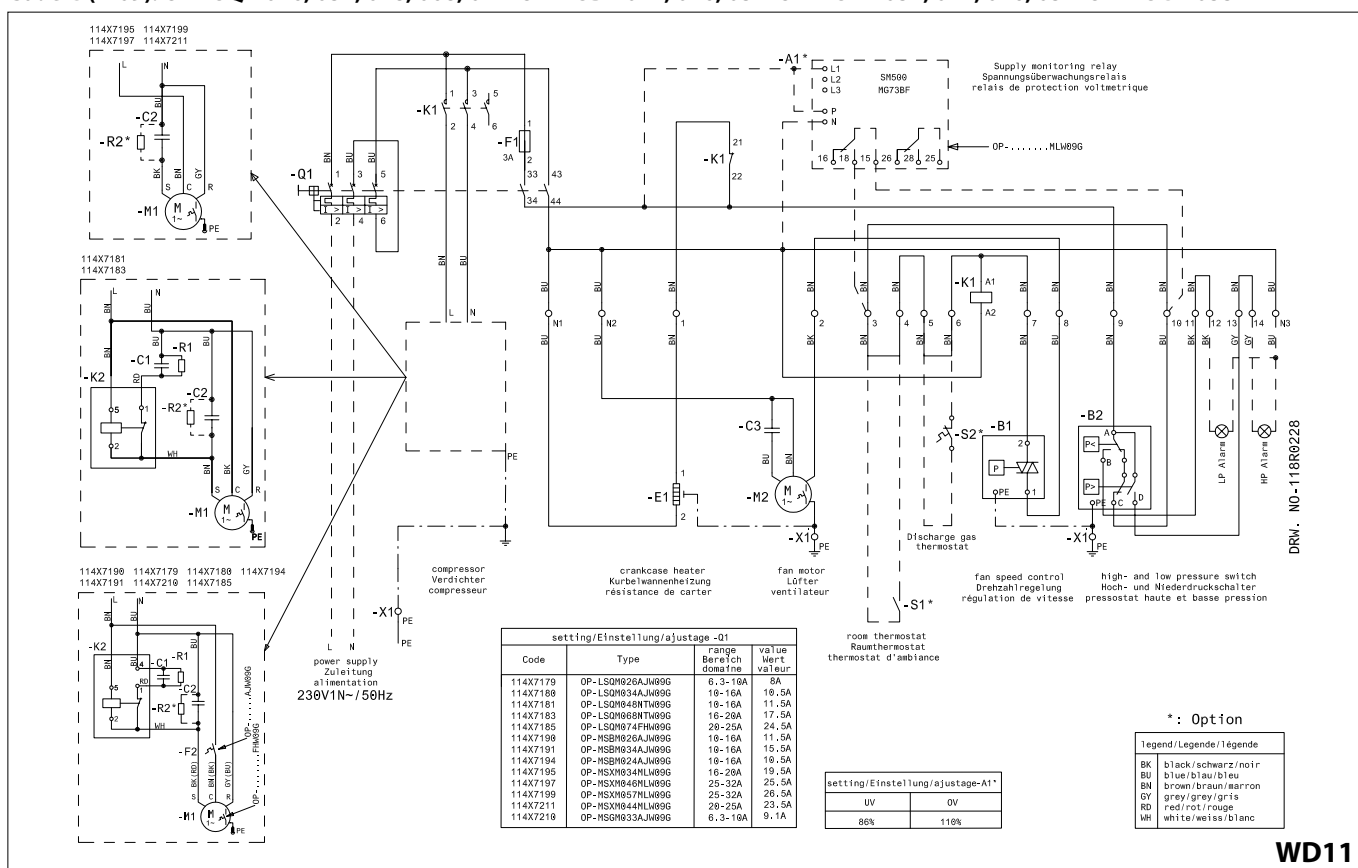
Code G (W09): OP-MSGM012, 015, 026



Code E (W09): OP-LSQM048, 068, 074 OP-MSBM026, 034 OP-MSXM034, 044, 046, 057

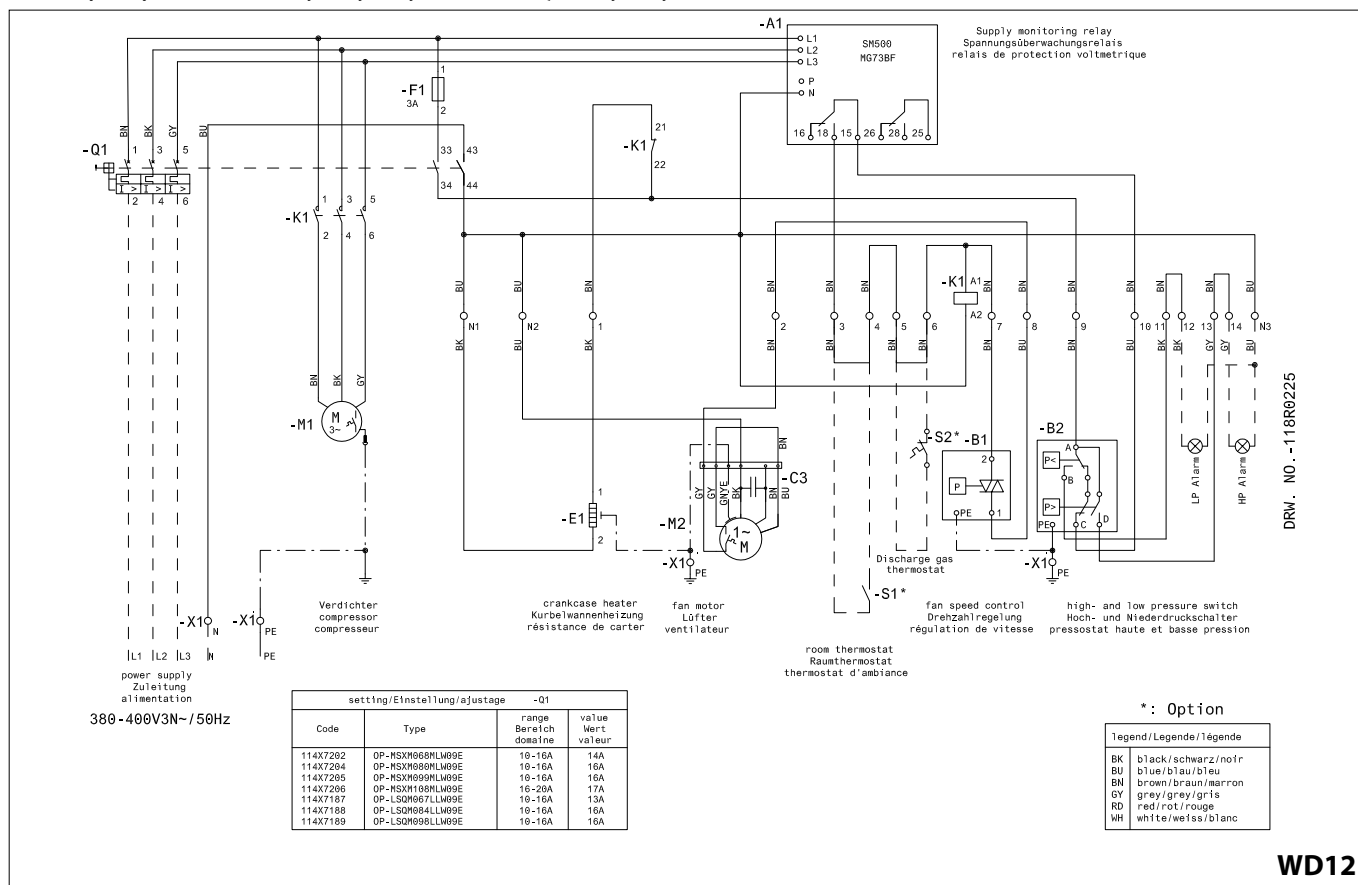


Code G (W09): OP-LSQM026, 034, 048, 068, 074 OP-MSBM024, 026, 034 OP-MSXM034, 044, 046, 057 OP-MSGM033



WD11

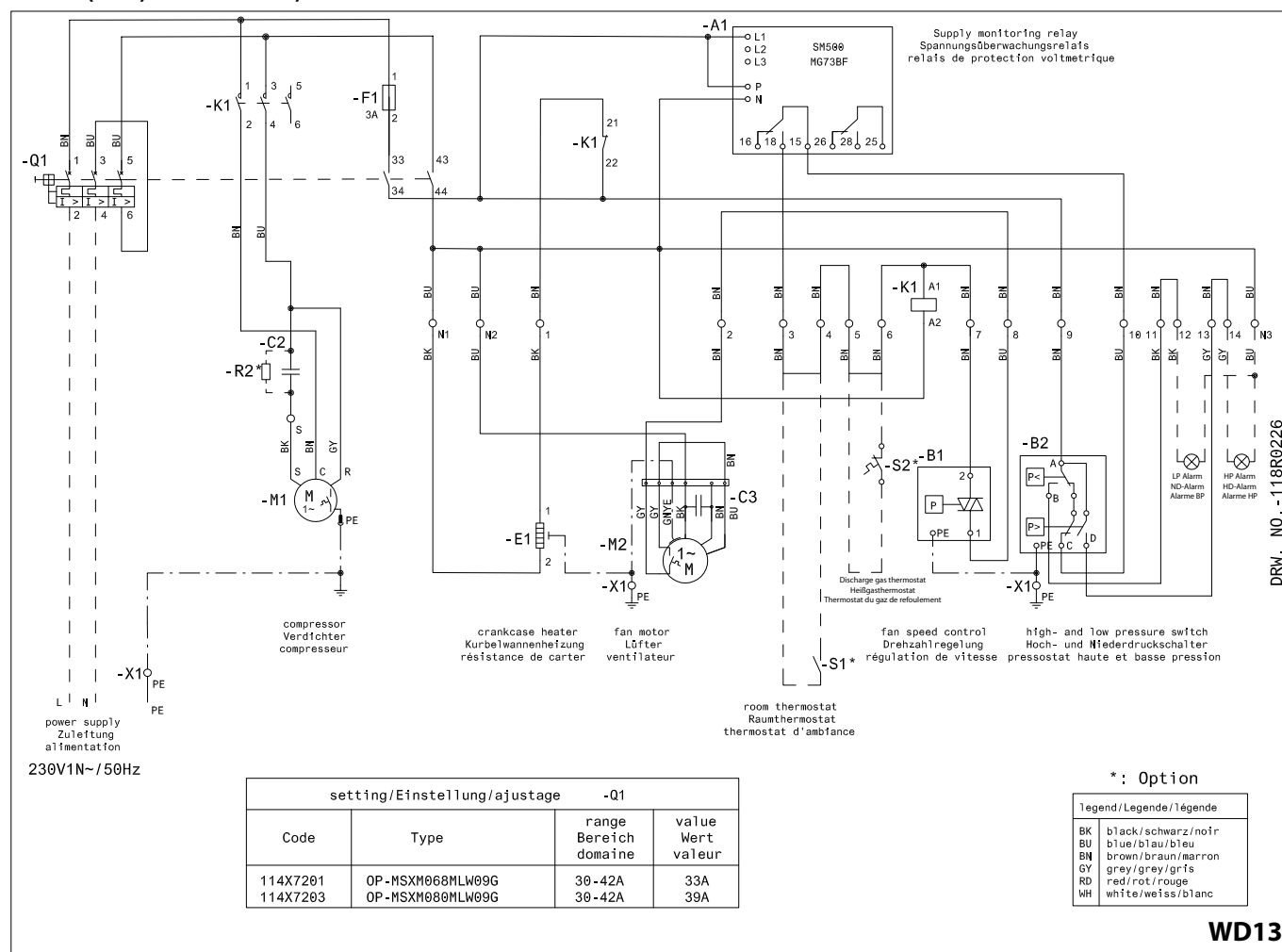
Code E (W09): OP-MSXM068, 080, 099, 108 OP-LSQM067, 084, 098



WD12



Code G (W09): OP-MSXM068, 080



WD13

|    |       |     |                               |    |                              |           |                          |
|----|-------|-----|-------------------------------|----|------------------------------|-----------|--------------------------|
| BK | black | A1  | Voltage relay                 | C3 | Run capacitor fan            | K2        | Start relay              |
| BU | blue  | A1* | Voltage relay (option)        | E1 | Crankcase heater             | M1        | Compressor               |
| BN | brown | B1  | Fan speed controller          | F1 | Main switch                  | M2        | Fan motor                |
| GY | grey  | B1* | Fan speed controller (option) | F2 | Overload relay               | R1,R2,R2* | Bleeder resistor         |
| RD | red   | B2  | High and Low pressure switch  | F3 | Fuse control circuit         | S1*       | Room thermostat (option) |
| WH | white | C1  | Start capacitor compressor    | F4 | Compressor thermal protector | X1        | Terminals                |
|    |       | C2  | Run capacitor compressor      | K1 | Contactor                    | *         | Option (remove bridge)   |

# Optyma™ Plus

## Equipped for **quietness** and **top performance**

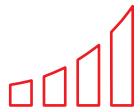
The same robust quality with added technology and smarter design. That's a seriously cool combination.

**50%**  
less installation time.  
A fast fit that lets you  
keep up the tempo



### Quick and safe installation and service

It is another step forward in plug and play. It will not just save you valuable time in installation, set up and service, it will also reduce your customers' bill.



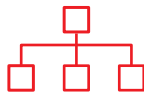
### High SEPR\*

All models in the range are highly efficient and well above EcoDesign 2018 thresholds, contributing to a reduction in energy costs.  
\*SEPR: Seasonal Energy Performance Ratio.



### The best sound performance in the market

Due to its long-life compressor, acoustic insulation, component design as well as intelligent fan speed reduction during low capacity operation.



### Connectivity

Contributes to considerable energy savings, making the Optyma™ Plus up to 20% more economical than an equivalent product.



## High efficiency to the top

### In-field stacking cuts costs

With its unique load-bearing design, it's possible to stack units in the field. This cuts installation time, and saves on carpentry and brackets to reduce cost.

### Compact cabinet speeds installation

New compact design makes it easier to maneuver when fitting in tight spaces, saving installation time.

### New MCHE alloy coils

New upgraded alloy with 1000 hours salt spray test



### Accessibility to speed up service

Easier and quicker accessibility to all components with new double door design – saves time during servicing, maintenance and repair.

### Intelligent technology speeds start-up and enhances reliability

Preset parameters make it easier to get it right from the start. Fewer mistakes reduce the risk of damage and save time and money on repairs.

**P02:** Scroll compressor with Liquid injection management for safety and reliability of installation using high glide refrigerants

## High SEPR/COP cuts energy costs

E.g. in a cold room where frozen food is stored and with 4.2 kW of cooling capacity.

### Optyma™ Plus LBP unit vs equivalent unit in the market\*

Cooling cap.:  
4.2 kW  
Refrigerant:  
R452A



| UNIT  | Danfoss      | Market       |
|-------|--------------|--------------|
| COP   | 1.08         | 0.97         |
| USAGE | ~ 25 820 kWh | ~ 30 012 kWh |

## Annual energy consumption saved: 4 192 kWh

Savings based on cost of energy:

FRANCE: 0.11€ / 1 KWH = 4 192 x 0.11 = 461€  
UK: 0.15€ / 1 KWH = 4 192 x 0.15 = 629€  
GERMANY: 0.20€ / 1 KWH = 4 192 x 0.20 = 838€

**848€** annual electricity savings made  
by your customer in Germany

\* Source: Danfoss

| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -40°C                       | -35°C | -30°C | -25°C | -20°C | -15°C | -10°C |               |        |      |      |                         |                                 |
| OP-LPQM017MP | 114X3118 | P00     | MPT16LA    | G                   | 27        | -                           | 0.443 | 0.583 | 0.735 | 0.897 | 1.070 | 1.253 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | -                           | 0.396 | 0.522 | 0.661 | 0.810 | 0.971 | 1.142 | 0.441         | 0.465  | 0.95 |      | 60                      | 29                              |
|              |          |         |            |                     | 38        | -                           | 0.340 | 0.450 | 0.572 | 0.707 | 0.853 | 1.009 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.293 | 0.390 | 0.499 | 0.621 | 0.754 | 0.899 |               |        |      |      |                         |                                 |
| OP-LPQM026AJ | 114X3216 | P00     | CAJ2446Z   | G                   | 27        | 0.472                       | 0.659 | 0.881 | 1.144 | 1.447 | 1.794 | 2.184 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.408                       | 0.581 | 0.788 | 1.031 | 1.312 | 1.634 | 1.997 | 0.644         | 0.671  | 0.96 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | -                           | 0.489 | 0.675 | 0.894 | 1.148 | 1.439 | 1.769 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.414 | 0.582 | 0.780 | 1.010 | 1.275 | 1.577 |               |        |      |      |                         |                                 |
| OP-LPQM048NT | 114X3225 | P00     | NTZ048-5   | G                   | 27        | 0.771                       | 1.090 | 1.478 | 1.931 | 2.446 | 3.018 | 3.641 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.655                       | 0.948 | 1.303 | 1.718 | 2.191 | 2.717 | 3.291 | 1.053         | 0.950  | 1.11 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 0.529                       | 0.790 | 1.105 | 1.475 | 1.896 | 2.366 | 2.880 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.433                       | 0.667 | 0.950 | 1.281 | 1.660 | 2.082 | 2.545 |               |        |      |      |                         |                                 |
| OP-LPQM048NT | 114X3233 | P00     | NTZ048-4   | E                   | 27        | 0.778                       | 1.076 | 1.438 | 1.860 | 2.340 | 2.873 | 3.454 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.679                       | 0.947 | 1.273 | 1.655 | 2.092 | 2.579 | 3.112 | 1.054         | 0.981  | 1.07 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 0.572                       | 0.805 | 1.089 | 1.424 | 1.809 | 2.241 | 2.716 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.491                       | 0.695 | 0.945 | 1.242 | 1.584 | 1.969 | 2.396 |               |        |      |      |                         |                                 |
| OP-LPQM068NT | 114X3249 | P00     | NTZ068-4   | E                   | 27        | 1.001                       | 1.415 | 1.897 | 2.442 | 3.044 | 3.695 | 4.384 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.841                       | 1.221 | 1.664 | 2.166 | 2.722 | 3.324 | 3.964 | 1.362         | 1.390  | 0.98 |      | 70                      | 39                              |
|              |          |         |            |                     | 38        | -                           | 1.003 | 1.398 | 1.848 | 2.347 | 2.890 | 3.467 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.835 | 1.190 | 1.595 | 2.045 | 2.536 | 3.059 |               |        |      |      |                         |                                 |
| OP-LPQM074FH | 114X3252 | P00     | FH2511Z    | G                   | 27        | 1.062                       | 1.511 | 2.037 | 2.641 | 3.324 | 4.085 | 4.919 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.889                       | 1.310 | 1.801 | 2.365 | 3.003 | 3.713 | 4.492 | 1.458         | 1.539  | 0.95 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | -                           | 1.070 | 1.518 | 2.033 | 2.614 | 3.262 | 3.975 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.874 | 1.286 | 1.757 | 2.290 | 2.886 | 3.542 |               |        |      |      |                         |                                 |
| OP-LPQM074FH | 114X3253 | P00     | TFH2511Z   | E                   | 27        | 1.241                       | 1.667 | 2.151 | 2.688 | 3.273 | 3.897 | 4.550 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.052                       | 1.447 | 1.895 | 2.392 | 2.932 | 3.508 | 4.110 | 1.619         | 1.627  | 1.00 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 0.833                       | 1.192 | 1.597 | 2.045 | 2.530 | 3.047 | 3.586 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.659                       | 0.987 | 1.355 | 1.762 | 2.201 | 2.668 | 3.153 |               |        |      |      |                         |                                 |
| OP-LPQM068NT | 114X3241 | P00     | NTZ068-5   | G                   | 27        | 1.215                       | 1.655 | 2.158 | 2.712 | 3.299 | 3.898 | 4.484 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.056                       | 1.459 | 1.918 | 2.421 | 2.952 | 3.491 | 4.014 | 1.632         | 1.404  | 1.16 |      | 70                      | 39                              |
|              |          |         |            |                     | 38        | 0.864                       | 1.223 | 1.629 | 2.070 | 2.534 | 3.000 | 3.446 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.708                       | 1.028 | 1.388 | 1.778 | 2.184 | 2.588 | 2.969 |               |        |      |      |                         |                                 |

**LBP** This table continues on the next page

(1) **G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (dew point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

## Catalogue

## Optyma™ Plus - Performance data R452A LBP

| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -40°C                       | -35°C | -30°C | -25°C  | -20°C  | -15°C  | -10°C  |               |        |      |      |                         |                                 |
| OP-LPOM067LL | 114X3371 | P02     | LLZ013T4A  | E                   | 27        | 1.925                       | 2.483 | 3.161 | 3.970  | 4.918  | 6.013  | 7.257  | 2.692         | 2.200  | 1.34 | 1.74 | 71                      | 40                              |
|              |          |         |            |                     | 32        | 1.794                       | 2.306 | 2.929 | 3.675  | 4.553  | 5.571  | 6.733  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 1.642                       | 2.096 | 2.651 | 3.318  | 4.108  | 5.030  | 6.089  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.519                       | 1.922 | 2.418 | 3.017  | 3.731  | 4.570  | 5.541  |               |        |      |      |                         |                                 |
| OP-LPOM084LL | 114X3372 | P02     | LLZ015T4A  | E                   | 27        | 2.408                       | 3.051 | 3.812 | 4.703  | 5.732  | 6.905  | 8.225  | 3.290         | 2.741  | 1.29 | 1.70 | 73                      | 42                              |
|              |          |         |            |                     | 32        | 2.223                       | 2.820 | 3.526 | 4.351  | 5.306  | 6.398  | 7.630  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 1.997                       | 2.533 | 3.167 | 3.909  | 4.771  | 5.761  | 6.884  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.803                       | 2.286 | 2.856 | 3.526  | 4.306  | 5.206  | 6.234  |               |        |      |      |                         |                                 |
| OP-LPOM098LL | 114X3373 | P02     | LLZ018T4A  | E                   | 27        | 2.812                       | 3.560 | 4.438 | 5.457  | 6.622  | 7.938  | 9.406  | 3.840         | 3.214  | 1.27 | 1.70 | 74                      | 43                              |
|              |          |         |            |                     | 32        | 2.592                       | 3.286 | 4.098 | 5.039  | 6.118  | 7.339  | 8.704  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 2.318                       | 2.943 | 3.671 | 4.516  | 5.486  | 6.588  | 7.824  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.084                       | 2.647 | 3.302 | 4.062  | 4.937  | 5.935  | 7.061  |               |        |      |      |                         |                                 |
| OP-LPOM120LL | 114X3485 | P02     | LLZ024T4A  | E                   | 27        | 3.619                       | 4.605 | 5.778 | 7.161  | 8.770  | 10.623 | 12.731 | 4.964         | 3.961  | 1.39 | 1.88 | 78                      | 47                              |
|              |          |         |            |                     | 32        | 3.345                       | 4.266 | 5.360 | 6.650  | 8.154  | 9.889  | 11.869 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 3.005                       | 3.841 | 4.834 | 6.005  | 7.376  | 8.963  | 10.784 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.712                       | 3.472 | 4.374 | 5.442  | 6.696  | 8.155  | 9.837  |               |        |      |      |                         |                                 |
| OP-LPOM168LL | 114X3486 | P02     | LLZ034T4A  | E                   | 27        | 5.186                       | 6.570 | 8.201 | 10.101 | 12.287 | 14.769 | 17.551 | 7.077         | 5.521  | 1.38 | 1.84 | 78                      | 47                              |
|              |          |         |            |                     | 32        | 4.780                       | 6.066 | 7.578 | 9.340  | 11.369 | 13.678 | 16.274 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 4.278                       | 5.437 | 6.798 | 8.385  | 10.217 | 12.310 | 14.673 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.847                       | 4.893 | 6.120 | 7.553  | 9.214  | 11.119 | 13.281 |               |        |      |      |                         |                                 |

## LBP

(1) E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (mid point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

O = R404A/R507, R452A, R448A, R449A

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

For regular updates and detailed capacities, please refer to **Coolselector®2** software

| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -40°C                       | -35°C | -30°C | -25°C | -20°C | -15°C | -10°C |               |        |      |      |                         |                                 |
| OP-LPQM017MP | 114X3118 | P00     | MPT16LA    | G                   | 27        | -                           | 0.535 | 0.710 | 0.903 | 1.115 | 1.345 | 1.594 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | -                           | 0.480 | 0.638 | 0.816 | 1.013 | 1.228 | 1.463 | 0.540         | 0.504  | 1.07 |      | 60                      | 29                              |
|              |          |         |            |                     | 38        | -                           | 0.413 | 0.553 | 0.712 | 0.890 | 1.088 | 1.305 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.359 | 0.483 | 0.626 | 0.789 | 0.971 | 1.173 |               |        |      |      |                         |                                 |
| OP-LPQM026AJ | 114X3216 | P00     | CAJ2446Z   | G                   | 27        | 0.526                       | 0.732 | 0.978 | 1.268 | 1.606 | 1.993 | 2.432 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.455                       | 0.645 | 0.872 | 1.140 | 1.451 | 1.809 | 2.216 | 0.724         | 0.715  | 1.01 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | 0.371                       | 0.541 | 0.745 | 0.985 | 1.265 | 1.588 | 1.957 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.457 | 0.641 | 0.857 | 1.111 | 1.404 | 1.739 |               |        |      |      |                         |                                 |
| OP-LPQM048NT | 114X3225 | P00     | NTZ048-5   | G                   | 27        | 0.776                       | 1.134 | 1.568 | 2.083 | 2.677 | 3.349 | 4.098 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.651                       | 0.981 | 1.381 | 1.853 | 2.398 | 3.017 | 3.706 | 1.104         | 1.097  | 1.01 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 0.501                       | 0.798 | 1.155 | 1.576 | 2.062 | 2.615 | 3.232 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.381                       | 0.647 | 0.968 | 1.345 | 1.782 | -     | -     |               |        |      |      |                         |                                 |
| OP-LPQM048NT | 114X3233 | P00     | NTZ048-4   | E                   | 27        | 0.783                       | 1.143 | 1.572 | 2.072 | 2.645 | 3.290 | 4.007 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.670                       | 1.000 | 1.392 | 1.849 | 2.371 | 2.960 | 3.615 | 1.126         | 0.997  | 1.13 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 0.536                       | 0.831 | 1.179 | 1.583 | 2.044 | 2.565 | 3.147 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.427                       | 0.692 | 1.003 | 1.363 | 1.775 | -     | -     |               |        |      |      |                         |                                 |
| OP-LPQM074FH | 114X3253 | P00     | TFH2511Z   | E                   | 27        | 1.332                       | 1.793 | 2.348 | 2.994 | 3.730 | 4.548 | 5.440 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.189                       | 1.608 | 2.110 | 2.694 | 3.358 | 4.098 | 4.905 | 1.826         | 1.730  | 1.06 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 1.017                       | 1.388 | 1.828 | 2.338 | 2.918 | 3.564 | 4.270 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.873                       | 1.205 | 1.594 | 2.044 | 2.554 | -     | -     |               |        |      |      |                         |                                 |
| OP-LPQM074FH | 114X3252 | P00     | FH2511Z    | G                   | 27        | 1.176                       | 1.664 | 2.235 | 2.890 | 3.630 | 4.455 | 5.361 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.983                       | 1.439 | 1.971 | 2.580 | 3.268 | 4.034 | 4.877 | 1.627         | 1.662  | 0.98 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 0.756                       | 1.172 | 1.655 | 2.207 | 2.831 | 3.526 | 4.292 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.573                       | 0.955 | 1.395 | 1.899 | 2.468 | 3.102 | 3.803 |               |        |      |      |                         |                                 |
| OP-LPQM068NT | 114X3241 | P00     | NTZ068-5   | G                   | 27        | 1.177                       | 1.670 | 2.254 | 2.931 | 3.695 | 4.543 | 5.468 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.985                       | 1.434 | 1.969 | 2.588 | 3.291 | 4.074 | 4.931 | 1.620         | 1.514  | 1.07 |      | 70                      | 39                              |
|              |          |         |            |                     | 38        | 0.776                       | 1.173 | 1.646 | 2.197 | 2.825 | 3.528 | 4.301 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.620                       | 0.972 | 1.394 | 1.887 | 2.452 | 3.087 | 3.789 |               |        |      |      |                         |                                 |
| OP-LPQM068NT | 114X3249 | P00     | NTZ068-4   | E                   | 27        | 1.359                       | 1.860 | 2.443 | 3.107 | 3.852 | 4.672 | 5.563 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.172                       | 1.629 | 2.162 | 2.770 | 3.451 | 4.204 | 5.024 | 1.845         | 1.613  | 1.14 |      | 70                      | 39                              |
|              |          |         |            |                     | 38        | 0.967                       | 1.374 | 1.846 | 2.386 | 2.991 | 3.662 | 4.394 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.812                       | 1.177 | 1.599 | 2.081 | 2.623 | -     | -     |               |        |      |      |                         |                                 |

**LBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


## Catalogue

## Optyma™ Plus - Performance data R404A/R507 LBP

| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -40°C                       | -35°C | -30°C | -25°C  | -20°C  | -15°C  | -10°C  |               |        |      |      |                         |                                 |
| OP-LPOM067LL | 114X3371 | P02     | LLZ013T4A  | E                   | 27        | 2.210                       | 2.823 | 3.547 | 4.391  | 5.365  | 6.476  | 7.732  | 2.966         | 2.458  | 1.21 | 1.69 | 71                      | 40                              |
|              |          |         |            |                     | 32        | 2.024                       | 2.600 | 3.276 | 4.061  | 4.965  | 5.997  | 7.163  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 1.790                       | 2.319 | 2.934 | 3.645  | 4.462  | 5.395  | 6.451  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.586                       | 2.073 | 2.634 | 3.280  | 4.022  | 4.870  | 5.832  |               |        |      |      |                         |                                 |
| OP-LPOM084LL | 114X3372 | P02     | LLZ015T4A  | E                   | 27        | 2.654                       | 3.375 | 4.240 | 5.261  | 6.444  | 7.795  | 9.317  | 3.556         | 2.887  | 1.23 | 1.77 | 73                      | 42                              |
|              |          |         |            |                     | 32        | 2.440                       | 3.110 | 3.909 | 4.848  | 5.936  | 7.178  | 8.580  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 2.171                       | 2.777 | 3.494 | 4.332  | 5.303  | 6.412  | 7.667  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.935                       | 2.485 | 3.130 | 3.883  | 4.754  | 5.751  | 6.882  |               |        |      |      |                         |                                 |
| OP-LPOM098LL | 114X3373 | P02     | LLZ018T4A  | E                   | 27        | 3.089                       | 3.920 | 4.914 | 6.079  | 7.421  | 8.944  | 10.647 | 4.135         | 3.279  | 1.26 | 1.75 | 74                      | 43                              |
|              |          |         |            |                     | 32        | 2.837                       | 3.608 | 4.524 | 5.594  | 6.825  | 8.221  | 9.785  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 2.519                       | 3.216 | 4.035 | 4.987  | 6.082  | 7.324  | 8.719  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.241                       | 2.871 | 3.607 | 4.459  | 5.438  | 6.550  | 7.802  |               |        |      |      |                         |                                 |
| OP-LPOM120LL | 114X3485 | P02     | LLZ024T4A  | E                   | 27        | 3.997                       | 5.083 | 6.389 | 7.930  | 9.719  | 11.763 | 14.068 | 5.355         | 4.216  | 1.27 | 1.84 | 78                      | 47                              |
|              |          |         |            |                     | 32        | 3.676                       | 4.687 | 5.893 | 7.312  | 8.958  | 10.839 | 12.963 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 3.273                       | 4.188 | 5.271 | 6.540  | 8.010  | 9.692  | 11.597 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.920                       | 3.750 | 4.727 | 5.867  | 7.188  | 8.702  | 10.421 |               |        |      |      |                         |                                 |
| OP-LPOM168LL | 114X3486 | P02     | LLZ034T4A  | E                   | 27        | 5.429                       | 6.821 | 8.466 | 10.379 | 12.568 | 15.038 | 17.788 | 7.167         | 5.747  | 1.25 | 1.91 | 78                      | 47                              |
|              |          |         |            |                     | 32        | 4.953                       | 6.244 | 7.754 | 9.498  | 11.490 | 13.737 | 16.242 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 4.337                       | 5.503 | 6.848 | 8.390  | 10.143 | 12.121 | 14.332 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.776                       | 4.836 | 6.042 | 7.412  | 8.967  | 10.719 | 12.683 |               |        |      |      |                         |                                 |

## LBP

(1) E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (mid point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

O = R404A/R507, R452A, R448A, R449A

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

## Catalogue

## Optyma™ Plus - Performance data R448A/R449A LBP

| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -40°C                       | -35°C | -30°C | -25°C  | -20°C  | -15°C  | -10°C  |               |        |      |      |                         |                                 |
| OP-LPOM067LL | 114X3371 | P02     | LLZ013T4A  | E                   | 27        | 1.883                       | 2.486 | 3.211 | 4.065  | 5.047  | 6.159  | 7.398  |               |        |      |      | 71                      | 40                              |
|              |          |         |            |                     | 32        | 1.787                       | 2.344 | 3.017 | 3.810  | 4.725  | 5.763  | 6.922  | 2.688         | 2.391  | 1.12 | 1.6  |                         |                                 |
|              |          |         |            |                     | 38        | 1.681                       | 2.179 | 2.783 | 3.499  | 4.329  | 5.274  | 6.334  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.605                       | 2.047 | 2.589 | 3.237  | 3.992  | 4.857  | 5.831  |               |        |      |      |                         |                                 |
| OP-LPOM084LL | 114X3372 | P02     | LLZ015T4A  | E                   | 27        | 2.342                       | 3.123 | 4.043 | 5.111  | 6.328  | 7.694  | 9.205  |               |        |      |      | 73                      | 42                              |
|              |          |         |            |                     | 32        | 2.207                       | 2.942 | 3.806 | 4.804  | 5.942  | 7.218  | 8.632  | 3.382         | 2.947  | 1.15 | 1.64 |                         |                                 |
|              |          |         |            |                     | 38        | 2.049                       | 2.726 | 3.517 | 4.429  | 5.468  | 6.635  | 7.929  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.921                       | 2.545 | 3.272 | 4.110  | 5.064  | 6.137  | 7.330  |               |        |      |      |                         |                                 |
| OP-LPOM098LL | 114X3373 | P02     | LLZ018T4A  | E                   | 27        | 2.815                       | 3.702 | 4.760 | 5.997  | 7.419  | 9.027  | 10.820 |               |        |      |      | 74                      | 43                              |
|              |          |         |            |                     | 32        | 2.658                       | 3.493 | 4.485 | 5.644  | 6.975  | 8.482  | 10.165 | 4.002         | 3.256  | 1.23 | 1.75 |                         |                                 |
|              |          |         |            |                     | 38        | 2.471                       | 3.241 | 4.152 | 5.214  | 6.435  | 7.818  | 9.366  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.315                       | 3.028 | 3.869 | 4.849  | 5.975  | 7.253  | 8.687  |               |        |      |      |                         |                                 |
| OP-LPOM120LL | 114X3485 | P02     | LLZ024T4A  | E                   | 27        | 3.546                       | 4.552 | 5.761 | 7.190  | 8.852  | 10.751 | 12.886 |               |        |      |      | 78                      | 47                              |
|              |          |         |            |                     | 32        | 3.342                       | 4.291 | 5.420 | 6.750  | 8.294  | 10.058 | 12.044 | 4.886         | 4.058  | 1.20 | 1.65 |                         |                                 |
|              |          |         |            |                     | 38        | 3.080                       | 3.957 | 4.990 | 6.199  | 7.601  | 9.202  | 11.006 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.842                       | 3.659 | 4.610 | 5.718  | 6.999  | 8.463  | 10.114 |               |        |      |      |                         |                                 |
| OP-LPOM168LL | 114X3486 | P02     | LLZ034T4A  | E                   | 27        | 5.045                       | 6.444 | 8.114 | 10.072 | 12.322 | 14.866 | 17.696 |               |        |      |      | 78                      | 47                              |
|              |          |         |            |                     | 32        | 4.770                       | 6.075 | 7.628 | 9.447  | 11.537 | 13.903 | 16.538 | 6.908         | 5.324  | 1.30 | 1.81 |                         |                                 |
|              |          |         |            |                     | 38        | 4.432                       | 5.615 | 7.021 | 8.665  | 10.559 | 12.705 | 15.102 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 4.142                       | 5.218 | 6.494 | 7.988  | 9.712  | 11.670 | 13.864 |               |        |      |      |                         |                                 |

## LBP

(1) E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at mid point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (mid point) -35°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

O = R404A/R507, R452A, R448A, R449A

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input



| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -15°C                       | -10°C | -5°C  | 0°C   | 5°C   | 10°C  | 15°C  |               |        |      |      |                         |                                 |
| OP-MPGM033AJ | 114X4220 | P00     | CAJ4511Y   | G                   | 27        | 1.444                       | 1.835 | 2.280 | 2.786 | 3.353 | 3.984 | 4.678 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.326                       | 1.699 | 2.122 | 2.601 | 3.138 | 3.736 | 4.394 | 1.740         | 0.849  | 2.05 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | 1.180                       | 1.531 | 1.927 | 2.373 | 2.873 | 3.430 | 4.045 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.058                       | 1.389 | 1.761 | 2.180 | 2.649 | 3.171 | 3.749 |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4264 | P00     | MLZ015T4   | E                   | 27        | 1.817                       | 2.286 | 2.834 | 3.467 | 4.188 | 5.001 | 5.907 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.716                       | 2.162 | 2.685 | 3.290 | 3.980 | 4.761 | 5.632 | 2.216         | 0.983  | 2.25 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 1.597                       | 2.012 | 2.502 | 3.071 | 3.723 | 4.462 | 5.290 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.499                       | 1.886 | 2.346 | 2.883 | 3.502 | 4.205 | 4.995 |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4261 | P00     | MLZ015T5   | G                   | 27        | 1.822                       | 2.321 | 2.883 | 3.513 | 4.218 | 5.003 | 5.876 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.711                       | 2.189 | 2.730 | 3.339 | 4.023 | 4.788 | 5.639 | 2.244         | 1.033  | 2.17 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 1.580                       | 2.026 | 2.536 | 3.115 | 3.770 | 4.504 | 5.324 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.476                       | 1.890 | 2.369 | 2.919 | 3.544 | 4.250 | 5.041 |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4284 | P00     | MLZ021T4   | E                   | 27        | 2.478                       | 3.090 | 3.817 | 4.660 | 5.618 | 6.691 | 7.875 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.339                       | 2.922 | 3.614 | 4.418 | 5.333 | 6.358 | 7.490 | 2.998         | 1.289  | 2.33 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.167                       | 2.713 | 3.363 | 4.118 | 4.979 | 5.945 | 7.014 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.021                       | 2.535 | 3.147 | 3.860 | 4.674 | 5.591 | 6.606 |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4281 | P00     | MLZ021T5   | G                   | 27        | 2.465                       | 3.114 | 3.854 | 4.690 | 5.626 | 6.665 | 7.811 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.317                       | 2.933 | 3.641 | 4.446 | 5.350 | 6.358 | 7.473 | 3.010         | 1.451  | 2.07 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.143                       | 2.710 | 3.372 | 4.133 | 4.994 | 5.959 | 7.030 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.006                       | 2.524 | 3.142 | 3.859 | 4.679 | 5.603 | 6.633 |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4293 | P00     | MLZ026T4   | E                   | 27        | 2.988                       | 3.749 | 4.629 | 5.632 | 6.762 | 8.020 | 9.405 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.811                       | 3.536 | 4.375 | 5.331 | 6.409 | 7.610 | 8.932 | 3.633         | 1.591  | 2.28 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.596                       | 3.276 | 4.062 | 4.959 | 5.972 | 7.101 | 8.346 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.416                       | 3.055 | 3.795 | 4.641 | 5.596 | 6.664 | 7.843 |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4290 | P00     | MLZ026T5   | G                   | 27        | 2.981                       | 3.762 | 4.649 | 5.647 | 6.760 | 7.991 | 9.345 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.805                       | 3.540 | 4.384 | 5.339 | 6.409 | 7.597 | 8.905 | 3.639         | 1.914  | 1.90 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.601                       | 3.271 | 4.052 | 4.947 | 5.958 | 7.088 | 8.337 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.443                       | 3.048 | 3.770 | 4.608 | 5.564 | 6.638 | 7.833 |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |        |        |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|--------|--------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |        |        |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -15°C                       | -10°C  | -5°C   | 0°C    | 5°C    | 10°C   | 15°C   |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4311 | P00     | MLZ030T4   | E                   | 27        | 3.686                       | 4.631  | 5.738  | 7.016  | 8.470  | 10.104 | 11.920 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.484                       | 4.382  | 5.437  | 6.657  | 8.048  | 9.614  | 11.357 | 4.493         | 1.897  | 2.37 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.240                       | 4.078  | 5.066  | 6.213  | 7.524  | 9.005  | 10.657 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.037                       | 3.820  | 4.748  | 5.831  | 7.073  | 8.480  | 10.053 |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4308 | P00     | MLZ030T5   | G                   | 27        | 3.786                       | 4.657  | 5.752  | 7.035  | 8.471  | 10.032 | 11.692 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.642                       | 4.426  | 5.449  | 6.672  | 8.059  | 9.581  | 11.211 | 4.540         | 2.184  | 2.08 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.479                       | 4.146  | 5.072  | 6.214  | 7.534  | 9.001  | 10.586 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.356                       | 3.915  | 4.751  | 5.817  | 7.073  | 8.487  | 10.029 |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4324 | P00     | MLZ038T4   | E                   | 27        | 4.283                       | 5.388  | 6.667  | 8.129  | 9.782  | 11.630 | 13.673 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.029                       | 5.086  | 6.307  | 7.704  | 9.282  | 11.048 | 13.001 | 5.220         | 2.308  | 2.26 | 3.43 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.718                       | 4.713  | 5.863  | 7.176  | 8.663  | 10.326 | 12.170 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.454                       | 4.396  | 5.482  | 6.724  | 8.130  | 9.707  | 11.457 |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4321 | P00     | MLZ038T5   | G                   | 27        | 4.250                       | 5.469  | 6.787  | 8.230  | 9.821  | 11.578 | 13.518 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.953                       | 5.136  | 6.411  | 7.803  | 9.334  | 11.025 | 12.892 | 5.271         | 2.438  | 2.16 | 3.03 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.566                       | 4.705  | 5.926  | 7.255  | 8.715  | 10.327 | 12.107 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.225                       | 4.325  | 5.500  | 6.776  | 8.176  | 9.721  | 11.429 |               |        |      |      |                         |                                 |
| OP-MPXM108ML | 114X4344 | P00     | MLZ048T4   | E                   | 27        | 5.637                       | 7.050  | 8.708  | 10.601 | 12.721 | 15.056 | 17.592 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 5.298                       | 6.641  | 8.223  | 10.033 | 12.062 | 14.299 | 16.730 | 6.819         | 2.840  | 2.40 | 3.74 | 75                      | 44                              |
|              |          |         |            |                     | 38        | 4.889                       | 6.140  | 7.620  | 9.323  | 11.236 | 13.349 | 15.649 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 4.548                       | 5.714  | 7.104  | 8.709  | 10.520 | 12.525 | 14.711 |               |        |      |      |                         |                                 |
| OP-MPXM125ML | 114X4414 | P00     | MLZ058T4   | E                   | 27        | 6.778                       | 8.475  | 10.421 | 12.628 | 15.107 | 17.864 | 20.905 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 6.346                       | 7.978  | 9.843  | 11.956 | 14.327 | 16.964 | 19.874 | 8.189         | 3.677  | 2.23 | 3.40 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 5.815                       | 7.364  | 9.130  | 11.125 | 13.363 | 15.853 | 18.604 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 5.363                       | 6.841  | 8.519  | 10.414 | 12.539 | 14.904 | 17.519 |               |        |      |      |                         |                                 |
| OP-MPXM162ML | 114X4434 | P00     | MLZ076T4   | E                   | 27        | 8.698                       | 10.884 | 13.393 | 16.234 | 19.416 | 22.943 | 26.820 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 8.169                       | 10.246 | 12.638 | 15.353 | 18.399 | 21.782 | 25.505 | 10.523        | 4.681  | 2.25 | 3.46 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 7.544                       | 9.476  | 11.714 | 14.265 | 17.136 | 20.335 | 23.866 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 7.035                       | 8.834  | 10.931 | 13.334 | 16.052 | 19.089 | 22.451 |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input



| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -15°C                       | -10°C | -5°C  | 0°C   | 5°C   | 10°C  | 15°C  |               |        |      |      |                         |                                 |
| OP-MPGM033AJ | 114X4220 | P00     | CAJ4511Y   | G                   | 27        | 1.520                       | 1.910 | 2.357 | 2.861 | 3.424 | 4.045 | 4.722 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.392                       | 1.759 | 2.177 | 2.649 | 3.176 | 3.758 | 4.394 | 1.829         | 0.901  | 2.03 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | 1.234                       | 1.575 | 1.961 | 2.395 | 2.879 | 3.414 | 4.001 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.101                       | 1.420 | 1.780 | 2.182 | 2.631 | 3.129 | 3.674 |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4264 | P00     | MLZ015T4   | E                   | 27        | 1.941                       | 2.403 | 2.952 | 3.595 | 4.339 | 5.187 | 6.142 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.816                       | 2.256 | 2.776 | 3.386 | 4.091 | 4.897 | 5.807 | 2.344         | 1.044  | 2.24 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 1.665                       | 2.075 | 2.560 | 3.128 | 3.786 | 4.540 | 5.394 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.538                       | 1.922 | 2.376 | 2.907 | 3.524 | 4.234 | 5.041 |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4261 | P00     | MLZ015T5   | G                   | 27        | 1.918                       | 2.378 | 2.926 | 3.570 | 4.318 | 5.173 | 6.138 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.801                       | 2.238 | 2.756 | 3.365 | 4.071 | 4.880 | 5.796 | 2.326         | 1.063  | 2.19 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 1.657                       | 2.066 | 2.547 | 3.112 | 3.768 | 4.521 | 5.376 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.534                       | 1.918 | 2.369 | 2.896 | 3.509 | 4.215 | 5.019 |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4284 | P00     | MLZ021T4   | E                   | 27        | 2.627                       | 3.249 | 3.975 | 4.812 | 5.765 | 6.838 | 8.030 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.448                       | 3.043 | 3.734 | 4.530 | 5.437 | 6.457 | 7.594 | 3.167         | 1.372  | 2.31 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.227                       | 2.786 | 3.434 | 4.179 | 5.027 | 5.984 | 7.053 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.037                       | 2.565 | 3.174 | 3.875 | 4.674 | 5.577 | 6.588 |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4281 | P00     | MLZ021T5   | G                   | 27        | 2.553                       | 3.167 | 3.887 | 4.720 | 5.671 | 6.744 | 7.938 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.390                       | 2.978 | 3.664 | 4.455 | 5.359 | 6.379 | 7.516 | 3.101         | 1.572  | 1.97 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.188                       | 2.741 | 3.383 | 4.123 | 4.968 | 5.923 | 6.991 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.015                       | 2.536 | 3.140 | 3.835 | 4.629 | 5.529 | 6.538 |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4293 | P00     | MLZ026T4   | E                   | 27        | 3.198                       | 3.959 | 4.836 | 5.832 | 6.952 | 8.198 | 9.567 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.967                       | 3.698 | 4.535 | 5.485 | 6.552 | 7.738 | 9.043 | 3.853         | 1.684  | 2.29 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.678                       | 3.369 | 4.157 | 5.049 | 6.050 | 7.162 | 8.389 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.430                       | 3.085 | 3.829 | 4.669 | 5.613 | 6.663 | 7.823 |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4290 | P00     | MLZ026T5   | G                   | 27        | 3.139                       | 3.884 | 4.748 | 5.736 | 6.852 | 8.095 | 9.463 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.936                       | 3.648 | 4.469 | 5.406 | 6.462 | 7.639 | 8.937 | 3.803         | 1.859  | 2.05 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.683                       | 3.353 | 4.120 | 4.992 | 5.976 | 7.073 | 8.284 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.464                       | 3.096 | 3.816 | 4.634 | 5.555 | 6.583 | 7.722 |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |        |        |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|--------|--------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |        |        |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -15°C                       | -10°C  | -5°C   | 0°C    | 5°C    | 10°C   | 15°C   |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4311 | P00     | MLZ030T4   | E                   | 27        | 3.996                       | 4.933  | 6.037  | 7.321  | 8.796  | 10.469 | 12.343 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.750                       | 4.646  | 5.697  | 6.918  | 8.321  | 9.913  | 11.700 | 4.830         | 1.951  | 2.48 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.443                       | 4.285  | 5.269  | 6.411  | 7.723  | 9.215  | 10.894 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.178                       | 3.971  | 4.896  | 5.969  | 7.203  | 8.609  | 10.197 |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4308 | P00     | MLZ030T5   | G                   | 27        | 3.939                       | 4.851  | 5.924  | 7.172  | 8.605  | 10.231 | 12.054 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.685                       | 4.557  | 5.580  | 6.768  | 8.132  | 9.683  | 11.424 | 4.737         | 2.094  | 2.26 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.369                       | 4.189  | 5.147  | 6.260  | 7.539  | 8.995  | 10.636 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.098                       | 3.870  | 4.772  | 5.819  | 7.024  | 8.399  | 9.953  |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4324 | P00     | MLZ038T4   | E                   | 27        | 4.678                       | 5.758  | 7.025  | 8.494  | 10.173 | 12.069 | 14.184 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.380                       | 5.410  | 6.614  | 8.007  | 9.600  | 11.400 | 13.412 | 5.627         | 2.217  | 2.54 | 3.82 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 4.011                       | 4.975  | 6.099  | 7.398  | 8.884  | 10.568 | 12.454 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.694                       | 4.601  | 5.655  | 6.872  | 8.267  | 9.850  | 11.630 |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4321 | P00     | MLZ038T5   | G                   | 27        | 4.597                       | 5.682  | 6.956  | 8.432  | 10.120 | 12.025 | 14.149 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.312                       | 5.348  | 6.559  | 7.959  | 9.560  | 11.369 | 13.389 | 5.565         | 2.517  | 2.21 | 3.18 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.957                       | 4.930  | 6.062  | 7.369  | 8.862  | 10.553 | 12.446 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.650                       | 4.568  | 5.631  | 6.857  | 8.259  | 9.849  | 11.635 |               |        |      |      |                         |                                 |
| OP-MPXM108ML | 114X4344 | P00     | MLZ048T4   | E                   | 27        | 6.082                       | 7.496  | 9.139  | 11.024 | 13.160 | 15.548 | 18.187 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 5.659                       | 7.007  | 8.569  | 10.359 | 12.387 | 14.658 | 17.173 | 7.300         | 3.095  | 2.36 | 3.73 | 75                      | 44                              |
|              |          |         |            |                     | 38        | 5.137                       | 6.402  | 7.862  | 9.534  | 11.429 | 13.556 | 15.919 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 4.691                       | 5.882  | 7.254  | 8.823  | 10.604 | 12.608 | 14.842 |               |        |      |      |                         |                                 |
| OP-MPXM125ML | 114X4414 | P00     | MLZ058T4   | E                   | 27        | 7.297                       | 9.016  | 11.023 | 13.339 | 15.977 | 18.944 | 22.242 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 6.816                       | 8.459  | 10.371 | 12.573 | 15.080 | 17.902 | 21.044 | 8.802         | 3.582  | 2.46 | 3.66 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 6.216                       | 7.763  | 9.554  | 11.613 | 13.958 | 16.602 | 19.552 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 5.700                       | 7.160  | 8.845  | 10.781 | 12.986 | 15.478 | 18.266 |               |        |      |      |                         |                                 |
| OP-MPXM162ML | 114X4434 | P00     | MLZ076T4   | E                   | 27        | 8.919                       | 11.065 | 13.551 | 16.392 | 19.595 | 23.158 | 27.073 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 8.289                       | 10.331 | 12.687 | 15.374 | 18.402 | 21.774 | 25.487 | 10.765        | 5.060  | 2.13 | 3.15 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 7.516                       | 9.428  | 11.622 | 14.120 | 16.935 | 20.075 | 23.543 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 6.858                       | 8.656  | 10.712 | 13.048 | 15.682 | 18.626 | 21.888 |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input



| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |        |        |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|--------|--------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |        |        |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -20°C                       | -15°C  | -10°C  | -5°C   | 0°C    | 5°C    | 10°C   |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4264 | P00     | MLZ015T4   | E                   | 27        | 2.372                       | 2.942  | 3.595  | 4.338  | 5.175  | 6.110  | 7.142  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.193                       | 2.731  | 3.348  | 4.050  | 4.843  | 5.729  | 6.711  | 3.409         | 1.647  | 2.07 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 1.965                       | 2.464  | 3.035  | 3.685  | 4.422  | 5.248  | 6.169  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 2.229  | 2.759  | 3.365  | 4.053  | 4.828  | 5.696  |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4261 | P00     | MLZ015T5   | G                   | 27        | 2.360                       | 2.934  | 3.592  | 4.340  | 5.182  | 6.120  | 7.153  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.195                       | 2.736  | 3.356  | 4.061  | 4.856  | 5.743  | 6.725  | 3.418         | 1.604  | 2.13 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 1.992                       | 2.491  | 3.063  | 3.715  | 4.451  | 5.277  | 6.194  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 2.283  | 2.812  | 3.416  | 4.102  | 4.875  | 5.737  |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4284 | P00     | MLZ021T4   | E                   | 27        | 3.178                       | 3.933  | 4.791  | 5.759  | 6.840  | 8.035  | 9.343  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.930                       | 3.640  | 4.446  | 5.355  | 6.372  | 7.499  | 8.738  | 4.535         | 2.237  | 2.03 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.622                       | 3.274  | 4.014  | 4.850  | 5.788  | 6.832  | 7.985  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 2.957  | 3.639  | 4.411  | 5.281  | 6.254  | 7.335  |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4281 | P00     | MLZ021T5   | G                   | 27        | 3.182                       | 3.942  | 4.809  | 5.791  | 6.890  | 8.108  | 9.445  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.949                       | 3.663  | 4.477  | 5.400  | 6.437  | 7.589  | 8.858  | 4.568         | 2.352  | 1.94 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.665                       | 3.318  | 4.065  | 4.914  | 5.871  | 6.941  | 8.127  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 3.025  | 3.713  | 4.496  | 5.384  | 6.382  | 7.495  |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4293 | P00     | MLZ026T4   | E                   | 27        | 3.811                       | 4.724  | 5.742  | 6.868  | 8.104  | 9.450  | 10.901 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.473                       | 4.333  | 5.289  | 6.345  | 7.506  | 8.770  | 10.138 | 5.406         | 2.940  | 1.84 | 3.15 | 68                      | 37                              |
|              |          |         |            |                     | 38        | 3.048                       | 3.841  | 4.718  | 5.688  | 6.754  | 7.919  | 9.186  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 3.412  | 4.221  | 5.114  | 6.099  | 7.179  | 8.360  |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4290 | P00     | MLZ026T5   | G                   | 27        | 3.863                       | 4.769  | 5.790  | 6.932  | 8.193  | 9.572  | 11.064 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.561                       | 4.404  | 5.354  | 6.416  | 7.593  | 8.883  | 10.284 | 5.475         | 3.082  | 1.78 | 2.93 | 68                      | 37                              |
|              |          |         |            |                     | 38        | 3.185                       | 3.945  | 4.803  | 5.766  | 6.836  | 8.016  | 9.306  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 3.548  | 4.323  | 5.197  | 6.175  | 7.260  | 8.454  |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4308 | P00     | MLZ030T5   | G                   | 27        | 4.812                       | 5.958  | 7.265  | 8.744  | 10.404 | 12.248 | 14.278 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.447                       | 5.529  | 6.761  | 8.157  | 9.726  | 11.473 | 13.403 | 6.890         | 3.266  | 2.11 | 3.30 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.993                       | 4.993  | 6.132  | 7.424  | 8.879  | 10.507 | 12.313 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 4.531  | 5.587  | 6.788  | 8.146  | 9.671  | 11.373 |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4311 | P00     | MLZ030T4   | E                   | 27        | 4.860                       | 5.997  | 7.295  | 8.767  | 10.419 | 12.259 | 14.287 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.485                       | 5.559  | 6.783  | 8.172  | 9.734  | 11.476 | 13.402 | 6.911         | 3.138  | 2.20 | 3.48 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 4.012                       | 5.003  | 6.134  | 7.418  | 8.867  | 10.490 | 12.292 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 4.516  | 5.564  | 6.758  | 8.109  | 9.629  | 11.326 |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4321 | P00     | MLZ038T5   | G                   | 27        | 5.554                       | 6.850  | 8.310  | 9.943  | 11.753 | 13.739 | 15.900 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 5.167                       | 6.388  | 7.759  | 9.290  | 10.988 | 12.855 | 14.891 | 7.919         | 3.985  | 1.99 | 3.07 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 4.680                       | 5.803  | 7.062  | 8.467  | 10.027 | 11.747 | 13.631 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 5.292  | 6.452  | 7.747  | 9.188  | 10.783 | 12.539 |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4324 | P00     | MLZ038T4   | E                   | 27        | 5.654                       | 6.949  | 8.417  | 10.066 | 11.901 | 13.922 | 16.126 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 5.214                       | 6.433  | 7.812  | 9.361  | 11.088 | 12.995 | 15.081 | 7.969         | 3.716  | 2.14 | 3.49 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 4.667                       | 5.786  | 7.053  | 8.479  | 10.073 | 11.838 | 13.779 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 5.227  | 6.395  | 7.714  | 9.192  | 10.836 | 12.654 |               |        |      |      |                         |                                 |
| OP-MPXM108ML | 114X4344 | P00     | MLZ048T4   | E                   | 27        | 7.357                       | 9.067  | 10.997 | 13.154 | 15.541 | 18.156 | 20.992 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 6.775                       | 8.377  | 10.182 | 12.201 | 14.439 | 16.897 | 19.572 | 10.403        | 5.300  | 1.96 | 3.31 | 75                      | 44                              |
|              |          |         |            |                     | 38        | 6.050                       | 7.513  | 9.161  | 11.008 | 13.061 | 15.326 | 17.804 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 6.764  | 8.274  | 9.971  | 11.865 | 13.964 | 16.275 |               |        |      |      |                         |                                 |
| OP-MPXM125ML | 114X4414 | P00     | MLZ058T4   | E                   | 27        | 8.752                       | 10.784 | 13.088 | 15.678 | 18.560 | 21.734 | 25.194 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 8.094                       | 10.001 | 12.160 | 14.589 | 17.297 | 20.286 | 23.558 | 12.411        | 5.856  | 2.12 | 3.42 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 7.274                       | 9.018  | 10.993 | 13.220 | 15.711 | 18.474 | 21.514 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 8.166  | 9.979  | 12.030 | 14.333 | 16.901 | 19.744 |               |        |      |      |                         |                                 |
| OP-MPXM162ML | 114X4434 | P00     | MLZ076T4   | E                   | 27        | 10.583                      | 13.218 | 16.207 | 19.567 | 23.303 | 27.413 | 31.890 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 9.654                       | 12.132 | 14.943 | 18.105 | 21.627 | 25.514 | 29.760 | 15.258        | 7.988  | 1.91 | 3.13 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 8.496                       | 10.769 | 13.351 | 16.263 | 19.520 | 23.128 | 27.093 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 9.587  | 11.965 | 14.658 | 17.683 | 21.051 | 24.775 |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -20°C                       | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C  |               |        |      |      |                         |                                 |
| OP-MPYM008MY | 114X4119 | P00     | MLY80RAb   | G                   | 27        | -                           | 0.632 | 0.822 | 1.025 | 1.240 | 1.467 | -     |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | -                           | 0.574 | 0.749 | 0.937 | 1.138 | 1.351 | -     | 0.760         | 0.393  | 1.93 |      | 60                      | 29                              |
|              |          |         |            |                     | 38        | -                           | 0.504 | 0.661 | 0.831 | 1.015 | 1.211 | -     |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.447 | 0.588 | 0.744 | 0.913 | 1.095 | -     |               |        |      |      |                         |                                 |
| OP-MPYM009MY | 114X4120 | P00     | MLY90RAb   | G                   | 27        | -                           | 0.668 | 0.878 | 1.098 | 1.327 | 1.566 | -     |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | -                           | 0.609 | 0.801 | 1.004 | 1.217 | 1.441 | -     | 0.813         | 0.430  | 1.89 |      | 61                      | 30                              |
|              |          |         |            |                     | 38        | -                           | 0.540 | 0.710 | 0.892 | 1.086 | 1.290 | -     |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.482 | 0.635 | 0.800 | 0.976 | 1.164 | -     |               |        |      |      |                         |                                 |
| OP-MPYM012MP | 114X4121 | P00     | MPT12RA    | G                   | 27        | -                           | 0.930 | 1.198 | 1.478 | 1.768 | 2.067 | -     |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | -                           | 0.848 | 1.095 | 1.353 | 1.623 | 1.902 | -     | 1.112         | 0.589  | 1.89 |      | 63                      | 32                              |
|              |          |         |            |                     | 38        | -                           | 0.751 | 0.971 | 1.204 | 1.449 | 1.705 | -     |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.670 | 0.868 | 1.080 | 1.304 | 1.541 | -     |               |        |      |      |                         |                                 |
| OP-MPYM014MP | 114X4122 | P00     | MPT14RA    | G                   | 27        | -                           | 0.978 | 1.251 | 1.544 | 1.859 | 2.193 | -     |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | -                           | 0.896 | 1.147 | 1.421 | 1.716 | 2.032 | -     | 1.166         | 0.729  | 1.60 |      | 60                      | 29                              |
|              |          |         |            |                     | 38        | -                           | 0.799 | 1.024 | 1.273 | 1.544 | 1.838 | -     |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.718 | 0.922 | 1.150 | 1.401 | 1.676 | -     |               |        |      |      |                         |                                 |
| OP-MPBM018AJ | 114X4230 | P00     | CAJ9510Z   | G                   | 27        | 0.932                       | 1.233 | 1.594 | 2.022 | 2.527 | 3.114 | 3.791 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.854                       | 1.134 | 1.469 | 1.868 | 2.339 | 2.889 | 3.524 | 1.491         | 0.781  | 1.91 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | -                           | 1.015 | 1.321 | 1.685 | 2.117 | 2.622 | 3.209 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.916 | 1.199 | 1.535 | 1.934 | 2.404 | 2.950 |               |        |      |      |                         |                                 |
| OP-MPBM024AJ | 114X4200 | P00     | CAJ9513Z   | G                   | 27        | 1.153                       | 1.549 | 2.021 | 2.577 | 3.222 | 3.960 | 4.796 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.041                       | 1.409 | 1.847 | 2.363 | 2.964 | 3.655 | 4.439 | 1.876         | 0.902  | 2.08 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | -                           | 1.244 | 1.643 | 2.113 | 2.663 | 3.297 | 4.021 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 1.107 | 1.475 | 1.909 | 2.417 | 3.006 | 3.679 |               |        |      |      |                         |                                 |
| OP-MPBM026AJ | 114X4212 | P00     | CAJ4517Z   | G                   | 27        | 1.321                       | 1.737 | 2.227 | 2.802 | 3.469 | 4.235 | 5.103 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.203                       | 1.591 | 2.047 | 2.582 | 3.205 | 3.923 | 4.739 | 2.080         | 1.009  | 2.06 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | -                           | 1.416 | 1.833 | 2.323 | 2.894 | 3.554 | 4.309 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 1.271 | 1.657 | 2.109 | 2.638 | 3.252 | 3.956 |               |        |      |      |                         |                                 |
| OP-MPBM026AJ | 114X4213 | P00     | TAJ4517Z   | E                   | 27        | 1.298                       | 1.730 | 2.233 | 2.819 | 3.495 | 4.268 | 5.144 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.169                       | 1.575 | 2.048 | 2.597 | 3.232 | 3.960 | 4.785 | 2.081         | 1.059  | 1.97 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | -                           | 1.388 | 1.824 | 2.330 | 2.917 | 3.590 | 4.356 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 1.231 | 1.637 | 2.109 | 2.654 | 3.283 | 4.000 |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |       |       |       |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -20°C                       | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C   |               |        |      |      |                         |                                 |
| OP-MPBM034AJ | 114X4227 | P00     | TAJ4519Z   | E                   | 27        | 1.657                       | 2.175 | 2.778 | 3.474 | 4.273 | 5.179 | 6.195  | 2.606         | 1.346  | 1.94 |      | 67                      | 36                              |
|              |          |         |            |                     | 32        | 1.510                       | 1.997 | 2.561 | 3.213 | 3.962 | 4.812 | 5.768  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | -                           | 1.781 | 2.302 | 2.903 | 3.592 | 4.378 | 5.263  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 1.599 | 2.086 | 2.645 | 3.287 | 4.019 | 4.846  |               |        |      |      |                         |                                 |
| OP-MPBM034AJ | 114X4226 | P00     | CAJ4519Z   | G                   | 27        | 1.650                       | 2.185 | 2.805 | 3.521 | 4.340 | 5.269 | 6.309  | 2.627         | 1.416  | 1.86 |      | 67                      | 36                              |
|              |          |         |            |                     | 32        | 1.498                       | 2.000 | 2.581 | 3.251 | 4.018 | 4.889 | 5.866  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | -                           | 1.776 | 2.310 | 2.925 | 3.630 | 4.431 | 5.333  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 1.588 | 2.083 | 2.652 | 3.306 | 4.050 | 4.889  |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4264 | P00     | MLZ015T4   | E                   | 27        | 2.367                       | 2.937 | 3.590 | 4.334 | 5.172 | 6.108 | 7.142  | 3.409         | 1.647  | 2.07 |      | 68                      | 37                              |
|              |          |         |            |                     | 32        | 2.187                       | 2.726 | 3.343 | 4.046 | 4.839 | 5.727 | 6.711  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 1.960                       | 2.458 | 3.029 | 3.681 | 4.418 | 5.246 | 6.169  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 2.224 | 2.754 | 3.360 | 4.049 | 4.826 | 5.696  |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4261 | P00     | MLZ015T5   | G                   | 27        | 2.355                       | 2.929 | 3.587 | 4.336 | 5.179 | 6.118 | 7.153  | 3.418         | 1.604  | 2.13 |      | 68                      | 37                              |
|              |          |         |            |                     | 32        | 2.189                       | 2.731 | 3.351 | 4.057 | 4.852 | 5.741 | 6.725  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 1.987                       | 2.486 | 3.058 | 3.710 | 4.447 | 5.274 | 6.194  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 2.277 | 2.807 | 3.412 | 4.098 | 4.872 | 5.737  |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4284 | P00     | MLZ021T4   | E                   | 27        | 3.171                       | 3.926 | 4.785 | 5.753 | 6.835 | 8.032 | 9.343  | 4.535         | 2.237  | 2.03 |      | 68                      | 37                              |
|              |          |         |            |                     | 32        | 2.923                       | 3.633 | 4.439 | 5.349 | 6.367 | 7.497 | 8.738  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 2.615                       | 3.267 | 4.007 | 4.843 | 5.783 | 6.829 | 7.985  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 2.950 | 3.632 | 4.405 | 5.276 | 6.251 | 7.335  |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4281 | P00     | MLZ021T5   | G                   | 27        | 3.175                       | 3.935 | 4.802 | 5.785 | 6.885 | 8.106 | 9.445  | 4.568         | 2.352  | 1.94 |      | 68                      | 37                              |
|              |          |         |            |                     | 32        | 2.942                       | 3.655 | 4.470 | 5.394 | 6.432 | 7.586 | 8.858  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 2.657                       | 3.311 | 4.058 | 4.908 | 5.866 | 6.938 | 8.127  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 3.018 | 3.705 | 4.490 | 5.379 | 6.379 | 7.495  |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4293 | P00     | MLZ026T4   | E                   | 27        | 3.803                       | 4.716 | 5.734 | 6.861 | 8.099 | 9.446 | 10.901 | 5.406         | 2.940  | 1.84 | 3.15 | 68                      | 37                              |
|              |          |         |            |                     | 32        | 3.464                       | 4.325 | 5.281 | 6.338 | 7.500 | 8.767 | 10.138 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 3.040                       | 3.832 | 4.710 | 5.680 | 6.748 | 7.916 | 9.186  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 3.403 | 4.213 | 5.107 | 6.093 | 7.176 | 8.360  |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4290 | P00     | MLZ026T5   | G                   | 27        | 3.855                       | 4.760 | 5.782 | 6.924 | 8.188 | 9.569 | 11.064 | 5.475         | 3.082  | 1.78 | 2.93 | 68                      | 37                              |
|              |          |         |            |                     | 32        | 3.553                       | 4.395 | 5.345 | 6.409 | 7.587 | 8.880 | 10.284 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 38        | 3.176                       | 3.936 | 4.795 | 5.758 | 6.830 | 8.013 | 9.306  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 3.539 | 4.315 | 5.190 | 6.169 | 7.257 | 8.454  |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software




| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |        |        |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|--------|--------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |        |        |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -20°C                       | -15°C  | -10°C  | -5°C   | 0°C    | 5°C    | 10°C   |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4308 | P00     | MLZ030T5   | G                   | 27        | 4.802                       | 5.948  | 7.255  | 8.735  | 10.397 | 12.244 | 14.278 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.436                       | 5.518  | 6.751  | 8.148  | 9.719  | 11.469 | 13.403 | 6.890         | 3.266  | 2.11 | 3.30 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.983                       | 4.982  | 6.121  | 7.414  | 8.872  | 10.503 | 12.313 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 4.520  | 5.577  | 6.779  | 8.139  | 9.667  | 11.373 |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4311 | P00     | MLZ030T4   | E                   | 27        | 4.849                       | 5.986  | 7.285  | 8.758  | 10.412 | 12.255 | 14.287 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.475                       | 5.548  | 6.773  | 8.163  | 9.727  | 11.472 | 13.402 | 6.911         | 3.138  | 2.20 | 3.48 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 4.001                       | 4.992  | 6.123  | 7.409  | 8.860  | 10.486 | 12.292 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 4.505  | 5.553  | 6.748  | 8.102  | 9.625  | 11.326 |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4321 | P00     | MLZ038T5   | G                   | 27        | 5.542                       | 6.838  | 8.298  | 9.933  | 11.744 | 13.735 | 15.900 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 5.155                       | 6.375  | 7.747  | 9.279  | 10.980 | 12.850 | 14.891 | 7.919         | 3.985  | 1.99 | 3.07 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 4.667                       | 5.790  | 7.049  | 8.456  | 10.018 | 11.742 | 13.631 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 5.279  | 6.439  | 7.736  | 9.180  | 10.778 | 12.539 |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4324 | P00     | MLZ038T4   | E                   | 27        | 5.641                       | 6.937  | 8.405  | 10.056 | 11.893 | 13.917 | 16.126 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 5.202                       | 6.420  | 7.800  | 9.351  | 11.080 | 12.990 | 15.081 | 7.969         | 3.716  | 2.14 | 3.49 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 4.654                       | 5.774  | 7.041  | 8.469  | 10.064 | 11.833 | 13.779 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 5.214  | 6.383  | 7.703  | 9.183  | 10.832 | 12.654 |               |        |      |      |                         |                                 |
| OP-MPXM108ML | 114X4344 | P00     | MLZ048T4   | E                   | 27        | 7.341                       | 9.051  | 10.981 | 13.140 | 15.530 | 18.149 | 20.992 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 6.758                       | 8.360  | 10.166 | 12.187 | 14.428 | 16.891 | 19.572 | 10.403        | 5.300  | 1.96 | 3.31 | 75                      | 44                              |
|              |          |         |            |                     | 38        | 6.033                       | 7.496  | 9.145  | 10.994 | 13.050 | 15.319 | 17.804 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 6.748  | 8.258  | 9.957  | 11.854 | 13.958 | 16.275 |               |        |      |      |                         |                                 |
| OP-MPXM125ML | 114X4414 | P00     | MLZ058T4   | E                   | 27        | 8.733                       | 10.765 | 13.070 | 15.662 | 18.547 | 21.726 | 25.194 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 8.075                       | 9.981  | 12.142 | 14.573 | 17.284 | 20.279 | 23.558 | 12.411        | 5.856  | 2.12 | 3.42 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 7.255                       | 8.998  | 10.974 | 13.204 | 15.698 | 18.466 | 21.514 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 8.146  | 9.960  | 12.013 | 14.320 | 16.893 | 19.744 |               |        |      |      |                         |                                 |
| OP-MPXM162ML | 114X4434 | P00     | MLZ076T4   | E                   | 27        | 10.560                      | 13.195 | 16.185 | 19.547 | 23.287 | 27.404 | 31.890 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 9.631                       | 12.108 | 14.920 | 18.084 | 21.611 | 25.504 | 29.760 | 15.258        | 7.988  | 1.91 | 3.13 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 8.473                       | 10.745 | 13.328 | 16.243 | 19.504 | 23.119 | 27.093 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 9.564  | 11.942 | 14.638 | 17.667 | 21.042 | 24.775 |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input



| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -20°C                       | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C  |               |        |      |      |                         |                                 |
| OP-MPBM018AJ | 114X4230 | P00     | CAJ9510Z   | G                   | 27        | 0.957                       | 1.220 | 1.526 | 1.879 | 2.280 | 2.732 | 3.234 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 0.867                       | 1.111 | 1.393 | 1.718 | 2.088 | 2.506 | 2.971 | 1.457         | 0.887  | 1.64 |      | 64                      | 33                              |
|              |          |         |            |                     | 38        | 0.758                       | 0.978 | 1.231 | 1.523 | 1.856 | 2.233 | 2.654 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.665                       | 0.866 | 1.095 | 1.359 | 1.660 | -     | -     |               |        |      |      |                         |                                 |
| OP-MPBM024AJ | 114X4200 | P00     | CAJ9513Z   | G                   | 27        | 1.194                       | 1.550 | 1.962 | 2.434 | 2.967 | 3.559 | 4.210 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.069                       | 1.398 | 1.778 | 2.213 | 2.704 | 3.253 | 3.856 | 1.858         | 1.018  | 1.83 |      | 64                      | 33                              |
|              |          |         |            |                     | 38        | 0.919                       | 1.215 | 1.557 | 1.948 | 2.390 | 2.885 | 3.432 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.792                       | 1.062 | 1.372 | 1.726 | 2.127 | -     | -     |               |        |      |      |                         |                                 |
| OP-MPBM026AJ | 114X4212 | P00     | CAJ4517Z   | G                   | 27        | 1.364                       | 1.733 | 2.156 | 2.639 | 3.185 | 3.792 | 4.460 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.230                       | 1.571 | 1.963 | 2.408 | 2.912 | 3.474 | 4.094 | 2.053         | 1.144  | 1.80 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | 1.068                       | 1.377 | 1.729 | 2.129 | 2.583 | 3.090 | 3.652 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.932                       | 1.214 | 1.533 | 1.895 | 2.306 | -     | -     |               |        |      |      |                         |                                 |
| OP-MPBM026AJ | 114X4213 | P00     | TAJ4517Z   | E                   | 27        | 1.331                       | 1.717 | 2.155 | 2.649 | 3.204 | 3.819 | 4.494 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.186                       | 1.547 | 1.954 | 2.413 | 2.927 | 3.498 | 4.126 | 2.044         | 1.200  | 1.70 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | 1.009                       | 1.340 | 1.709 | 2.125 | 2.590 | 3.108 | 3.677 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 0.863                       | 1.166 | 1.504 | 1.882 | 2.306 | -     | -     |               |        |      |      |                         |                                 |
| OP-MPBM034AJ | 114X4227 | P00     | TAJ4519Z   | E                   | 27        | 1.729                       | 2.199 | 2.732 | 3.335 | 4.010 | 4.758 | 5.576 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.559                       | 1.999 | 2.495 | 3.053 | 3.678 | 4.371 | 5.129 | 2.612         | 1.517  | 1.72 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 1.352                       | 1.754 | 2.204 | 2.710 | 3.275 | 3.901 | 4.587 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.174                       | 1.545 | 1.957 | 2.418 | 2.932 | -     | -     |               |        |      |      |                         |                                 |
| OP-MPBM034AJ | 114X4226 | P00     | CAJ4519Z   | G                   | 27        | 1.723                       | 2.213 | 2.768 | 3.393 | 4.093 | 4.868 | 5.713 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.549                       | 2.006 | 2.520 | 3.099 | 3.746 | 4.461 | 5.244 | 2.639         | 1.589  | 1.66 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 1.337                       | 1.753 | 2.217 | 2.738 | 3.320 | 3.964 | 4.670 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.160                       | 1.540 | 1.961 | 2.433 | 2.959 | -     | -     |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4264 | P00     | MLZ015T4   | E                   | 27        | 2.416                       | 2.968 | 3.599 | 4.314 | 5.115 | 6.001 | 6.972 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.235                       | 2.745 | 3.328 | 3.990 | 4.734 | 5.560 | 6.471 | 3.490         | 1.727  | 2.02 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 2.013                       | 2.470 | 2.995 | 3.591 | 4.264 | 5.017 | 5.854 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.823                       | 2.235 | 2.708 | 3.248 | 3.861 | -     | -     |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4261 | P00     | MLZ015T5   | G                   | 27        | 2.435                       | 2.988 | 3.622 | 4.341 | 5.145 | 6.036 | 7.014 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.250                       | 2.762 | 3.350 | 4.017 | 4.767 | 5.602 | 6.521 | 3.512         | 1.744  | 2.01 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 2.020                       | 2.480 | 3.010 | 3.613 | 4.295 | 5.059 | 5.907 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.824                       | 2.237 | 2.715 | 3.263 | 3.886 | -     | -     |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4284 | P00     | MLZ021T4   | E                   | 27        | 3.254                       | 4.003 | 4.854 | 5.810 | 6.873 | 8.042 | 9.315 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.989                       | 3.684 | 4.473 | 5.361 | 6.351 | 7.444 | 8.641 | 4.695         | 2.310  | 2.03 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 2.662                       | 3.289 | 4.001 | 4.804 | 5.703 | 6.702 | 7.806 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.382                       | 2.948 | 3.592 | 4.322 | 5.143 | -     | -     |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4281 | P00     | MLZ021T5   | G                   | 27        | 3.273                       | 4.021 | 4.867 | 5.814 | 6.863 | 8.011 | 9.258 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.021                       | 3.712 | 4.495 | 5.371 | 6.344 | 7.414 | 8.580 | 4.720         | 2.422  | 1.95 |      | 69                      | 38                              |
|              |          |         |            |                     | 38        | 2.708                       | 3.328 | 4.030 | 4.818 | 5.697 | 6.669 | 7.737 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.440                       | 2.996 | 3.626 | 4.337 | 5.135 | -     | -     |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |        |        |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|--------|--------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |        |        |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -20°C                       | -15°C  | -10°C  | -5°C   | 0°C    | 5°C    | 10°C   |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4290 | P00     | MLZ026T5   | G                   | 27        | 4.063                       | 4.991  | 6.034  | 7.195  | 8.472  | 9.863  | 11.365 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.748                       | 4.604  | 5.566  | 6.636  | 7.816  | 9.106  | 10.503 | 5.848         | 2.956  | 1.98 | 3.16 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.354                       | 4.120  | 4.979  | 5.936  | 6.996  | 8.159  | 9.430  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.013                       | 3.698  | 4.467  | 5.326  | 6.282  | -      | -      |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4293 | P00     | MLZ026T4   | E                   | 27        | 4.035                       | 4.949  | 5.981  | 7.135  | 8.410  | 9.805  | 11.316 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.694                       | 4.539  | 5.493  | 6.560  | 7.741  | 9.038  | 10.450 | 5.766         | 2.859  | 2.02 | 3.37 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 3.267                       | 4.023  | 4.877  | 5.834  | 6.900  | 8.077  | 9.367  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.895                       | 3.571  | 4.337  | 5.200  | 6.165  | -      | -      |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4308 | P00     | MLZ030T5   | G                   | 27        | 4.934                       | 6.035  | 7.292  | 8.710  | 10.292 | 12.035 | 13.938 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.560                       | 5.576  | 6.736  | 8.048  | 9.515  | 11.139 | 12.921 | 7.070         | 3.502  | 2.02 | 3.21 | 70                      | 39                              |
|              |          |         |            |                     | 38        | 4.098                       | 5.007  | 6.046  | 7.224  | 8.550  | 10.027 | 11.662 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.702                       | 4.516  | 5.449  | 6.513  | 7.717  | -      | -      |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4311 | P00     | MLZ030T4   | E                   | 27        | 4.911                       | 6.018  | 7.288  | 8.727  | 10.338 | 12.120 | 14.073 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.537                       | 5.559  | 6.731  | 8.063  | 9.559  | 11.223 | 13.055 | 7.062         | 3.363  | 2.1  | 3.39 | 70                      | 39                              |
|              |          |         |            |                     | 38        | 4.079                       | 4.993  | 6.044  | 7.242  | 8.597  | 10.115 | 11.801 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.690                       | 4.508  | 5.453  | 6.537  | 7.771  | -      | -      |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4321 | P00     | MLZ038T5   | G                   | 27        | 5.708                       | 7.011  | 8.488  | 10.142 | 11.976 | 13.987 | 16.172 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 5.241                       | 6.449  | 7.818  | 9.354  | 11.060 | 12.938 | 14.989 | 8.209         | 4.157  | 1.97 | 3.14 | 70                      | 39                              |
|              |          |         |            |                     | 38        | 4.661                       | 5.748  | 6.980  | 8.366  | 9.914  | 11.628 | 13.513 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 4.162                       | 5.140  | 6.251  | 7.507  | 8.917  | -      | -      |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4324 | P00     | MLZ038T4   | E                   | 27        | 5.728                       | 7.015  | 8.474  | 10.109 | 11.923 | 13.916 | 16.084 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 5.246                       | 6.443  | 7.798  | 9.319  | 11.010 | 12.875 | 14.913 | 8.183         | 3.917  | 2.09 | 3.44 | 70                      | 39                              |
|              |          |         |            |                     | 38        | 4.644                       | 5.724  | 6.949  | 8.328  | 9.867  | 11.574 | 13.454 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 4.122                       | 5.100  | 6.210  | 7.465  | 8.873  | -      | -      |               |        |      |      |                         |                                 |
| OP-MPXM108ML | 114X4344 | P00     | MLZ048T4   | E                   | 27        | 7.664                       | 9.383  | 11.323 | 13.486 | 15.872 | 18.475 | 21.287 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 6.993                       | 8.581  | 10.374 | 12.376 | 14.589 | 17.011 | 19.641 | 10.904        | 5.444  | 2    | 3.39 | 70                      | 39                              |
|              |          |         |            |                     | 38        | 6.157                       | 7.575  | 9.179  | 10.978 | 12.975 | 15.175 | 17.584 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 5.433                       | 6.699  | 8.136  | 9.756  | 11.567 | -      | -      |               |        |      |      |                         |                                 |
| OP-MPXM125ML | 114X4414 | P00     | MLZ058T4   | E                   | 27        | 9.210                       | 11.328 | 13.729 | 16.422 | 19.412 | 22.695 | 26.267 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 8.436                       | 10.404 | 12.635 | 15.140 | 17.927 | 20.998 | 24.354 | 13.252        | 6.120  | 2.17 | 3.49 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 7.469                       | 9.242  | 11.255 | 13.523 | 16.058 | 18.866 | 21.958 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 6.634                       | 8.232  | 10.052 | 12.111 | 14.426 | -      | -      |               |        |      |      |                         |                                 |
| OP-MPXM162ML | 114X4434 | P00     | MLZ076T4   | E                   | 27        | 11.175                      | 13.803 | 16.738 | 19.988 | 23.548 | 27.412 | 31.573 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 10.156                      | 12.607 | 15.341 | 18.367 | 21.687 | 25.302 | 29.210 | 16.122        | 8.411  | 1.92 | 3.12 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 8.876                       | 11.096 | 13.572 | 16.317 | 19.338 | 22.645 | 26.245 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 7.765                       | 9.777  | 12.023 | 14.520 | 17.283 | -      | -      |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input



| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -20°C                       | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C  |               |        |      |      |                         |                                 |
| OP-MPYM008MY | 114X4119 | P00     | MLY80RAb   | G                   | 27        | -                           | 0.756 | 0.936 | 1.132 | 1.345 | 1.573 | -     |               |        |      |      | 60                      | 29                              |
|              |          |         |            |                     | 32        | -                           | 0.683 | 0.848 | 1.031 | 1.230 | 1.446 | -     | 0.888         | 0.421  | 2.11 |      |                         |                                 |
|              |          |         |            |                     | 38        | -                           | 0.596 | 0.744 | 0.909 | 1.092 | 1.293 | -     |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.524 | 0.657 | 0.808 | 0.978 | 1.165 | -     |               |        |      |      |                         |                                 |
| OP-MPYM009MY | 114X4120 | P00     | MLY90RAb   | G                   | 27        | -                           | 0.814 | 1.007 | 1.217 | 1.443 | 1.684 | -     |               |        |      |      | 61                      | 30                              |
|              |          |         |            |                     | 32        | -                           | 0.737 | 0.914 | 1.108 | 1.319 | 1.546 | -     | 0.960         | 0.480  | 1.99 |      |                         |                                 |
|              |          |         |            |                     | 38        | -                           | 0.644 | 0.802 | 0.978 | 1.171 | 1.381 | -     |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.568 | 0.709 | 0.869 | 1.047 | 1.244 | -     |               |        |      |      |                         |                                 |
| OP-MPYM012MP | 114X4121 | P00     | MPT12RA    | G                   | 27        | -                           | 1.115 | 1.365 | 1.631 | 1.914 | 2.213 | 2.526 |               |        |      |      | 63                      | 32                              |
|              |          |         |            |                     | 32        | -                           | 1.010 | 1.239 | 1.486 | 1.751 | 2.033 | 2.331 | 1.300         | 0.646  | 2.01 |      |                         |                                 |
|              |          |         |            |                     | 38        | -                           | 0.883 | 1.089 | 1.313 | 1.556 | 1.817 | 2.097 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.779 | 0.964 | 1.169 | 1.394 | 1.638 | 1.902 |               |        |      |      |                         |                                 |
| OP-MPYM014MP | 114X4122 | P00     | MPT14RA    | G                   | 27        | -                           | 1.130 | 1.396 | 1.685 | 1.999 | 2.335 | 2.693 |               |        |      |      | 60                      | 29                              |
|              |          |         |            |                     | 32        | -                           | 1.031 | 1.276 | 1.546 | 1.841 | 2.160 | 2.502 | 1.340         | 0.795  | 1.69 |      |                         |                                 |
|              |          |         |            |                     | 38        | -                           | 0.913 | 1.133 | 1.380 | 1.652 | 1.950 | 2.274 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 0.814 | 1.014 | 1.241 | 1.494 | 1.775 | 2.084 |               |        |      |      |                         |                                 |
| OP-MPBM018AJ | 114X4230 | P00     | CAJ9510Z   | G                   | 27        | 1.184                       | 1.477 | 1.818 | 2.209 | 2.651 | 3.146 | 3.694 |               |        |      |      | 64                      | 33                              |
|              |          |         |            |                     | 32        | 1.078                       | 1.351 | 1.666 | 2.024 | 2.429 | 2.881 | 3.382 | 1.746         | 0.903  | 1.93 |      |                         |                                 |
|              |          |         |            |                     | 38        | -                           | -     | 1.480 | 1.800 | 2.160 | 2.561 | 3.005 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | -     | 1.324 | 1.612 | 1.933 | 2.292 | 2.688 |               |        |      |      |                         |                                 |
| OP-MPBM024AJ | 114X4200 | P00     | CAJ9513Z   | G                   | 27        | -                           | 1.822 | 2.288 | 2.820 | 3.418 | 4.082 | 4.808 |               |        |      |      | 64                      | 33                              |
|              |          |         |            |                     | 32        | -                           | 1.638 | 2.067 | 2.557 | 3.108 | 3.720 | 4.392 | 2.168         | 1.045  | 2.07 |      |                         |                                 |
|              |          |         |            |                     | 38        | -                           | 1.417 | 1.804 | 2.243 | 2.738 | 3.288 | 3.895 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 1.235 | 1.586 | 1.983 | 2.431 | 2.930 | 3.482 |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |       |       |       |       |       |       | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|-------|-------|-------|-------|-------|-------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |       |       |       |       |       |       | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -20°C                       | -15°C | -10°C | -5°C  | 0°C   | 5°C   | 10°C  |               |        |      |      |                         |                                 |
| OP-MPBM026AJ | 114X4212 | P00     | CAJ4517Z   | G                   | 27        | 1.626                       | 2.039 | 2.517 | 3.061 | 3.674 | 4.356 | 5.104 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.459                       | 1.844 | 2.285 | 2.788 | 3.353 | 3.982 | 4.675 | 2.399         | 1.172  | 2.05 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | 1.259                       | 1.609 | 2.007 | 2.459 | 2.967 | 3.533 | 4.159 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 1.413 | 1.776 | 2.185 | 2.644 | 3.157 | 3.728 |               |        |      |      |                         |                                 |
| OP-MPBM026AJ | 114X4213 | P00     | TAJ4517Z   | E                   | 27        | 1.595                       | 2.029 | 2.522 | 3.078 | 3.700 | 4.388 | 5.141 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.416                       | 1.824 | 2.285 | 2.802 | 3.379 | 4.017 | 4.717 | 2.398         | 1.231  | 1.95 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | 1.199                       | 1.575 | 1.996 | 2.465 | 2.987 | 3.565 | 4.200 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 1.368 | 1.754 | 2.182 | 2.657 | 3.184 | 3.765 |               |        |      |      |                         |                                 |
| OP-MPBM034AJ | 114X4227 | P00     | TAJ4519Z   | E                   | 27        | 2.018                       | 2.526 | 3.102 | 3.747 | 4.461 | 5.242 | 6.087 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.811                       | 2.287 | 2.823 | 3.420 | 4.079 | 4.799 | 5.581 | 2.970         | 1.573  | 1.89 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | 1.559                       | 1.997 | 2.484 | 3.023 | 3.616 | 4.264 | 4.969 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 1.753 | 2.199 | 2.689 | 3.227 | 3.815 | 4.456 |               |        |      |      |                         |                                 |
| OP-MPBM034AJ | 114X4226 | P00     | CAJ4519Z   | G                   | 27        | 2.015                       | 2.547 | 3.147 | 3.819 | 4.563 | 5.376 | 6.257 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 1.802                       | 2.300 | 2.859 | 3.480 | 4.166 | 4.916 | 5.729 | 3.008         | 1.650  | 1.82 |      | 67                      | 36                              |
|              |          |         |            |                     | 38        | 1.544                       | 2.000 | 2.506 | 3.065 | 3.680 | 4.353 | 5.085 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | -                           | 1.749 | 2.209 | 2.715 | 3.270 | 3.878 | 4.541 |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4264 | P00     | MLZ015T4   | E                   | 27        | 2.502                       | 3.081 | 3.734 | 4.463 | 5.272 | 6.158 | 7.121 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.251                       | 2.793 | 3.398 | 4.073 | 4.820 | 5.640 | 6.535 | 3.580         | 1.693  | 2.11 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 1.926                       | 2.424 | 2.974 | 3.584 | 4.258 | 5.001 | 5.814 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.634                       | 2.095 | 2.600 | 3.157 | 3.772 | 4.451 | 5.198 |               |        |      |      |                         |                                 |
| OP-MPXM034ML | 114X4261 | P00     | MLZ015T5   | G                   | 27        | 2.591                       | 3.149 | 3.783 | 4.496 | 5.289 | 6.163 | 7.122 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 2.373                       | 2.890 | 3.478 | 4.142 | 4.882 | 5.703 | 6.608 | 3.669         | 1.762  | 2.08 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.101                       | 2.569 | 3.102 | 3.705 | 4.383 | 5.139 | 5.981 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 1.867                       | 2.293 | 2.780 | 3.334 | 3.959 | 4.662 | 5.452 |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4284 | P00     | MLZ021T4   | E                   | 27        | 3.404                       | 4.124 | 4.928 | 5.824 | 6.815 | 7.905 | 9.099 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.108                       | 3.772 | 4.514 | 5.340 | 6.257 | 7.271 | 8.390 | 4.778         | 2.350  | 2.03 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.729                       | 3.325 | 3.990 | 4.731 | 5.559 | 6.482 | 7.511 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.392                       | 2.930 | 3.529 | 4.199 | 4.952 | 5.798 | 6.754 |               |        |      |      |                         |                                 |
| OP-MPXM046ML | 114X4281 | P00     | MLZ021T5   | G                   | 27        | 3.450                       | 4.182 | 5.004 | 5.917 | 6.922 | 8.018 | 9.203 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.147                       | 3.821 | 4.578 | 5.421 | 6.352 | 7.371 | 8.481 | 4.848         | 2.435  | 1.99 |      | 68                      | 37                              |
|              |          |         |            |                     | 38        | 2.762                       | 3.365 | 4.043 | 4.800 | 5.640 | 6.567 | 7.586 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.422                       | 2.964 | 3.574 | 4.258 | 5.022 | 5.872 | 6.817 |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input

This table continues on the next page


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model        | Code     | Version | Compressor | Electrical code (1) | Tamb [°C] | Cooling capacity Q [kW] (2) |        |        |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|--------------|----------|---------|------------|---------------------|-----------|-----------------------------|--------|--------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|              |          |         |            |                     |           | Te [°C]                     |        |        |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|              |          |         |            |                     |           | -20°C                       | -15°C  | -10°C  | -5°C   | 0°C    | 5°C    | 10°C   |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4290 | P00     | MLZ026T5   | G                   | 27        | 3.973                       | 4.806  | 5.741  | 6.777  | 7.912  | 9.142  | 10.467 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.619                       | 4.382  | 5.238  | 6.189  | 7.234  | 8.373  | 9.609  | 5.571         | 3.291  | 1.69 | 2.90 | 68                      | 37                              |
|              |          |         |            |                     | 38        | 3.179                       | 3.855  | 4.615  | 5.460  | 6.396  | 7.424  | 8.553  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.795                       | 3.397  | 4.073  | 4.830  | 5.673  | 6.609  | 7.650  |               |        |      |      |                         |                                 |
| OP-MPXM057ML | 114X4293 | P00     | MLZ026T4   | E                   | 27        | 3.977                       | 4.812  | 5.749  | 6.788  | 7.926  | 9.162  | 10.493 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 3.625                       | 4.390  | 5.249  | 6.203  | 7.252  | 8.397  | 9.639  | 5.580         | 3.164  | 1.76 | 3.01 | 68                      | 37                              |
|              |          |         |            |                     | 38        | 3.189                       | 3.868  | 4.630  | 5.480  | 6.420  | 7.455  | 8.590  |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 2.809                       | 3.414  | 4.094  | 4.855  | 5.703  | 6.645  | 7.693  |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4308 | P00     | MLZ030T5   | G                   | 27        | 5.273                       | 6.446  | 7.786  | 9.302  | 10.997 | 12.876 | 14.938 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.832                       | 5.927  | 7.178  | 8.594  | 10.182 | 11.949 | 13.898 | 7.568         | 3.353  | 2.26 | 3.66 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 4.283                       | 5.278  | 6.417  | 7.709  | 9.166  | 10.795 | 12.606 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.806                       | 4.714  | 5.755  | 6.941  | 8.284  | 9.797  | 11.492 |               |        |      |      |                         |                                 |
| OP-MPXM068ML | 114X4311 | P00     | MLZ030T4   | E                   | 27        | 5.271                       | 6.443  | 7.784  | 9.300  | 10.988 | 12.880 | 14.945 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 4.832                       | 5.926  | 7.177  | 8.594  | 10.185 | 11.954 | 13.907 | 7.566         | 3.279  | 2.31 | 3.73 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 4.284                       | 5.279  | 6.418  | 7.711  | 9.170  | 10.803 | 12.618 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 3.809                       | 4.717  | 5.758  | 6.945  | 8.291  | 9.806  | 11.506 |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4321 | P00     | MLZ038T5   | G                   | 27        | 6.066                       | 7.469  | 9.041  | 10.768 | 12.634 | 14.626 | 16.730 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 5.504                       | 6.806  | 8.273  | 9.892  | 11.650 | 13.536 | 15.538 | 8.735         | 4.027  | 2.17 | 3.33 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 4.826                       | 5.992  | 7.319  | 8.797  | 10.415 | 12.164 | 14.039 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 4.268                       | 5.307  | 6.506  | 7.857  | 9.349  | 10.976 | 12.738 |               |        |      |      |                         |                                 |
| OP-MPXM080ML | 114X4324 | P00     | MLZ038T4   | E                   | 27        | 6.238                       | 7.571  | 9.084  | 10.780 | 12.662 | 14.727 | 16.973 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 5.708                       | 6.948  | 8.353  | 9.930  | 11.682 | 13.612 | 15.720 | 8.822         | 3.856  | 2.29 | 3.71 | 69                      | 38                              |
|              |          |         |            |                     | 38        | 5.026                       | 6.146  | 7.415  | 8.842  | 10.434 | 12.197 | 14.137 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 4.423                       | 5.435  | 6.584  | 7.881  | 9.335  | 10.956 | 12.755 |               |        |      |      |                         |                                 |
| OP-MPXM108ML | 114X4344 | P00     | MLZ048T4   | E                   | 27        | 7.856                       | 9.491  | 11.303 | 13.308 | 15.517 | 17.940 | 20.584 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 7.147                       | 8.653  | 10.321 | 12.168 | 14.209 | 16.459 | 18.932 | 10.943        | 5.478  | 2.00 | 3.31 | 75                      | 44                              |
|              |          |         |            |                     | 38        | 6.248                       | 7.596  | 9.087  | 10.742 | 12.581 | 14.623 | 16.892 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 5.457                       | 6.671  | 8.012  | 9.504  | 11.172 | 13.041 | 15.144 |               |        |      |      |                         |                                 |
| OP-MPXM125ML | 114X4414 | P00     | MLZ058T4   | E                   | 27        | 9.409                       | 11.580 | 14.000 | 16.676 | 19.608 | 22.795 | 26.233 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 8.513                       | 10.552 | 12.820 | 15.326 | 18.074 | 21.068 | 24.310 | 13.539        | 6.214  | 2.18 | 3.48 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 7.385                       | 9.257  | 11.334 | 13.628 | 16.149 | 18.906 | 21.911 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 6.404                       | 8.125  | 10.034 | 12.145 | 14.472 | 17.028 | 19.836 |               |        |      |      |                         |                                 |
| OP-MPXM162ML | 114X4434 | P00     | MLZ076T4   | E                   | 27        | 12.516                      | 15.012 | 17.725 | 20.689 | 23.929 | 27.465 | 31.318 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 32        | 11.400                      | 13.616 | 16.030 | 18.678 | 21.592 | 24.799 | 28.325 | 16.975        | 8.520  | 1.99 | 3.23 | 77                      | 46                              |
|              |          |         |            |                     | 38        | 10.034                      | 11.882 | 13.909 | 16.158 | 18.665 | 21.464 | 24.592 |               |        |      |      |                         |                                 |
|              |          |         |            |                     | 43        | 8.881                       | 10.396 | 12.079 | 13.976 | 16.130 | 18.579 | 21.368 |               |        |      |      |                         |                                 |

**MBP**
**(1) G** - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

**E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

**(2)** Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

**(3)** Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Application | Code number | Model number     | Compressor Model | Electrical Code (1) | Refrigerant (2) | Condenser Coil |         |                 | Fan    |         | Receiver | Dimensions |         |        |       | Connection |               | Weight       |       |
|-------------|-------------|------------------|------------------|---------------------|-----------------|----------------|---------|-----------------|--------|---------|----------|------------|---------|--------|-------|------------|---------------|--------------|-------|
|             |             |                  |                  |                     |                 | Type           | Airflow | Internal Volume | Number | Blade ø |          | Volume     | Housing | Height | Width | Length     | Suction valve | Liquid valve | Gross |
|             |             |                  |                  |                     |                 |                |         |                 |        |         | (m²/h)   |            |         |        |       |            |               |              |       |
| LBP         | 114X3118    | OP-LPQM017MPP00G | MPT16LA          | G                   | Q               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | H1         | 650     | 941    | 406   | 3/8"       | 3/8"          | 65           | 49    |
| LBP         | 114X3216    | OP-LPQM026AJP00G | CAJ2446Z         | G                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 1/2"       | 3/8"          | 97           | 80    |
| LBP         | 114X3225    | OP-LPQM048NTP00G | NTZ048-5         | G                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 5/8"       | 3/8"          | 102          | 80    |
| LBP         | 114X3233    | OP-LPQM048NTP00E | NTZ048-4         | E                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 5/8"       | 3/8"          | 102          | 80    |
| LBP         | 114X3253    | OP-LPQM074FHP00E | TFH2511Z         | E                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 5/8"       | 3/8"          | 106          | 89    |
| LBP         | 114X3252    | OP-LPQM074FHP00G | FH2511Z          | G                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 5/8"       | 3/8"          | 111          | 94    |
| LBP         | 114X3241    | OP-LPQM068NTP00G | NTZ068-5         | G                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 5/8"       | 3/8"          | 102          | 80    |
| LBP         | 114X3249    | OP-LPQM068NTP00E | NTZ068-4         | E                   | Q               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 5/8"       | 3/8"          | 102          | 80    |
| LBP         | 114X3371    | OP-LPOM067LLP02E | LLZ013T4A        | E                   | O               | G7             | 5200    | 1.62            | 1      | 500     | 6.2      | H3         | 965     | 531    | 1441  | 3/4"       | 1/2"          | 161          | 135   |
| LBP         | 114X3372    | OP-LPOM084LLP02E | LLZ015T4A        | E                   | O               | G7             | 5200    | 1.62            | 1      | 500     | 6.2      | H3         | 965     | 531    | 1441  | 3/4"       | 1/2"          | 161          | 135   |
| LBP         | 114X3373    | OP-LPOM098LLP02E | LLZ018T4A        | E                   | O               | G7             | 5200    | 1.62            | 1      | 500     | 6.2      | H3         | 965     | 531    | 1441  | 3/4"       | 1/2"          | 162          | 136   |
| LBP         | 114X3485    | OP-LPOM120LLP02E | LLZ024T4A        | E                   | O               | J7             | 9500    | 1.97            | 2      | 500     | 10       | H4         | 966     | 650    | 1835  | 1 1/8"     | 3/4"          | 212          | 161   |
| LBP         | 114X3486    | OP-LPOM168LLP02E | LLZ034T4A        | E                   | O               | J7             | 9500    | 1.97            | 2      | 500     | 10       | H4         | 966     | 650    | 1835  | 1 1/8"     | 3/4"          | 217          | 166   |
| MBP         | 114X4119    | OP-MPYM008MYP00G | MLY80RAb         | G                   | Y               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | H1         | 650     | 941    | 406   | 3/8"       | 1/4"          | 65           | 49    |
| MBP         | 114X4120    | OP-MPYM009MYP00G | MLY90RAb         | G                   | Y               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | H1         | 650     | 941    | 406   | 3/8"       | 1/4"          | 65           | 49    |
| MBP         | 114X4121    | OP-MPYM012MPP00G | MPT12RA          | G                   | Y               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | H1         | 650     | 941    | 406   | 3/8"       | 3/8"          | 65           | 49    |
| MBP         | 114X4122    | OP-MPYM014MPP00G | MPT14RA          | G                   | Y               | A7             | 2,200   | 0.39            | 1      | 365     | 1.3      | H1         | 650     | 941    | 406   | 3/8"       | 3/8"          | 65           | 49    |
| MBP         | 114X4230    | OP-MPBM018AJP00G | CAJ9510Z         | G                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 1/2"       | 3/8"          | 97           | 80    |
| MBP         | 114X4200    | OP-MPBM024AJP00G | CAJ9513Z         | G                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 1/2"       | 3/8"          | 97           | 80    |
| MBP         | 114X4212    | OP-MPBM026AJP00G | CAJ4517Z         | G                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 1/2"       | 3/8"          | 97           | 80    |
| MBP         | 114X4213    | OP-MPBM026AJP00E | TAJ4517Z         | E                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 1/2"       | 3/8"          | 97           | 80    |
| MBP         | 114X4220    | OP-MPGM033AJP00G | CAJ4511Y         | G                   | G               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 1/2"       | 3/8"          | 97           | 80    |
| MBP         | 114X4226    | OP-MPBM034AJP00G | CAJ4519Z         | G                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 1/2"       | 3/8"          | 97           | 80    |
| MBP         | 114X4227    | OP-MPBM034AJP00E | TAJ4519Z         | E                   | B               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 1/2"       | 3/8"          | 97           | 80    |
| MBP         | 114X4261    | OP-MPXM034MLP00G | MLZ015T5         | G                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 3/4"       | 1/2"          | 109          | 87    |
| MBP         | 114X4264    | OP-MPXM034MLP00E | MLZ015T4         | E                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 3/4"       | 1/2"          | 109          | 87    |
| MBP         | 114X4281    | OP-MPXM046MLP00G | MLZ021T5         | G                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 3/4"       | 1/2"          | 109          | 87    |
| MBP         | 114X4284    | OP-MPXM046MLP00E | MLZ021T4         | E                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 3/4"       | 1/2"          | 109          | 87    |
| MBP         | 114X4290    | OP-MPXM057MLP00G | MLZ026T5         | G                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 3/4"       | 1/2"          | 109          | 87    |
| MBP         | 114X4293    | OP-MPXM057MLP00E | MLZ026T4         | E                   | X               | D7             | 3,300   | 0.58            | 1      | 450     | 3.4      | H2         | 813     | 1090   | 480   | 3/4"       | 1/2"          | 109          | 87    |
| MBP         | 114X4308    | OP-MPXM068MLP00G | MLZ030T5         | G                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | H3         | 965     | 1441   | 531   | 7/8"       | 5/8"          | 137          | 101   |
| MBP         | 114X4311    | OP-MPXM068MLP00E | MLZ030T4         | E                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | H3         | 965     | 1441   | 531   | 7/8"       | 5/8"          | 137          | 101   |
| MBP         | 114X4321    | OP-MPXM080MLP00G | MLZ038T5         | G                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | H3         | 965     | 1441   | 531   | 7/8"       | 5/8"          | 137          | 101   |
| MBP         | 114X4324    | OP-MPXM080MLP00E | MLZ038T4         | E                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | H3         | 965     | 1441   | 531   | 7/8"       | 5/8"          | 137          | 101   |
| MBP         | 114X4344    | OP-MPXM108MLP00E | MLZ048T4         | E                   | X               | G7             | 5,200   | 1.62            | 1      | 500     | 6.2      | H3         | 965     | 1441   | 531   | 7/8"       | 5/8"          | 137          | 101   |
| MBP         | 114X4414    | OP-MPXM125MLP00E | MLZ058T4         | E                   | X               | J7             | 9,500   | 1.97            | 2      | 500     | 10       | H4         | 966     | 1835   | 650   | 1 1/8"     | 3/4"          | 218          | 169   |
| MBP         | 114X4434    | OP-MPXM162MLP00E | MLZ076T4         | E                   | X               | J7             | 9,500   | 1.97            | 2      | 500     | 10       | H4         | 966     | 1835   | 650   | 1 1/8"     | 3/4"          | 218          | 169   |

(1) G - Compressor 230V/1~/50Hz, fan 230V/1~/50Hz

E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) G - R134a

X - R134a, R404A/R507, R407A, R407F, R449A, R448A, R513A, R452A

Y - R404A/R507, R449A

Q - R404A/R507, R452A

O - R404A/R507, R452A, R448A, R449A



| Designation                     | LPQM017MP | LPQM026AJ | LPQM048NT | LPQM048NT | LPQM068NT | LPQM068NT | LPQM074FH |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Code Number                     | 114X3118  | 114X3216  | 114X3225  | 114X3233  | 114X3241  | 114X3249  | 114X3252  |
| Compressor Description          | MPT16LA   | CAJ2446Z  | NTZ048-5  | NTZ048-4  | NTZ068-5  | NTZ068-4  | FH2511Z   |
| Oil                             | POE32     | RL32HA/HT | 175PZ-POE | 175PZ-POE | 175PZ-POE | 175PZ-POE | RL32HA/HT |
| Housing                         | H1        | H2        | H2        | H2        | H2        | H2        | H2        |
| Spare Parts                     |           |           |           |           |           |           |           |
| Compressor single pack          | 123B2127  | 118U3992  | 120F0228  | 120F0226  | 120F0232  | 120F0230  | 118U3914  |
| Condenser                       | 118U5217  | 118U5218  | 118U5218  | 118U5218  | 118U5218  | 118U5218  | 118U5218  |
| Discharge pressure sensor       | 118U3722  | 118U3722  | 118U3722  | 118U3722  | 118U3722  | 118U3722  | 118U3722  |
| Fan assembly                    | -         | -         | -         | -         | -         | -         | -         |
| Fan blade                       | 118U3480  | 118U3481  | 118U3481  | 118U3481  | 118U3481  | 118U3481  | 118U3481  |
| Fan capacitor                   | 118U3296  | 118U3297  | 118U3297  | 118U3297  | 118U3297  | 118U3297  | 118U3297  |
| Fan cowl/grill                  | 118U3483  | 118U3484  | 118U3484  | 118U3484  | 118U3484  | 118U3484  | 118U3484  |
| Fan motor                       | 118U3477  | 118U3823  | 118U3823  | 118U3823  | 118U3823  | 118U3823  | 118U3823  |
| Filter drier                    | 023Z5039  | 023Z5040  | 023Z5040  | 023Z5040  | 023Z5040  | 023Z5040  | 023Z5040  |
| High-pressure switch            | 118U3718  | 118U3718  | 118U3718  | 118U3718  | 118U3718  | 118U3718  | 118U3718  |
| Liquid valve                    | 009G7051  | 009G7051  | 009G7051  | 009G7051  | 009G7051  | 009G7051  | 009G7051  |
| Low-pressure switch             | 118U3720  | 118U3720  | 118U3720  | 118U3720  | 118U3720  | 118U3720  | 118U3720  |
| Receiver                        | 118U3474  | 118U3475  | 118U3475  | 118U3475  | 118U3475  | 118U3475  | 118U3475  |
| Sight glass                     | 014L0182  | 014L0172  | 014L0172  | 014L0172  | 014L0172  | 014L0172  | 014L0172  |
| Suction pressure sensor         | 118U3721  | 118U3721  | 118U3721  | 118U3721  | 118U3721  | 118U3721  | 118U3721  |
| Suction valve                   | 009G7051  | 009G7051  | 009G7053  | 009G7053  | 009G7053  | 009G7053  | 009G7053  |
| Electrical Spare Parts          |           |           |           |           |           |           |           |
| Crankcase heater                | 118U0051  | 118U0051  | 120Z0459  | 120Z0459  | 120Z0459  | 120Z0459  | 120Z0459  |
| Optyma™ Plus Controller         | 118U3465  | 118U3465  | 118U3465  | 118U3465  | 118U3465  | 118U3465  | 118U3465  |
| Discharge temperature sensor    | 084N2007  | 084N2007  | 084N2007  | 084N2007  | 084N2007  | 084N2007  | 084N2007  |
| Suction and ambient temp sensor | 084N0003  | 084N0003  | 084N0003  | 084N0003  | 084N0003  | 084N0003  | 084N0003  |
| Contact kit                     | 118U3845  | 118U3845  | 118U3846  | 118U3845  | 118U3848  | 118U3845  | 118U3845  |
| Door handle                     | 118U3858  | 118U3858  | 118U3858  | 118U3858  | 118U3858  | 118U3858  | 118U3858  |
| Main switch kit                 | 118U3853  | 118U3851  | 118U3852  | 118U3853  | 118U3854  | 118U3851  | 118U3853  |
| Run capacitor                   | 123B9219  | 118U5191* | 8173041   | -         | 8173041   | -         | 118U5199* |
| Starting capacitor              | 123B9316  |           | 8173001   | -         | 8173001   | -         |           |
| Starting relay                  | 123B9151  |           | 8173022   | -         | 8173022   | -         |           |
| Electrical Characteristics      |           |           |           |           |           |           |           |
| Wiring Diagram                  | WD7       | WD3       | WD3       | WD5       | WD3       | WD5       | WD3       |
| LRA Compressor [A]              | 19        | 29        | 37        | 16        | 53        | 25        | 81        |
| MCC Compressor [A]              | 4         | 7.9       | 11        | 4.8       | 17        | 8.4       | 24        |
| Max cont.power [kW]             | 0.89      | 1.31      | 2.19      | 2.28      | 3.62      | 3.57      | 3.45      |
| MCC Fan [A]                     | 0.32      | 0.47      | 0.47      | 0.47      | 0.47      | 0.47      | 0.47      |
| Fan Power [W]                   | 1x25      | 1x68      | 1x68      | 1x68      | 1x68      | 1x68      | 1x68      |
| Min Fuse rating gL/gG (A)       | 10        | 16        | 20        | 10        | 25        | 16        | 32        |
| Accessories (Not Premounted)    |           |           |           |           |           |           |           |
| Acoustic hood                   | -         | -         | 120Z0575  | 120Z0575  | 120Z0575  | 120Z0575  | -         |
| Fusible Plug                    | 118U5170  | 118U5170  | 118U5170  | 118U5170  | 118U5170  | 118U5170  | 118U5170  |
| Adap-Kool Accessories           |           |           |           |           |           |           |           |
| External Display & settings     | 084B8575  | 084B8575  | 084B8575  | 084B8575  | 084B8575  | 084B8575  | 084B8575  |
| Cable for EKA Displays 6 m      | 084B7299  | 084B7299  | 084B7299  | 084B7299  | 084B7299  | 084B7299  | 084B7299  |
| Mounting kit for EKA Display    | 084B8584  | 084B8584  | 084B8584  | 084B8584  | 084B8584  | 084B8584  | 084B8584  |
| MODBUS Communication Module     | 084B8571  | 084B8571  | 084B8571  | 084B8571  | 084B8571  | 084B8571  | 084B8571  |
| Lon-Bus Communication Module    | 084B8579  | 084B8579  | 084B8579  | 084B8579  | 084B8579  | 084B8579  | 084B8579  |
| Programming Key                 | 084B8582  | 084B8582  | 084B8582  | 084B8582  | 084B8582  | 084B8582  | 084B8582  |
| Sheet Metal                     |           |           |           |           |           |           |           |
| Top Panel                       | 118U5121  | 118U5126  | 118U5126  | 118U5126  | 118U5126  | 118U5126  | 118U5126  |
| Fan Panel                       | 118U5122  | 118U5127  | 118U5127  | 118U5127  | 118U5127  | 118U5127  | 118U5127  |
| Back Panel                      | 118U5123  | 118U5128  | 118U5128  | 118U5128  | 118U5128  | 118U5128  | 118U5128  |
| Front Panel                     | 118U5124  | 118U5129  | 118U5129  | 118U5129  | 118U5129  | 118U5129  | 118U5129  |
| Access Panel                    | 118U5125  | 118U5130  | 118U5130  | 118U5130  | 118U5130  | 118U5130  | 118U5130  |
| Left side Panel                 | 118U5163  | 118U5164  | 118U5164  | 118U5164  | 118U5164  | 118U5164  | 118U5164  |
| Fan Panel (LH)                  | -         | -         | -         | -         | -         | -         | -         |
| Fan Panel (RH)                  | -         | -         | -         | -         | -         | -         | -         |

MCA - Minimum Circuit Ampacity

MCC - Max Continuous Current

LRA - Locked Rotor Amps

\* - Spare part, Starting Kit

| Designation                         | LPQM074FH | LPQM096NT | LPQM136NT | LPQM215LL   | LPQM271LL   |
|-------------------------------------|-----------|-----------|-----------|-------------|-------------|
| Code Number                         | 114X3253  | 114X3357  | 114X3365  | 114X3476    | 114X3482    |
| Compressor Description              | TFH2511Z  | NTZ096-4  | NTZ136-4  | LLZ024T4    | LLZ034T4    |
| Oil                                 | RL32HA/HT | 175PZ-POE | 175PZ-POE | 215PZ-POE46 | 215PZ-POE46 |
| Housing                             | H2        | H3        | H3        | H4          | H4          |
| <b>Spare Parts</b>                  |           |           |           |             |             |
| Compressor single pack              | 118U3915  | 120F0234  | 120F0236  | 121L9541    | 121L9543    |
| Condenser                           | 118U5218  | 118U5219  | 118U5219  | 118U5220    | 118U5220    |
| Discharge pressure sensor           | 118U3722  | 118U3722  | 118U3722  | 118U3722    | 118U3722    |
| Fan assembly                        | -         | 118U3829  | 118U3829  | 118U3829    | 118U3829    |
| Fan blade                           | 118U3481  | -         | -         | -           | -           |
| Fan capacitor                       | 118U3297  | -         | -         | -           | -           |
| Fan cowl/grill                      | 118U3484  | 118U3485  | 118U3485  | 118U3485    | 118U3485    |
| Fan motor                           | 118U3823  |           |           |             |             |
| Filter drier                        | 023Z5040  | 023Z5044  | 023Z5044  | 023Z5046    | 023Z5046    |
| High-pressure switch                | 118U3718  | 118U3718  | 118U3718  | 118U3718    | 118U3718    |
| Liquid valve                        | 009G7051  | 009G7052  | 009G7052  | 009G7054    | 009G7054    |
| Low-pressure switch                 | 118U3720  | 118U3720  | 118U3720  | 118U3720    | 118U3720    |
| Receiver                            | 118U3475  | 118U3476  | 118U3476  | 118U3926    | 118U3926    |
| Sight glass                         | 014L0172  | 014L0173  | 014L0173  | 014L0175    | 014L0175    |
| Suction pressure sensor             | 118U3721  | 118U3721  | 118U3721  | 118U3721    | 118U3721    |
| Suction valve                       | 009G7053  | 009G7055  | 009G7056  | 009G7056    | 009G7056    |
| <b>Electrical Spare Parts</b>       |           |           |           |             |             |
| Crankcase heater                    | 120Z0459  | 120Z0459  | 120Z0459  | 120Z5040    | 120Z5040    |
| Optyma™ Plus Controller             | 118U3465  | 118U3465  | 118U3465  | 118U3465    | 118U3465    |
| Discharge temperature sensor        | 084N2007  | 084N2007  | 084N2007  | 084N2007    | 084N2007    |
| Suction and ambient temp sensor     | 084N0003  | 084N0003  | 084N0003  | 084N0003    | 084N0003    |
| Contact kit                         | 118U3845  | 118U3846  | 118U3847  | 118U3848    | 118U3848    |
| Door handle                         | 118U3858  | 118U3858  | 118U3858  | 118U3858    | 118U3858    |
| Main switch kit                     | 118U3855  | 118U3851  | 118U3852  | 118U3855    | 118U3856    |
| Run capacitor                       | -         | -         | -         | -           | -           |
| Starting capacitor                  | -         | -         | -         | -           | -           |
| Starting relay                      | -         | -         | -         | -           | -           |
| <b>Electrical Characteristics</b>   |           |           |           |             |             |
| Wiring Diagram                      | WD5       | WD5       | WD5       | WD6         | WD6         |
| LRA Compressor [A]                  | 28        | 32        | 51        | 95          | 150         |
| MCC Compressor [A]                  | 7.2       | 10.1      | 14.3      | 21          | 26          |
| Max cont.power [kW]                 | 3.34      | 4.53      | 6.87      | 7.96        | 11.1        |
| MCC Fan [A]                         | 0.47      | 0.97      | 0.97      | 2x0.97      | 2x0.97      |
| Fan Power [W]                       | 1x68      | 1x130     | 1x130     | 2x130       | 2x130       |
| Min Fuse rating gL/gG (A)           | 16        | 16        | 20        | 32          | 40          |
| <b>Accessories (Not Premounted)</b> |           |           |           |             |             |
| Acoustic hood                       |           | 120Z0575  | 120Z0575  | 120Z5053    | 120Z5053    |
| Fusible Plug                        | 118U5170  | 118U5170  | 118U5170  | 118U5170    | 118U5170    |
| <b>Adap-Kool Accessories</b>        |           |           |           |             |             |
| External Display & settings         | 084B8575  | 084B8575  | 084B8575  | 084B8575    | 084B8575    |
| Cable for EKA Displays 6 m          | 084B7299  | 084B7299  | 084B7299  | 084B7299    | 084B7299    |
| Mounting kit for EKA Display        | 084B8584  | 084B8584  | 084B8584  | 084B8584    | 084B8584    |
| MODBUS Communication Module         | 084B8571  | 084B8571  | 084B8571  | 084B8571    | 084B8571    |
| Lon-Bus Communication Module        | 084B8579  | 084B8579  | 084B8579  | 084B8579    | 084B8579    |
| Programming Key                     | 084B8582  | 084B8582  | 084B8582  | 084B8582    | 084B8582    |
| <b>Sheet Metal</b>                  |           |           |           |             |             |
| Top Panel                           | 118U5126  | 118U5131  | 118U5131  | 118U5136    | 118U5136    |
| Fan Panel                           | 118U5127  | 118U5132  | 118U5132  | -           | -           |
| Back Panel                          | 118U5128  | 118U5133  | 118U5133  | 118U5139    | 118U5139    |
| Front Panel                         | 118U5129  | 118U5134  | 118U5134  | -           | -           |
| Access Panel                        | 118U5130  | 118U5135  | 118U5135  | 118U5140    | 118U5140    |
| Left side Panel                     | 118U5164  | 118U5165  | 118U5165  | 118U5166    | 118U5166    |
| Fan Panel (LH)                      | -         | -         | -         | 118U5137    | 118U5137    |
| Fan Panel (RH)                      | -         | -         | -         | 118U5138    | 118U5138    |

MCA - Minimum Circuit Ampacity  
 MCC - Max Continuous Current  
 LRA - Locked Rotor Amps  
 \* - Spare part, Starting Kit

| Designation                                 | OP-LPOM067LL | OP-LPOM084LL | OP-LPOM098LL | OP-LPOM120LL | OP-LPOM168LL |
|---------------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Code Number                                 | 114X3371     | 114X3372     | 114X3373     | 114X3485     | 114X3486     |
| Compressor Description                      | LLZ013T4A    | LLZ015T4A    | LLZ018T4A    | LLZ024T4A    | LLZ034T4A    |
| Oil                                         | 120Z0648     | 120Z0648     | 120Z0648     | 120Z0648     | 120Z0648     |
| Housing                                     | H3           | H3           | H3           | H4           | H4           |
| <b>Spare Parts</b>                          |              |              |              |              |              |
| Compressor single pack                      | 121L9535     | 121L9537     | 121L9539     | 121L9541     | 121L9543     |
| Condenser                                   | 118U5219     | 118U5219     | 118U5219     | 118U5220     | 118U5220     |
| Discharge pressure sensor                   | 118U3722     | 118U3722     | 118U3722     | 118U3722     | 118U3722     |
| Fan assembly                                | 118U3829     | 118U3829     | 118U3829     | 118U3829     | 118U3829     |
| Fan cowl/grill                              | 118U3485     | 118U3485     | 118U3485     | 118U3485     | 118U3485     |
| Filter drier                                | 023Z5044     | 023Z5044     | 023Z5044     | 023Z5046     | 023Z5046     |
| High-pressure switch                        | 118U3718     | 118U3718     | 118U3718     | 118U3718     | 118U3718     |
| Liquid valve                                | 009G7052     | 009G7052     | 009G7052     | 009G7054     | 009G7054     |
| Low-pressure switch                         | 118U3720     | 118U3720     | 118U3720     | 118U3720     | 118U3720     |
| Receiver                                    | 118U3476     | 118U3476     | 118U3476     | 118U3926     | 118U3926     |
| Sight glass                                 | 014L0173     | 014L0173     | 014L0173     | 014L0175     | 014L0175     |
| Suction pressure sensor                     | 118U3721     | 118U3721     | 118U3721     | 118U3721     | 118U3721     |
| Suction valve                               | 009G7054     | 009G7054     | 009G7054     | 009G7056     | 009G7056     |
| Electric expansion valve                    | 034G5015     | 034G5015     | 034G5015     | 034G5015     | 034G5015     |
| Electric expansion valve coil               | 034G5145     | 034G5145     | 034G5145     | 034G5185     | 034G5185     |
| Liquid injection controller (Module B plus) | 118U4010     | 118U4010     | 118U4010     | 118U4010     | 118U4010     |
| Acoustic hood                               | 120Z5052     | 120Z5052     | 120Z5052     | 120Z5053     | 120Z5053     |
| <b>Electrical Spare Parts</b>               |              |              |              |              |              |
| Crankcase heater                            | 120Z5040     | 120Z5040     | 120Z5040     | 120Z5040     | 120Z5040     |
| Optyma™ Plus Controller                     | 118U3465     | 118U3465     | 118U3465     | 118U3465     | 118U3465     |
| Discharge temperature sensor                | 084N2007     | 084N2007     | 084N2007     | 084N2007     | 084N2007     |
| Suction and ambient temp sensor             | 084N0003     | 084N0003     | 084N0003     | 084N0003     | 084N0003     |
| Contact kit                                 | 118U3846     | 118U3847     | 118U3847     | 118U3848     | 118U3849     |
| Door handle                                 | 118U3858     | 118U3858     | 118U3858     | 118U3858     | 118U3858     |
| Main switch kit                             | 118U3852     | 118U3852     | 118U3852     | 118U3855     | 118U3856     |
| Run capacitor                               | -            | -            | -            | -            | -            |
| Starting capacitor                          | -            | -            | -            | -            | -            |
| Starting relay                              | -            | -            | -            | -            | -            |
| <b>Electrical Characteristics</b>           |              |              |              |              |              |
| Wiring Diagram                              | WD8          | WD8          | WD8          | WD9          | WD8          |
| LRA Compressor [A]                          | 62           | 88.5         | 90           | 95           | 150          |
| MCC Compressor [A]                          | 12           | 15           | 15           | 21           | 26           |
| Max cont.power [kW]                         | 4.6          | 6.2          | 6.5          | 8            | 11.2         |
| MCC Fan [A]                                 | 0.97         | 0.97         | 0.97         | 2x0.97       | 2x0.97       |
| Fan Power [W]                               | 190          | 190          | 190          | 2x190        | 2x190        |
| Min Fuse rating gL/gG (A)                   | 16           | 20           | 20           | 32           | 40           |
| <b>Accessories (Not Premounted)</b>         |              |              |              |              |              |
| Fusible Plug                                | 118U5170     | 118U5170     | 118U5170     | 118U5170     | 118U5170     |
| <b>Adap-Kool Accessories</b>                |              |              |              |              |              |
| External Display & settings                 | 084B8575     | 084B8575     | 084B8575     | 084B8575     | 084B8575     |
| Cable for EKA Displays 6 m                  | 084B7299     | 084B7299     | 084B7299     | 084B7299     | 084B7299     |
| Mounting kit for EKA Display                | 084B8584     | 084B8584     | 084B8584     | 084B8584     | 084B8584     |
| MODBUS Communication Module                 | 084B8571     | 084B8571     | 084B8571     | 084B8571     | 084B8571     |
| Lon-Bus Communication Module                | 084B8579     | 084B8579     | 084B8579     | 084B8579     | 084B8579     |
| Programming Key                             | 084B8582     | 084B8582     | 084B8582     | 084B8582     | 084B8582     |
| <b>Sheet Metal</b>                          |              |              |              |              |              |
| Top Panel                                   | 118U5131     | 118U5131     | 118U5131     | 118U5136     | 118U5136     |
| Fan Panel                                   | 118U5132     | 118U5132     | 118U5132     | -            | -            |
| Back Panel                                  | 118U5133     | 118U5133     | 118U5133     | 118U5139     | 118U5139     |
| Front Panel                                 | 118U5134     | 118U5134     | 118U5134     | -            | -            |
| Access Panel                                | 118U5135     | 118U5135     | 118U5135     | 118U5140     | 118U5140     |
| Left side Panel                             | 118U5165     | 118U5165     | 118U5165     | 118U5166     | 118U5166     |
| Fan Panel (LH)                              | -            | -            | -            | 118U5137     | 118U5137     |
| Fan Panel (RH)                              | -            | -            | -            | 118U5138     | 118U5138     |

MCA - Minimum Circuit Ampacity

MCC - Max Continuous Current

LRA - Locked Rotor Amps

\* - Spare part, Starting Kit

| Designation                     | MPYM008MY | MPYM009MY | MPYM012MP | MPYM014MP | MPBM024AJ | MPBM026AJ | MPBM026AJ | MPGM033AJ | MPBM034AJ |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Code Number                     | 114X4119  | 114X4120  | 114X4121  | 114X4122  | 114X4200  | 114X4212  | 114X4213  | 114X4220  | 114X4226  |
| Compressor Description          | MLY90RAB  | MLY90RAB  | MPT12RA   | MPT14RA   | CAJ9513Z  | CAJ4517Z  | TAJ4517Z  | CAJ4511Y  | CAJ4519Z  |
| Oil                             | POE32     | POE32     | POE32     | POE32     | RL32HA/HT | RL32HA/HT | RL32HA/HT | RL32HA/HT | RL32HA/HT |
| Housing                         | H1        | H1        | H1        | H1        | H2        | H2        | H2        | H2        | H2        |
| Spare Parts                     |           |           |           |           |           |           |           |           |           |
| Compressor single pack          | 123B2510  | 123B2514  | 123B2518  | 123B2704  | 118U3995  | 118U3993  | 118U3991  | 118U3996  | 118U3994  |
| Condenser                       | 118U5217  | 118U5217  | 118U5217  | 118U5217  | 118U5218  | 118U5218  | 118U5218  | 118U5218  | 118U5218  |
| Discharge pressure sensor       | 118U3722  | 118U3722  | 118U3722  | 118U3722  | 118U3722  | 118U3722  | 118U3722  | 118U3722  | 118U3722  |
| Fan assembly                    | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| Fan blade                       | 118U3480  | 118U3480  | 118U3480  | 118U3480  | 118U3481  | 118U3481  | 118U3481  | 118U3481  | 118U3481  |
| Fan capacitor                   | 118U3296  | 118U3296  | 118U3296  | 118U3296  | 118U3297  | 118U3297  | 118U3297  | 118U3297  | 118U3297  |
| Fan cowl/grill                  | 118U3483  | 118U3483  | 118U3483  | 118U3483  | 118U3484  | 118U3484  | 118U3484  | 118U3484  | 118U3484  |
| Fan motor                       | 118U3477  | 118U3477  | 118U3477  | 118U3477  | 118U3823  | 118U3823  | 118U3823  | 118U3823  | 118U3823  |
| Filter drier                    | 023Z5039  | 023Z5040  | 023Z5040  | 023Z5040  | 023Z5040  | 023Z5040  | 023Z5040  | 023Z5041  | 023Z5040  |
| High-pressure switch            | 118U3718  | 118U3718  | 118U3718  | 118U3718  | 118U3718  | 118U3718  | 118U3718  | 118U3718  | 118U3718  |
| Liquid valve                    | 009G7050  | 009G7050  | 009G7051  | 009G7051  | 009G7022  | 009G7022  | 009G7022  | 009G7022  | 009G7022  |
| Low-pressure switch             | 118U3720  | 118U3720  | 118U3720  | 118U3720  | 118U3720  | 118U3720  | 118U3720  | 118U3720  | 118U3720  |
| Receiver                        | 118U3474  | 118U3474  | 118U3474  | 118U3474  | 118U3475  | 118U3475  | 118U3475  | 118U3475  | 118U3475  |
| Sight glass                     | 014L0181  | 014L0181  | 014L0181  | 014L0181  | 014L0172  | 014L0172  | 014L0172  | 014L0172  | 014L0172  |
| Suction pressure sensor         | 118U3721  | 118U3721  | 118U3721  | 118U3721  | 118U3721  | 118U3721  | 118U3721  | 118U3721  | 118U3721  |
| Suction valve                   | 009G7051  | 009G7051  | 009G7051  | 009G7051  | 009G7021  | 009G7021  | 009G7021  | 009G7021  | 009G7021  |
| Electrical Spare Parts          |           |           |           |           |           |           |           |           |           |
| Crankcase heater                | 118U0051  | 118U0051  | 118U0051  | 118U0051  | 118U0051  | 118U0051  | 118U0051  | 118U0051  | 118U0051  |
| Optyma™ Plus Controller         | 118U3465  | 118U3465  | 118U3465  | 118U3465  | 118U3465  | 118U3465  | 118U3465  | 118U3465  | 118U3465  |
| Discharge temperature sensor    | 084N2007  | 084N2007  | 084N2007  | 084N2007  | 084N2007  | 084N2007  | 084N2007  | 084N2007  | 084N2007  |
| Suction and ambient temp sensor | 084N0003  | 084N0003  | 084N0003  | 084N0003  | 084N0003  | 084N0003  | 084N0003  | 084N0003  | 084N0003  |
| Contact kit                     | 118U3845  | 118U3845  | 118U3845  | 118U3845  | 118U3846  | 118U3847  | 118U3845  | 118U3845  | 118U3847  |
| Door handle                     | 118U3858  | 118U3858  | 118U3858  | 118U3858  | 118U3858  | 118U3858  | 118U3858  | 118U3858  | 118U3858  |
| Main switch kit                 | 118U3853  | 118U3853  | 118U3853  | 118U3851  | 118U3852  | 118U3852  | 118U3853  | 118U3851  | 118U3852  |
| Run capacitor                   | 123B9222* | 123B9222* | 123B9315  | 123B9315  | 118U5198* | 118U5195* | -         | 118U5194* | 118U5196* |
| Starting capacitor              | 123B9315* | 123B9315* | 123B9215  | 123B9226  |           |           | -         |           |           |
| Starting relay                  | 123B9133  | 123B9133  | 123B9151  | 123B9139  |           |           | -         |           |           |
| Electrical Characteristics      |           |           |           |           |           |           |           |           |           |
| Wiring Diagram                  | WD7       | WD7       | WD7       | WD7       | WD3       | WD3       | WD2       | WD3       | WD3       |
| LRA Compressor [A]              | 14        | 17        | 18.5      | 21        | 33.5      | 38.5      | 18        | 30        | 45        |
| MCC Compressor [A]              | 4.9       | 5.3       | 5.3       | 6.5       | 10.2      | 12.7      | 4         | 8.9       | 15.2      |
| Max cont.power [kW]             | 0.55      | 0.62      | 0.84      | 1.03      | 1.75      | 1.96      | 2.05      | 1.5       | 2.7       |
| MCC Fan [A]                     | 0.32      | 0.32      | 0.32      | 0.32      | 0.47      | 0.47      | 0.47      | 0.47      | 0.47      |
| Fan Power [W]                   | 1x25      | 1x25      | 1x25      | 1x25      | 1x68      | 1x68      | 1x68      | 1x68      | 1x68      |
| Min Fuse rating gL/gG (A)       | 10        | 10        | 10        | 16        | 20        | 20        | 10        | 16        | 20        |
| Accessories (Not Premounted)    |           |           |           |           |           |           |           |           |           |
| Acoustic hood                   | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| Fusible Plug                    | 118U5170  | 118U5170  | 118U5170  | 118U5170  | 118U5170  | 118U5170  | 118U5170  | 118U5170  | 118U5170  |
| Adap-Kool Accessories           |           |           |           |           |           |           |           |           |           |
| External Dplay & settings       | 084B8575  | 084B8575  | 084B8575  | 084B8575  | 084B8575  | 084B8575  | 084B8575  | 084B8575  | 084B8575  |
| Cable for EKA Displays 6 m      | 084B7299  | 084B7299  | 084B7299  | 084B7299  | 084B7299  | 084B7299  | 084B7299  | 084B7299  | 084B7299  |
| Mounting kit for EKA Display    | 084B8584  | 084B8584  | 084B8584  | 084B8584  | 084B8584  | 084B8584  | 084B8584  | 084B8584  | 084B8584  |
| MODBUS Communication Module     | 084B8571  | 084B8571  | 084B8571  | 084B8571  | 084B8571  | 084B8571  | 084B8571  | 084B8571  | 084B8571  |
| Lon-Bus Communication Module    | 084B8579  | 084B8579  | 084B8579  | 084B8579  | 084B8579  | 084B8579  | 084B8579  | 084B8579  | 084B8579  |
| Programming Key                 | 084B8582  | 084B8582  | 084B8582  | 084B8582  | 084B8582  | 084B8582  | 084B8582  | 084B8582  | 084B8582  |
| Sheet Metal                     |           |           |           |           |           |           |           |           |           |
| Top Panel                       | 118U5121  | 118U5121  | 118U5121  | 118U5121  | 118U5126  | 118U5126  | 118U5126  | 118U5126  | 118U5126  |
| Fan Panel                       | 118U5122  | 118U5122  | 118U5122  | 118U5122  | 118U5127  | 118U5127  | 118U5127  | 118U5127  | 118U5127  |
| Back Panel                      | 118U5123  | 118U5123  | 118U5123  | 118U5123  | 118U5128  | 118U5128  | 118U5128  | 118U5128  | 118U5128  |
| Front Panel                     | 118U5124  | 118U5124  | 118U5124  | 118U5124  | 118U5129  | 118U5129  | 118U5129  | 118U5129  | 118U5129  |
| Access Panel                    | 118U5125  | 118U5125  | 118U5125  | 118U5125  | 118U5130  | 118U5130  | 118U5130  | 118U5130  | 118U5130  |
| Left side Panel                 | 118U5163  | 118U5163  | 118U5163  | 118U5163  | 118U5164  | 118U5164  | 118U5164  | 118U5164  | 118U5164  |
| Fan Panel (LH)                  | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| Fan Panel (RH)                  | -         | -         | -         | -         | -         | -         | -         | -         | -         |

MCA - Minimum Circuit Ampacity

MCC - Max Continuous Current

LRA - Locked Rotor Amps

\* - Spare part, Starting Kit

| Designation                         | MPBM034AJ | MPBM018AJ | MPXM034ML   | MPXM034ML   | MPXM046ML   | MPXM046ML   | MPXM057ML   | MPXM057ML   | MPXM068ML   |
|-------------------------------------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Code Number                         | 114X4227  | 114X4230  | 114X4261    | 114X4264    | 114X4281    | 114X4284    | 114X4290    | 114X4293    | 114X4308    |
| Compressor Description              | TAJ4519Z  | CAJ9510Z  | MLZ015T5    | MLZ015T4    | MLZ021T5    | MLZ021T4    | MLZ026T5    | MLZ026T4    | MLZ030T5    |
| Oil                                 | RL32HA/HT | RL32HA/HT | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 |
| Housing                             | H2        | H2        | H2          | H2          | H2          | H2          | H2          | H2          | H3          |
| <b>Spare Parts</b>                  |           |           |             |             |             |             |             |             |             |
| Compressor single pack              | 118U3989  | 118U3988  | 121L8631    | 121L8629    | 121L8635    | 121L8633    | 121L8639    | 121L8637    | 121L8643    |
| Condenser                           | 118U5218  | 118U5218  | 118U5218    | 118U5218    | 118U5218    | 118U5218    | 118U5218    | 118U5218    | 118U5219    |
| Discharge pressure sensor           | 118U3722  | 118U3722  | 118U3722    | 118U3722    | 118U3722    | 118U3722    | 118U3722    | 118U3722    | 118U3722    |
| Fan assembly                        | -         | -         | -           | -           | -           | -           | -           | -           | 118U3829    |
| Fan blade                           | 118U3481  | 118U3481  | 118U3481    | 118U3481    | 118U3481    | 118U3481    | 118U3481    | 118U3481    | -           |
| Fan capacitor                       | 118U3297  | 118U3297  | 118U3297    | 118U3297    | 118U3297    | 118U3297    | 118U3297    | 118U3297    | -           |
| Fan cowl/grill                      | 118U3484  | 118U3484  | 118U3484    | 118U3484    | 118U3484    | 118U3484    | 118U3484    | 118U3484    | 118U3485    |
| Fan motor                           | 118U3823  | 118U3823  | 118U3823    | 118U3823    | 118U3823    | 118U3823    | 118U3823    | 118U3823    | -           |
| Filter drier                        | 023Z5040  | 023Z5041  | 023Z5041    | 023Z5041    | 023Z5041    | 023Z5041    | 023Z5041    | 023Z5041    | 023Z5045    |
| High-pressure switch                | 118U3718  | 118U3718  | 118U3718    | 118U3718    | 118U3718    | 118U3718    | 118U3718    | 118U3718    | 118U3718    |
| Liquid valve                        | 009G7022  | 009G7022  | 009G7052    | 009G7052    | 009G7052    | 009G7052    | 009G7052    | 009G7052    | 009G7053    |
| Low-pressure switch                 | 118U3720  | 118U3720  | 118U3720    | 118U3720    | 118U3720    | 118U3720    | 118U3720    | 118U3720    | 118U3720    |
| Receiver                            | 118U3475  | 118U3475  | 118U3475    | 118U3475    | 118U3475    | 118U3475    | 118U3475    | 118U3475    | 118U3476    |
| Sight glass                         | 014L0172  | 014L0172  | 014L0173    | 014L0173    | 014L0173    | 014L0173    | 014L0173    | 014L0173    | 014L0174    |
| Suction pressure sensor             | 118U3721  | 118U3721  | 118U3721    | 118U3721    | 118U3721    | 118U3721    | 118U3721    | 118U3721    | 118U3721    |
| Suction valve                       | 009G7021  | 009G7021  | 009G7054    | 009G7054    | 009G7054    | 009G7054    | 009G7054    | 009G7054    | 009G7055    |
| <b>Electrical Spare Parts</b>       |           |           |             |             |             |             |             |             |             |
| Crankcase heater                    | 118U0051  | 118U0051  | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    |
| Optyma™ Plus Controller             | 118U3465  | 118U3465  | 118U3465    | 118U3465    | 118U3465    | 118U3465    | 118U3465    | 118U3465    | 118U3465    |
| Discharge temperature sensor        | 084N2007  | 084N2007  | 084N2007    | 084N2007    | 084N2007    | 084N2007    | 084N2007    | 084N2007    | 084N2007    |
| Suction and ambient temp sensor     | 084N0003  | 084N0003  | 084N0003    | 084N0003    | 084N0003    | 084N0003    | 084N0003    | 084N0003    | 084N0003    |
| Contact kit                         | 118U3847  | 118U3845  | 118U3848    | 118U3845    | 118U3848    | 118U3846    | 118U3849    | 118U3846    | 118U3849    |
| Door handle                         | 118U3858  | 118U3858  | 118U3858    | 118U3858    | 118U3858    | 118U3858    | 118U3858    | 118U3858    | 118U3858    |
| Main switch kit                     | 118U3853  | 118U3851  | 118U3854    | 118U3851    | 118U3856    | 118U3852    | 118U3856    | 118U3852    | 118U3857    |
| Run capacitor                       | -         | -         | 8173231     | -           | 120Z0051    | -           | 120Z0051    | -           | 8173233     |
| Starting capacitor                  | -         | 118U5197* | 120Z0399    | -           | 120Z0399    | -           | 120Z0399    | -           | 120Z0040    |
| Starting relay                      | -         | -         | 120Z0393    | -           | 120Z0393    | -           | 120Z0393    | -           | 120Z0394    |
| <b>Electrical Characteristics</b>   |           |           |             |             |             |             |             |             |             |
| Wiring Diagram                      | WD2       | WD2       | WD4         | WD5         | WD4         | WD5         | WD4         | WD5         | WD4         |
| LRA Compressor [A]                  | 30        | 30        | 60          | 30          | 97          | 45          | 97          | 45          | 127         |
| MCC Compressor [A]                  | 7         | 8         | 19          | 7           | 25          | 9.5         | 26          | 10          | 32          |
| Max cont.power [kW]                 | 2.73      | 1.3       | 2.53        | 2.73        | 3.38        | 3.33        | 4.42        | 4.14        | 4.89        |
| MCC Fan [A]                         | 0.47      | 0.47      | 0.47        | 0.47        | 0.47        | 0.47        | 0.47        | 0.47        | 0.97        |
| Fan Power [W]                       | 1x68      | 1x68      | 1x68        | 1x68        | 1x68        | 1x68        | 1x68        | 1x68        | 1x130       |
| Min Fuse rating gL/gG (A)           | 10        | 16        | 25          | 16          | 40          | 20          | 40          | 20          | 50          |
| <b>Accessories (Not Premounted)</b> |           |           |             |             |             |             |             |             |             |
| Acoustic hood                       | -         | -         | 120Z5043    | 120Z5043    | 120Z5043    | 120Z5043    | 120Z5043    | 120Z5043    | 120Z5044    |
| Fusible Plug                        | 118U5170  | 118U5170  | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    |
| <b>Adap-Kool Accessories</b>        |           |           |             |             |             |             |             |             |             |
| External Display & settings         | 084B8575  | 084B8575  | 084B8575    | 084B8575    | 084B8575    | 084B8575    | 084B8575    | 084B8575    | 084B8575    |
| Cable for EKA Displays 6 m          | 084B7299  | 084B7299  | 084B7299    | 084B7299    | 084B7299    | 084B7299    | 084B7299    | 084B7299    | 084B7299    |
| Mounting kit for EKA Display        | 084B8584  | 084B8584  | 084B8584    | 084B8584    | 084B8584    | 084B8584    | 084B8584    | 084B8584    | 084B8584    |
| MODBUS Communication Module         | 084B8571  | 084B8571  | 084B8571    | 084B8571    | 084B8571    | 084B8571    | 084B8571    | 084B8571    | 084B8571    |
| Lon-Bus Communication Module        | 084B8579  | 084B8579  | 084B8579    | 084B8579    | 084B8579    | 084B8579    | 084B8579    | 084B8579    | 084B8579    |
| Programming Key                     | 084B8582  | 084B8582  | 084B8582    | 084B8582    | 084B8582    | 084B8582    | 084B8582    | 084B8582    | 084B8582    |
| <b>Sheet Metal</b>                  |           |           |             |             |             |             |             |             |             |
| Top Panel                           | 118U5126  | 118U5126  | 118U5126    | 118U5126    | 118U5126    | 118U5126    | 118U5126    | 118U5126    | 118U5131    |
| Fan Panel                           | 118U5127  | 118U5127  | 118U5127    | 118U5127    | 118U5127    | 118U5127    | 118U5127    | 118U5127    | 118U5132    |
| Back Panel                          | 118U5128  | 118U5128  | 118U5128    | 118U5128    | 118U5128    | 118U5128    | 118U5128    | 118U5128    | 118U5133    |
| Front Panel                         | 118U5129  | 118U5129  | 118U5129    | 118U5129    | 118U5129    | 118U5129    | 118U5129    | 118U5129    | 118U5134    |
| Access Panel                        | 118U5130  | 118U5130  | 118U5130    | 118U5130    | 118U5130    | 118U5130    | 118U5130    | 118U5130    | 118U5135    |
| Left side Panel                     | 118U5164  | 118U5164  | 118U5164    | 118U5164    | 118U5164    | 118U5164    | 118U5164    | 118U5164    | 118U5165    |
| Fan Panel (LH)                      | -         | -         | -           | -           | -           | -           | -           | -           | -           |
| Fan Panel (RH)                      | -         | -         | -           | -           | -           | -           | -           | -           | -           |

MCA - Minimum Circuit Ampacity  
 MCC - Max Continuous Current  
 LRA - Locked Rotor Amps  
 \* - Spare part, Starting Kit

| Designation                         | MPXM068ML   | MPXM080ML   | MPXM080ML   | MPXM108ML   | MPXM125ML   | MPXM162ML   |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Code Number                         | 114X4311    | 114X4321    | 114X4324    | 114X4344    | 114X4414    | 114X4434    |
| Compressor Description              | MLZ030T4    | MLZ038T5    | MLZ038T4    | MLZ048T4    | MLZ058T4    | MLZ076T4    |
| Oil                                 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 | 215PZ-POE46 |
| Housing                             | H3          | H3          | H3          | H3          | H4          | H4          |
| <b>Spare Parts</b>                  |             |             |             |             |             |             |
| Compressor single pack              | 121L8641    | 121L8647    | 121L8645    | 121L8651    | 121L8653    | 121L8655    |
| Condenser                           | 118U5219    | 118U5219    | 118U5219    | 118U5219    | 118U5220    | 118U5220    |
| Discharge pressure sensor           | 118U3722    | 118U3722    | 118U3722    | 118U3722    | 118U3722    | 118U3722    |
| Fan assembly                        | 118U3829    | 118U3829    | 118U3829    | 118U3829    | 118U3829    | 118U3829    |
| Fan blade                           | -           | -           | -           | -           | -           | -           |
| Fan capacitor                       | -           | -           | -           | -           | -           | -           |
| Fan cowl/grill                      | 118U3485    | 118U3485    | 118U3485    | 118U3485    | 118U3485    | 118U3485    |
| Fan motor                           | -           | -           | -           | -           | -           | -           |
| Filter drier                        | 023Z5045    | 023Z5045    | 023Z5045    | 023Z5045    | 023Z5046    | 023Z5046    |
| High-pressure switch                | 118U3718    | 118U3718    | 118U3718    | 118U3718    | 118U3718    | 118U3718    |
| Liquid valve                        | 009G7053    | 009G7053    | 009G7053    | 009G7053    | 009G7054    | 009G7054    |
| Low-pressure switch                 | 118U3720    | 118U3720    | 118U3720    | 118U3720    | 118U3720    | 118U3720    |
| Receiver                            | 118U3476    | 118U3476    | 118U3476    | 118U3476    | 118U3926    | 118U3926    |
| Sight glass                         | 014L0174    | 014L0174    | 014L0174    | 014L0174    | 014L0175    | 014L0175    |
| Suction pressure sensor             | 118U3721    | 118U3721    | 118U3721    | 118U3721    | 118U3721    | 118U3721    |
| Suction valve                       | 009G7055    | 009G7055    | 009G7055    | 009G7055    | 009G7056    | 009G7056    |
| <b>Electrical Spare Parts</b>       |             |             |             |             |             |             |
| Crankcase heater                    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    | 120Z5040    |
| Optyma™ Plus Controller             | 118U3465    | 118U3465    | 118U3465    | 118U3465    | 118U3465    | 118U3465    |
| Discharge temperature sensor        | 084N2007    | 084N2007    | 084N2007    | 084N2007    | 084N2007    | 084N2007    |
| Suction and ambient temp sensor     | 084N0003    | 084N0003    | 084N0003    | 084N0003    | 084N0003    | 084N0003    |
| Contact kit                         | 118U3847    | 118U3850    | 118U3847    | 118U3848    | 118U3847    | 118U3848    |
| Door handle                         | 118U3858    | 118U3858    | 118U3858    | 118U3858    | 118U3858    | 118U3858    |
| Main switch kit                     | 118U3852    | 118U3857    | 118U3852    | 118U3854    | 118U3855    | 118U3856    |
| Run capacitor                       | -           | 8173234     | -           | -           | -           | -           |
| Starting capacitor                  | -           | 8173001     | -           | -           | -           | -           |
| Starting relay                      | -           | 120Z0395    | -           | -           | -           | -           |
| <b>Electrical Characteristics</b>   |             |             |             |             |             |             |
| Wiring Diagram                      | WD5         | WD4         | WD5         | WD5         | WD6         | WD6         |
| LRA Compressor [A]                  | 60          | 130         | 70          | 87          | 95          | 140         |
| MCC Compressor [A]                  | 13          | 38          | 15          | 16          | 20          | 25          |
| Max cont.power [kW]                 | 4.88        | 5.77        | 5.78        | 7.55        | 9.39        | 11.41       |
| MCC Fan [A]                         | 0.97        | 0.47        | 0.97        | 0.97        | 2x0.97      | 2x0.97      |
| Fan Power [W]                       | 1x130       | 1x130       | 1x130       | 1x130       | 1x130       | 1x130       |
| Min Fuse rating gL/gG (A)           | 20          | 50          | 20          | 25          | 32          | 40          |
| <b>Accessories (Not Premounted)</b> |             |             |             |             |             |             |
| Acoustic hood                       | 120Z5044    | 120Z5044    | 120Z5044    | 120Z5044    | 120Z5045    | 120Z5045    |
| Fusible Plug                        | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    | 118U5170    |
| <b>Adap-Kool Accessories</b>        |             |             |             |             |             |             |
| External Display & settings         | 084B8575    | 084B8575    | 084B8575    | 084B8575    | 084B8575    | 084B8575    |
| Cable for EKA Displays 6 m          | 084B7299    | 084B7299    | 084B7299    | 084B7299    | 084B7299    | 084B7299    |
| Mounting kit for EKA Display        | 084B8584    | 084B8584    | 084B8584    | 084B8584    | 084B8584    | 084B8584    |
| MODBUS Communication Module         | 084B8571    | 084B8571    | 084B8571    | 084B8571    | 084B8571    | 084B8571    |
| Lon-Bus Communication Module        | 084B8579    | 084B8579    | 084B8579    | 084B8579    | 084B8579    | 084B8579    |
| Programming Key                     | 084B8582    | 084B8582    | 084B8582    | 084B8582    | 084B8582    | 084B8582    |
| <b>Sheet Metal</b>                  |             |             |             |             |             |             |
| Top Panel                           | 118U5131    | 118U5131    | 118U5131    | 118U5131    | 118U5136    | 118U5136    |
| Fan Panel                           | 118U5132    | 118U5132    | 118U5132    | 118U5132    | -           | -           |
| Back Panel                          | 118U5133    | 118U5133    | 118U5133    | 118U5133    | 118U5139    | 118U5139    |
| Front Panel                         | 118U5134    | 118U5134    | 118U5134    | 118U5134    | -           | -           |
| Access Panel                        | 118U5135    | 118U5135    | 118U5135    | 118U5135    | 118U5140    | 118U5140    |
| Left side Panel                     | 118U5165    | 118U5165    | 118U5165    | 118U5165    | 118U5166    | 118U5166    |
| Fan Panel (LH)                      | -           | -           | -           | -           | 118U5137    | 118U5137    |
| Fan Panel (RH)                      | -           | -           | -           | -           | 118U5138    | 118U5138    |

MCA - Minimum Circuit Ampacity  
 MCC - Max Continuous Current  
 LRA - Locked Rotor Amps  
 \* - Spare part, Starting Kit

# Catalogue

## Optyma™ Plus - Spare parts & accessories list

| Component type                | Component code | Component description                   | Additional informations                                  |
|-------------------------------|----------------|-----------------------------------------|----------------------------------------------------------|
| Acoustic Hood                 | 120Z0575       | ACOUSTIC HOOD COMP 1CYL                 |                                                          |
| Acoustic Hood                 | 120Z5043       | ACCOUSTIC HOOD - SMALL FRAME            |                                                          |
| Acoustic Hood                 | 120Z5044       | Acoustic hood for Scroll MLZ compressor |                                                          |
| Acoustic Hood                 | 120Z5045       | ACCOUSTIC HOOD, LARGE FRAME             |                                                          |
| Acoustic Hood                 | 120Z5052       | Sound Cover, LLZ013-018                 |                                                          |
| Cable for EKA Displays 6 m    | 084B7299       | EKA Accessory                           |                                                          |
| Capacitor                     | 8173001        | CAPACITOR 100µF 330V+R                  |                                                          |
| Capacitor                     | 8173041        | CAPACITOR 30µF 450V                     |                                                          |
| Compressor Single Pack        | 118U3914       | FH2511Z                                 |                                                          |
| Compressor Single Pack        | 118U3915       | TFH2511Z                                |                                                          |
| Compressor Single Pack        | 118U3988       | CAJ9510Z - AJ2 range                    |                                                          |
| Compressor Single Pack        | 118U3989       | TAJ4519Z - AJ2 range                    |                                                          |
| Compressor Single Pack        | 118U3991       | TAJ4517Z - AJ2 range                    |                                                          |
| Compressor Single Pack        | 118U3992       | CAJ2446Z - AJ2 range                    |                                                          |
| Compressor Single Pack        | 118U3993       | CAJ4517Z - AJ2 range                    |                                                          |
| Compressor Single Pack        | 118U3994       | CAJ4519Z - AJ2 range                    |                                                          |
| Compressor Single Pack        | 118U3995       | CAJ9513Z - AJ2 range                    |                                                          |
| Compressor Single Pack        | 118U3996       | CAJ4511Y - AJ2 range                    |                                                          |
| Compressor Single Pack        | 120F0226       | NTZ048-4LR1B                            |                                                          |
| Compressor Single Pack        | 120F0228       | NTZ048-5LR1B                            |                                                          |
| Compressor Single Pack        | 120F0230       | NTZ068-4LR1B                            |                                                          |
| Compressor Single Pack        | 120F0232       | NTZ068-5LR1B                            |                                                          |
| Compressor Single Pack        | 120F0234       | NTZ096A4LR1B                            |                                                          |
| Compressor Single Pack        | 120F0236       | NTZ136A4LR1B                            |                                                          |
| Compressor Single Pack        | 121L8629       | MLZ015T4LP9A                            |                                                          |
| Compressor Single Pack        | 121L8631       | MLZ015T5LP9A                            |                                                          |
| Compressor Single Pack        | 121L8633       | MLZ021T4LP9A                            |                                                          |
| Compressor Single Pack        | 121L8635       | MLZ021T5LP9A                            |                                                          |
| Compressor Single Pack        | 121L8637       | MLZ026T4LP9A                            |                                                          |
| Compressor Single Pack        | 121L8639       | MLZ026T5LP9A                            |                                                          |
| Compressor Single Pack        | 121L8641       | MLZ030T4LC9A                            |                                                          |
| Compressor Single Pack        | 121L8643       | MLZ030T5LC9A                            |                                                          |
| Compressor Single Pack        | 121L8645       | MLZ038T4LC9A                            |                                                          |
| Compressor Single Pack        | 121L8647       | MLZ038T5LC9A                            |                                                          |
| Compressor Single Pack        | 121L8651       | MLZ048T4LC9A                            |                                                          |
| Compressor Single Pack        | 121L8653       | MLZ058T4LC9A                            |                                                          |
| Compressor Single Pack        | 121L8655       | MLZ076T4LC9A                            |                                                          |
| Compressor Single Pack        | 121L9541       | LLZ024T4LQ9A                            |                                                          |
| Compressor Single Pack        | 121L9543       | LLZ034T4LQ9A                            |                                                          |
| Compressor Single Pack        | 123B2127       | MPT16LA                                 |                                                          |
| Compressor Single Pack        | 123B2510       | MLY80RAb                                |                                                          |
| Compressor Single Pack        | 123B2514       | MLY90RAb                                |                                                          |
| Compressor Single Pack        | 123B2518       | MPT12RA                                 |                                                          |
| Compressor Single Pack        | 123B2704       | MPT14RA                                 |                                                          |
| Compressor Single Pack        | 195B0323       | SC12MLX                                 | CU phased out but spare part still available             |
| Compressor Single Pack        | 195B0332       | SC18CLX.2                               | CU phased out but spare part still available             |
| Compressor Single Pack        | 195B0345       | SC10MLX                                 | CU phased out but spare part still available             |
| Compressor Single Pack        | 195B0391       | SC15MLX                                 | CU phased out but spare part still available             |
| Compressor Single Pack        | 195B0427       | GS26CLX                                 | CU phased out but spare part still available             |
| Compressor Single Pack        | 195B0435       | GS34MFX                                 | CU phased out but spare part still available             |
| Compressor Single Pack        | 195B0438       | GS34MLX                                 | CU phased out but spare part still available             |
| Compressor Single Pack        | 195B0443       | NF7MLX                                  | CU phased out but spare part still available             |
| Compressor Single Pack        | 195B0624       | SC18MLX                                 | CU phased out but spare part still available             |
| Condenser                     | 118U3492       | Spare part, A7 MCHX                     | Phased out & replaced by 118U5217 from SN: -096147CG0419 |
| Condenser                     | 118U3493       | Spare part, D7 MCHX                     | Phased out & replaced by 118U5218 from SN: -096147CG0419 |
| Condenser                     | 118U3494       | Spare part, G7 MCHX                     | Phased out & replaced by 118U5219 from SN: -096147CG0419 |
| Condenser                     | 118U3717       | Spare part, J7 MCHX                     | Phased out & replaced by 118U5220 from SN: -096147CG0420 |
| Discharge pressure sensor     | 075G1036       | Sensor DST P110 (0 to 32 bar SG)        |                                                          |
| Suction pressure sensor       | 075G1013       | Sensor DST P110 (-1 to 12 bar SG)       |                                                          |
| Electric expansion valve      | 034G5015       | ETS 6-14 Electric expansion valve       |                                                          |
| Electric expansion valve coil | 034G5145       | ETS 6 coil for Ele expansion valve      |                                                          |
| Electric expansion valve coil | 034G5185       | ETS 6 coil for Ele expansion valve      |                                                          |



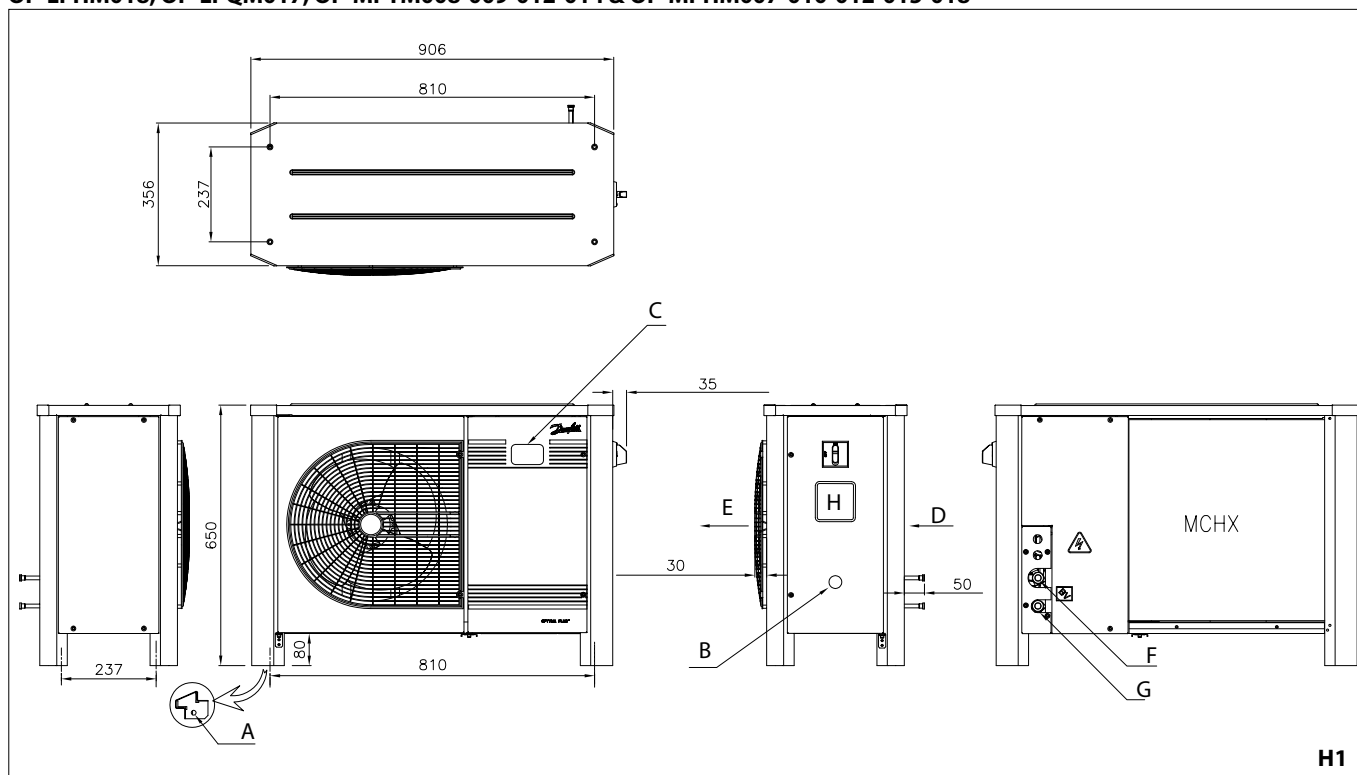
| Component type                     | Component code | Component description                             | Additional informations         |
|------------------------------------|----------------|---------------------------------------------------|---------------------------------|
| Contactorkit                       | 118U3845       | A 9-30-01-80, DILM07-01, DILM09-01                |                                 |
| Contactorkit                       | 118U3846       | A12-30-01-80, DILM12-01                           |                                 |
| Contactorkit                       | 118U3847       | A 16-30-01-80, DILM15-01                          |                                 |
| Contactorkit                       | 118U3848       | A 26-30-01-80, DILM17-01                          |                                 |
| Contactorkit                       | 118U3849       | A 30-30-01-80, DILM25-01                          |                                 |
| Contactorkit                       | 118U3850       | A 50-30-00-80, DILM32-01                          |                                 |
| Crankcase heater                   | 120Z0057       | Belt type, 50 W, 230 V, CE mark, UL               |                                 |
| Crankcase heater                   | 120Z0459       | PTC heater 27 W, CE mark, UL                      |                                 |
| Crankcase heater                   | 120Z5040       | Belt type, 70 W, 240 V, CE mark, UL               |                                 |
| Crankcase heater                   | 118U0051       | CRANKCASE HEATER 55W                              |                                 |
| Discharge pressure sensor          | 118U3722       | AKS 32R 0...32 bar                                |                                 |
| Discharge temperature sensor       | 084N2007       | AKS 21 A -70 TIL 160                              |                                 |
| Door handle                        | 118U3858       | Door handle, ABB-OHB2AJM,MSMN,OXSSX131            |                                 |
| External Display & settings        | 084B8575       | EKA 164B, Display, Remote setting                 |                                 |
| Fan assembly                       | 118U3829       | FAN ASSEMBLIES, EBM, ERP2015                      |                                 |
| Fan blade                          | 118U3480       | FAN BLADE 14"                                     |                                 |
| Fan blade                          | 118U3481       | FAN BLADE 18"                                     |                                 |
| Fan capacitor                      | 118U3296       | CAPACITOR 1,8 µF                                  |                                 |
| Fan capacitor                      | 118U3297       | CAPACITOR 3,5 µF                                  |                                 |
| Fan cowl/grill                     | 118U3483       | FAN GRILL HOUSING Ø356 mm                         |                                 |
| Fan cowl/grill                     | 118U3484       | FAN GRILL HOUSING Ø457 mm                         |                                 |
| Fan cowl/grill                     | 118U3485       | FAN GRILL HOUSING Ø609 mm                         |                                 |
| Fan motor (Capacitor not included) | 118U3477       | FAN MOTOR 25W                                     |                                 |
| Fan motor (Capacitor not included) | 118U3823       | FAN MOTOR 68 W                                    |                                 |
| Fan motor (Capacitor not included) | 118U3478       | FAN MOTOR 75W                                     |                                 |
| Filter drier                       | 023Z5039       | Filter drier DML 082                              |                                 |
| Filter drier                       | 023Z5040       | Filter drier DML083                               |                                 |
| Filter drier                       | 023Z5041       | Filter drier DML084                               |                                 |
| Filter drier                       | 023Z5044       | Filter drier DML164                               |                                 |
| Filter drier                       | 023Z5045       | Filter drier DML165                               |                                 |
| Filter drier                       | 023Z5046       | Filter drier DML166                               |                                 |
| High-pressure switch               | 118U3718       | ACB-2UB463W                                       |                                 |
| Liquid valve                       | 009G7050       | GBC 6s Ball Valve M/25                            |                                 |
| Liquid valve                       | 009G7051       | GBC 10s Ball Valve M/25                           |                                 |
| Liquid valve                       | 009G7052       | GBC 12s Ball Valve M/25                           |                                 |
| Liquid valve                       | 009G7053       | GBC 16s Ball Valve M/25                           |                                 |
| Liquid valve                       | 009G7054       | GBC 18s Ball Valve M/25                           |                                 |
| Lon-Bus COM Module                 | 084B8579       | EKA175, LON-module                                |                                 |
| Low-pressure switch                | 118U3720       | ACB-2UA418W                                       |                                 |
| Liquid injection controller        | 118U4010       | Spare Part, Module B Plus                         |                                 |
| Main switch kit                    | 118U3855       | MPCB,MS132-25+HK1-12                              |                                 |
| Main switch kit                    | 118U3856       | MPCB,MS132-32+HK1-12                              |                                 |
| Main switch kit                    | 118U3857       | MPCB,MS450-40+HK54-21                             |                                 |
| MODBUS COM Module                  | 084B8571       | EKA 178B, Modbus Module                           |                                 |
| Mounting kit for EKA Display       | 084B8584       | Mounting kit, EKA display                         |                                 |
| MPCB                               | 118U3851       | MPCB,MS116-10+HK1-12                              |                                 |
| MPCB                               | 118U3852       | MPCB,MS116-16+HK1-12                              |                                 |
| MPCB                               | 118U3853       | MPCB,MS116-6.3+HK1-12                             |                                 |
| MPCB                               | 118U3854       | MPCB,MS132-20+HK1-12                              |                                 |
| Oil                                | -              | POE32 for Light Commercial (MLY / MPT)            |                                 |
| Oil                                | -              | RL32HA/HT for light Commercial (CAJ/FH/TAJ/TFH)   |                                 |
| Oil                                | 120Z0638       | 1 litre can of 175PZ - POE (NTZ Platform)         | CU with a SN above 051220CG3016 |
| Oil                                | 120Z0639       | 2,5 litre can of 175PZ - POE (NTZ Platform)       | CU with a SN above 051220CG3016 |
| Oil                                | 120Z0648       | 1 litre can of 215PZ - POE46 (MLZ & LLZ Platform) | CU with a SN above 051220CG3016 |
| Optyma Plus Controller             | 118U3465       | OPTYMA PLUS CONTROLLER-084B8080                   |                                 |
| Programming Key                    | 084B8582       | AKA183A                                           |                                 |
| Receiver                           | 118U3474       | LIQUID RECEIVER 1,3 L                             |                                 |
| Receiver                           | 118U3475       | LIQUID RECEIVER 3,4 L                             |                                 |
| Receiver                           | 118U3476       | LIQUID RECEIVER 6,2 L                             |                                 |
| Receiver                           | 118U3716       | LIQUID RECEIVER 10 L                              |                                 |
| Run capacitor                      | 7701035        | PSC starting kit, 30 µF, 15 µF                    |                                 |
| Run capacitor                      | 8173231        | Run capacitor 440V, 40 µF                         |                                 |
| Run capacitor                      | 8173233        | Run capacitor 440V, 50 µF                         |                                 |
| Run capacitor                      | 8173234        | Run capacitor 440V, 55 µF                         |                                 |

# Catalogue

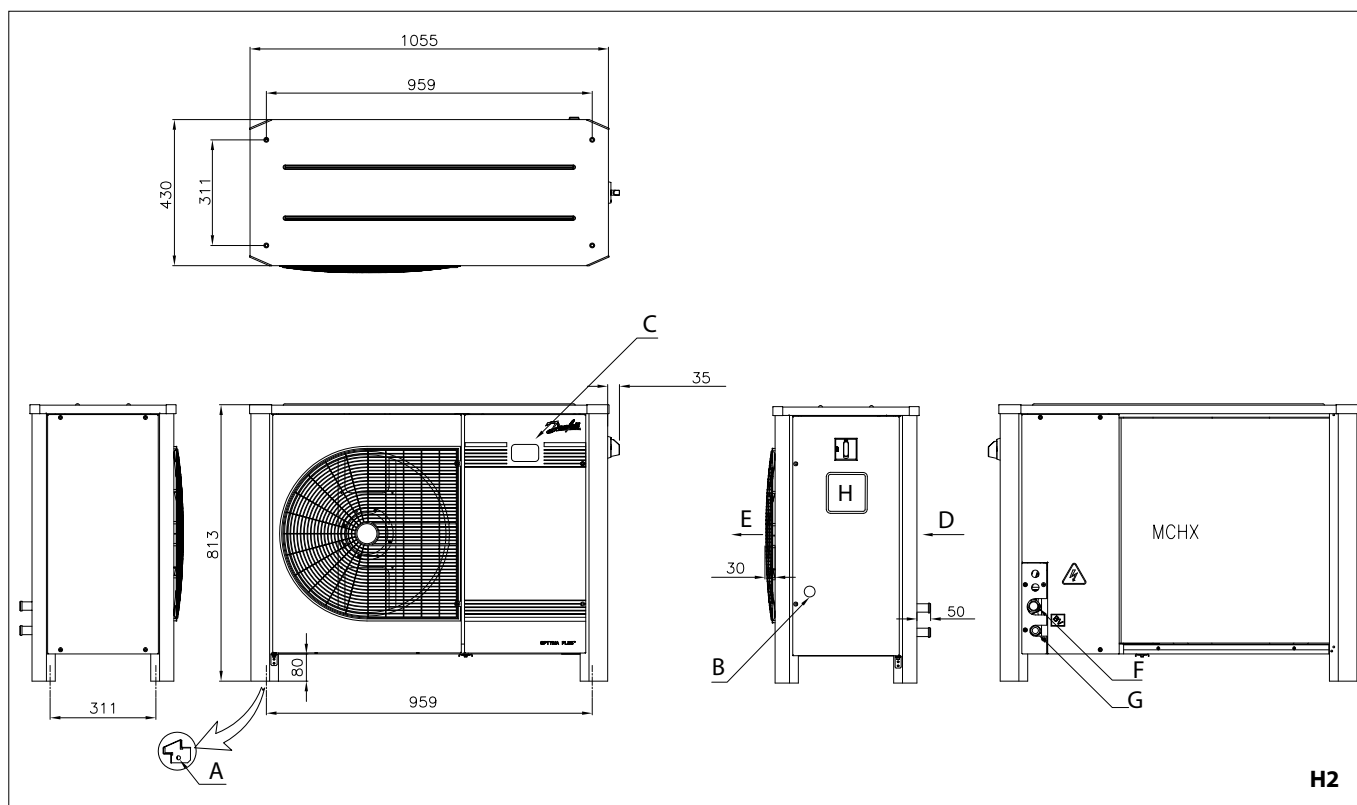
## Optyma™ Plus - Spare parts & accessories list

| Component type          | Component code | Component description                   | Additional informations |
|-------------------------|----------------|-----------------------------------------|-------------------------|
| Run capacitor           | 120Z0051       | Run capacitor 70 µF                     |                         |
| Sight glass             | 014L0172       | Sight Glass, SGP 10 N                   |                         |
| Sight glass             | 014L0173       | Sight Glass, SGP 12 N                   |                         |
| Sight glass             | 014L0174       | Sight Glass, SGP 16 N                   |                         |
| Sight glass             | 014L0175       | Sight Glass, SGP 19 N                   |                         |
| Sight glass             | 014L0181       | Sight Glass, SGP 6s N                   |                         |
| Sight glass             | 014L0182       | Sight Glass, SGP 10s N                  |                         |
| Starting capacitor      | 123B9215       | CAPACITOR 20µF/420V, REF. 309 MET       |                         |
| Starting capacitor      | 117U5012       | Start capacitor 125 µF, 220V - SC       |                         |
| Starting capacitor      | 117U5017       | Start capacitor 80 µF, 220V - SC        |                         |
| Starting capacitor      | 117U5018       | Start capacitor 125 µF, 220V - NF,NL    |                         |
| Starting capacitor      | 120Z0040       | Start capacitor 161-193 µF              |                         |
| Starting capacitor      | 120Z0399       | Start capacitor 145-175 µF              |                         |
| Starting relay          | 8173022        | Starting relay type RVA-6AMKL/3ARR3J4A4 |                         |
| Starting relay          | 117U4139       | RELAY ASSY. HST - "MRP56EN-6; 117U2121  |                         |
| Starting relay          | 120Z0393       | Starting relay type RVA9CKL/3ARR3J4A4   |                         |
| Starting relay          | 120Z0394       | Starting relay type RVA3EKL/3ARR3J24P4  |                         |
| Starting relay          | 120Z0395       | Starting relay type RVA4GKL/3ARR3J25S4  |                         |
| Relay                   | 117-7027       | SC-RELAY                                |                         |
| Suc & Amb temp sensor   | 084N0003       | Sensor, AKS11                           |                         |
| Suction pressure sensor | 118U3721       | AKS 32R -1...12 bar                     |                         |
| Suction valve           | 009G7055       | GBC 22s Ball Valve M/25                 |                         |
| Suction valve           | 009G7056       | GBC 28s Ball Valve M/5                  |                         |
| Starting KIT            | 118U5191       | CAJ2446Z _ F1 KIT Capacitor and relay   |                         |
| Starting KIT            | 118U5192       | CAJ2464Z _ F1 KIT Capacitor and relay   |                         |
| Starting KIT            | 118U5193       | CAJ4492Y _ F1 KIT Capacitor and relay   |                         |
| Starting KIT            | 118U5194       | CAJ4511Y _ F1KIT Capacitor and relay    |                         |
| Starting KIT            | 118U5195       | CAJ4517Z _ F1 KIT Capacitor and relay   |                         |
| Starting KIT            | 118U5196       | CAJ4519Z _ F1 KIT Capacitor and relay   |                         |
| Starting KIT            | 118U5197       | CAJ9510Z _ F1 KIT Capacitor and relay   |                         |
| Starting KIT            | 118U5198       | CAJ9513Z _ F1KIT Capacitor and relay    |                         |
| Starting KIT            | 118U5199       | FH2511Z _ F1KIT Capacitor and relay     |                         |
| Start capacitor         | 123B9316       | STARTING CAPACITOR+CC 72-88µF/330V R216 |                         |
| Run C capacitor         | 123B9219       | RUN CAPACITOR 16µF/420V, REF. 321       |                         |
| Relay                   | 123B9151       | RELAY + CON. BOARD 1158-8 BDG 158S+ NTC |                         |
| Start capacitor         | 123B9315       | STARTING CAPACITOR+CC 64-77µF/330V R205 |                         |
| Run C capacitor         | 123B9222       | RUN CAPACITOR 10µF/420V, REF. 326       |                         |
| Relay                   | 123B9133       | RELAY + CON. BOARD 1149-8 BDG 149S+ NTC |                         |
| Start capacitor         | 117U5373       | START CAPACITOR 80 mfd                  |                         |
| Relay                   | 123B9139       | RELAY + CON. BOARD 1166-8 BDG 166S+ NTC |                         |
| Run C capacitor         | 123B9226       | RUN CAPACITOR 25µF/420V, REF. 310 MET.  |                         |
| Top Panel H1            | 118U5121       | SPARE PART, SHEET METAL TOP H1          |                         |
| Fan panel H1            | 118U5122       | SPARE PART, SHEET METAL FAN H1          |                         |
| Back Panel H1           | 118U5123       | SPARE PART, SHEET METAL BACK H1         |                         |
| Front Panel H1          | 118U5124       | SPARE PART, SHEET METAL FRONT H1        |                         |
| Access Panel H1         | 118U5125       | SPARE PART, SHEET METAL ACCESS H1       |                         |
| Left Side Panel H1      | 118U5163       | SPARE PART, SHEET METAL LEFT SIDE H1    |                         |
| Top Panel H2            | 118U5126       | SPARE PART, SHEET METAL TOP H2          |                         |
| Fan panel H2            | 118U5127       | SPARE PART, SHEET METAL FAN H2          |                         |
| Back Panel H2           | 118U5128       | SPARE PART, SHEET METAL BACK H2         |                         |
| Front Panel H2          | 118U5129       | SPARE PART, SHEET METAL FRONT H2        |                         |
| Access Panel H2         | 118U5130       | SPARE PART, SHEET METAL ACCESS H2       |                         |
| Left Side Panel H2      | 118U5164       | SPARE PART, SHEET METAL LEFT SIDE H2    |                         |
| Top Panel H3            | 118U5131       | SPARE PART, SHEET METAL TOP H3          |                         |
| Fan panel H3            | 118U5132       | SPARE PART, SHEET METAL FAN H3          |                         |
| Back Panel H3           | 118U5133       | SPARE PART, SHEET METAL BACK H3         |                         |
| Front Panel H3          | 118U5134       | SPARE PART, SHEET METAL FRONT H3        |                         |
| Access Panel H3         | 118U5135       | SPARE PART, SHEET METAL ACCESS H3       |                         |
| Left Side Panel H3      | 118U5165       | SPARE PART, SHEET METAL LEFT SIDE H3    |                         |
| Top Panel H4            | 118U5136       | SPARE PART, SHEET METAL TOP H4          |                         |
| Fan LH panel H4         | 118U5137       | SPARE PART, SHEET METAL FAN LH H4       |                         |
| Fan RH panel H4         | 118U5138       | SPARE PART, SHEET METAL FAN RH H4       |                         |
| Back Panel H4           | 118U5139       | SPARE PART, SHEET METAL BACK H4         |                         |
| Access Panel H4         | 118U5140       | SPARE PART, SHEET METAL ACCESS H4       |                         |
| Left Side Panel H4      | 118U5166       | SPARE PART, SHEET METAL LEFT SIDE H4    |                         |

OP-LPHM018, OP-LPQM017, OP-MPYM008-009-012-014 & OP-MPHM007-010-012-015-018



OP-LPQM026-048-068-074 & OP-MPBM018-024-026-034 & OP-MPXM034-046-057 & OP-MPGM033-34 & OP-MPHM026-034 & OP-LPHM026



Technical drawing of the H3 outdoor air conditioning unit, showing front, side, and rear views with dimensions and labels.

**Front View (Top):** Dimensions: 1406 (width), 1310 (inner width), 481 (height), 362 (inner height). The unit features two horizontal louvers.

**Side View (Bottom Left):** Dimensions: 965 (height), 1310 (width), 362 (depth). A circular fan grille is visible. A warning symbol (A) is shown near the bottom left corner.

**Rear View (Bottom Right):** Dimensions: 35 (top flange), 50 (bottom flange). Labels include:
 

- C:** Points to the top flange.
- E:** Points to the top flange.
- B:** Points to the top flange.
- D:** Points to the bottom flange.
- F:** Points to the bottom flange.
- G:** Points to the bottom flange.
- H:** Points to the top flange.
- MCHX:** Label for the condenser coils.
- Warning symbol:** A triangle with an exclamation mark.

**Label H3:** Located at the bottom right corner of the drawing.

Technical drawing of the H4 outdoor air conditioning unit, showing three views: top, front, and side.

**Top View:** Shows the unit's footprint with a total width of 1800 mm and a total depth of 600 mm. The internal width is divided into two 851 mm sections. The depth is divided into a 479 mm section and a 121 mm section.

**Front View:** Shows the unit's height of 966 mm and its width of 1702 mm. It features two large circular fans. A label 'A' points to a warning symbol (a lightning bolt inside a triangle) located at the bottom left corner. A dimension of 35 mm is indicated at the top right.

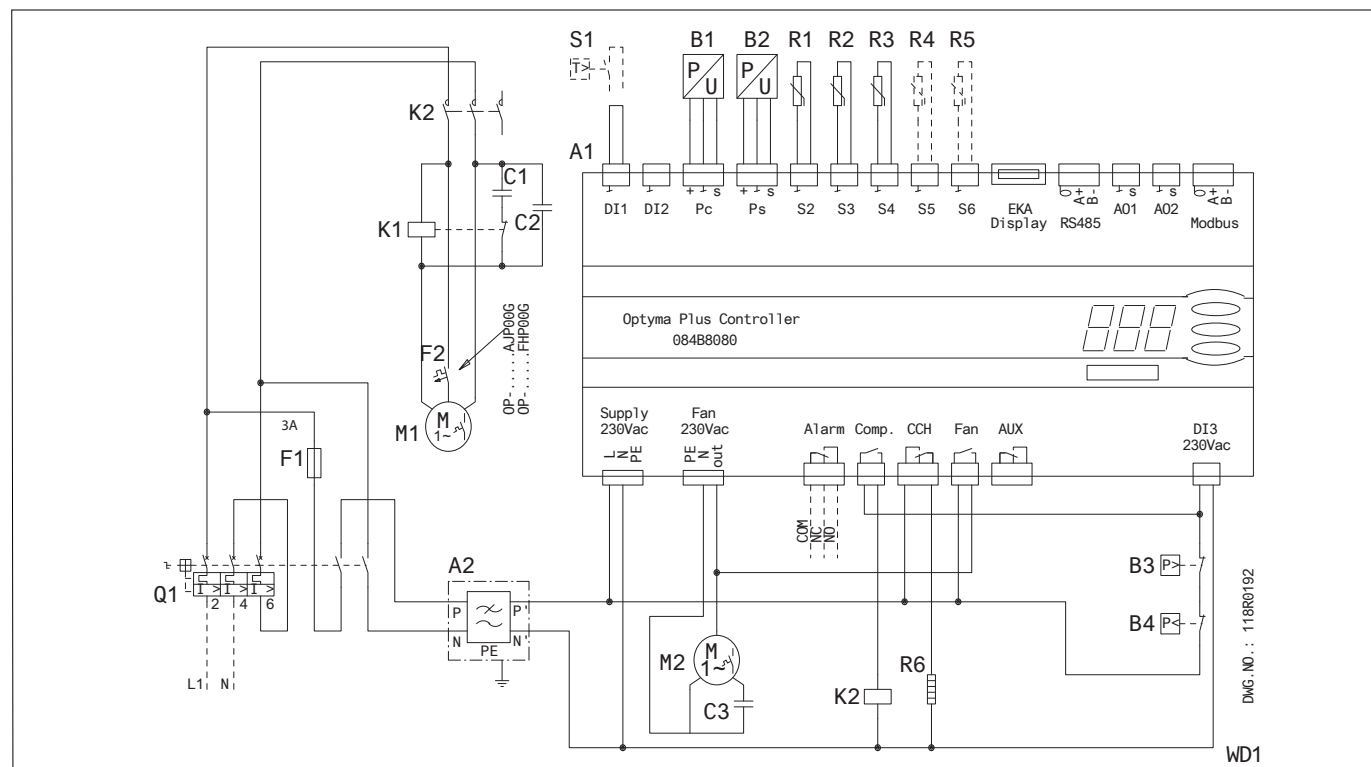
**Side View:** Shows the unit's depth of 479 mm. It includes labels B, C, D, E, F, G, and H pointing to various components and connection points. A warning symbol is also present on the side panel. A dimension of 50 mm is indicated at the bottom right.

**Internal View:** Shows the internal components, including the MCHX (Main Cooling Heat Exchanger) and the fan assembly. Labels F and G point to electrical connection points.

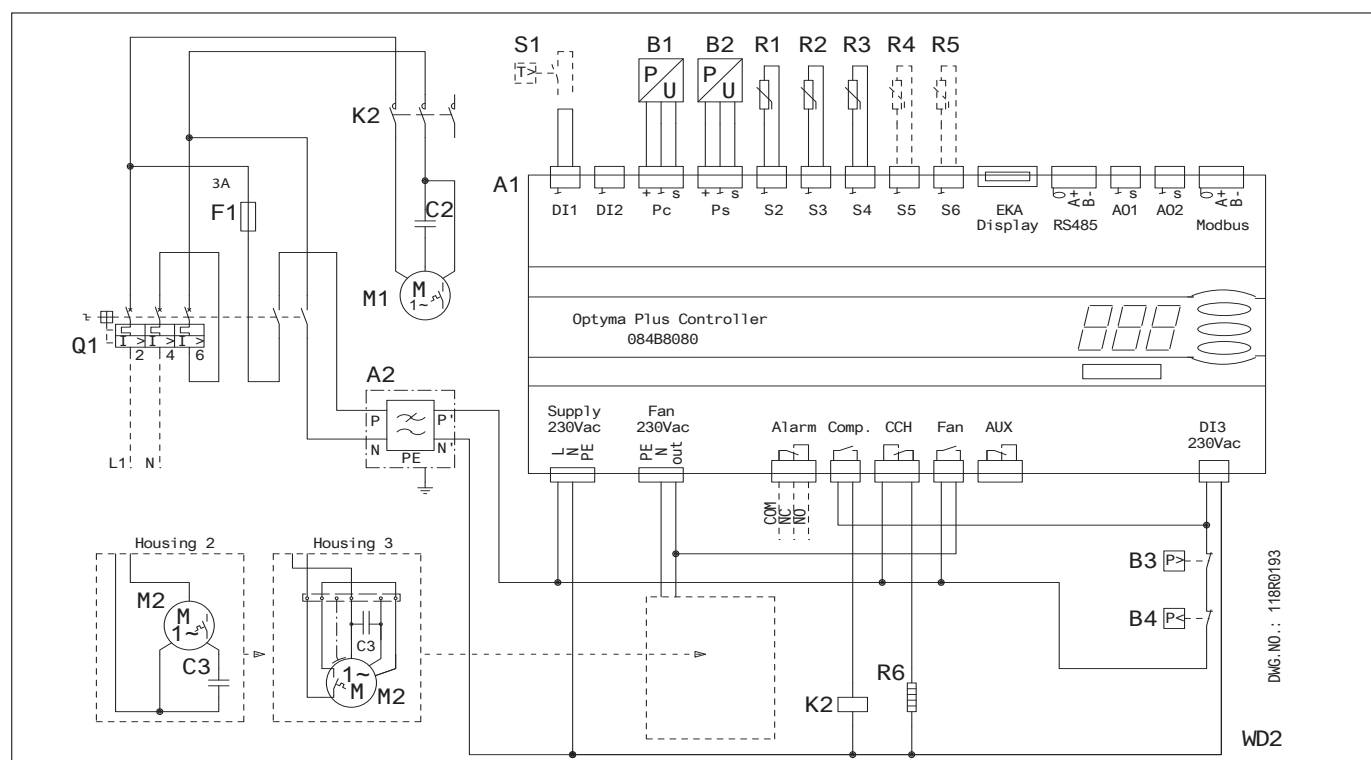
Note: all dimension are in mm



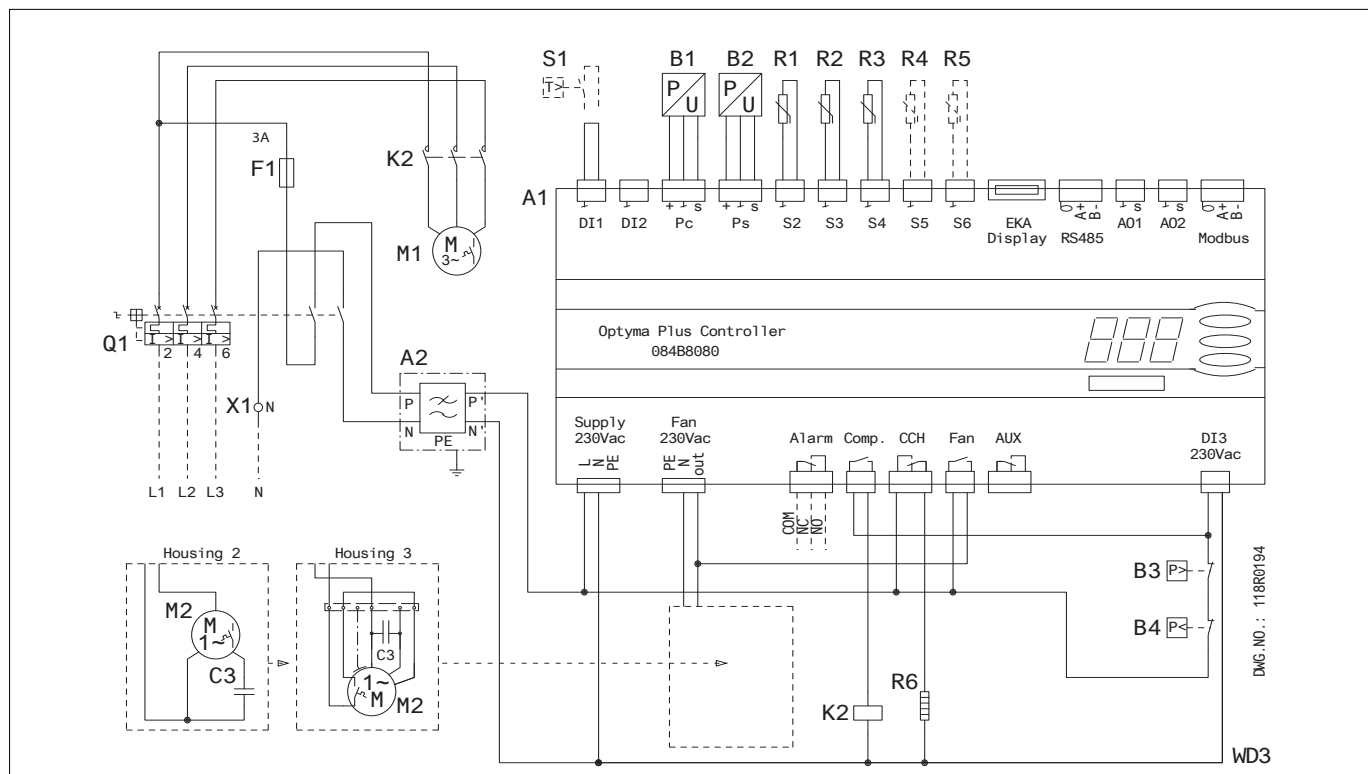
Code G : OP-LPQM026-048-068-074 & OP-MPGM033-34 & OP-LPHM026, OP-MPBM018-024-026-034



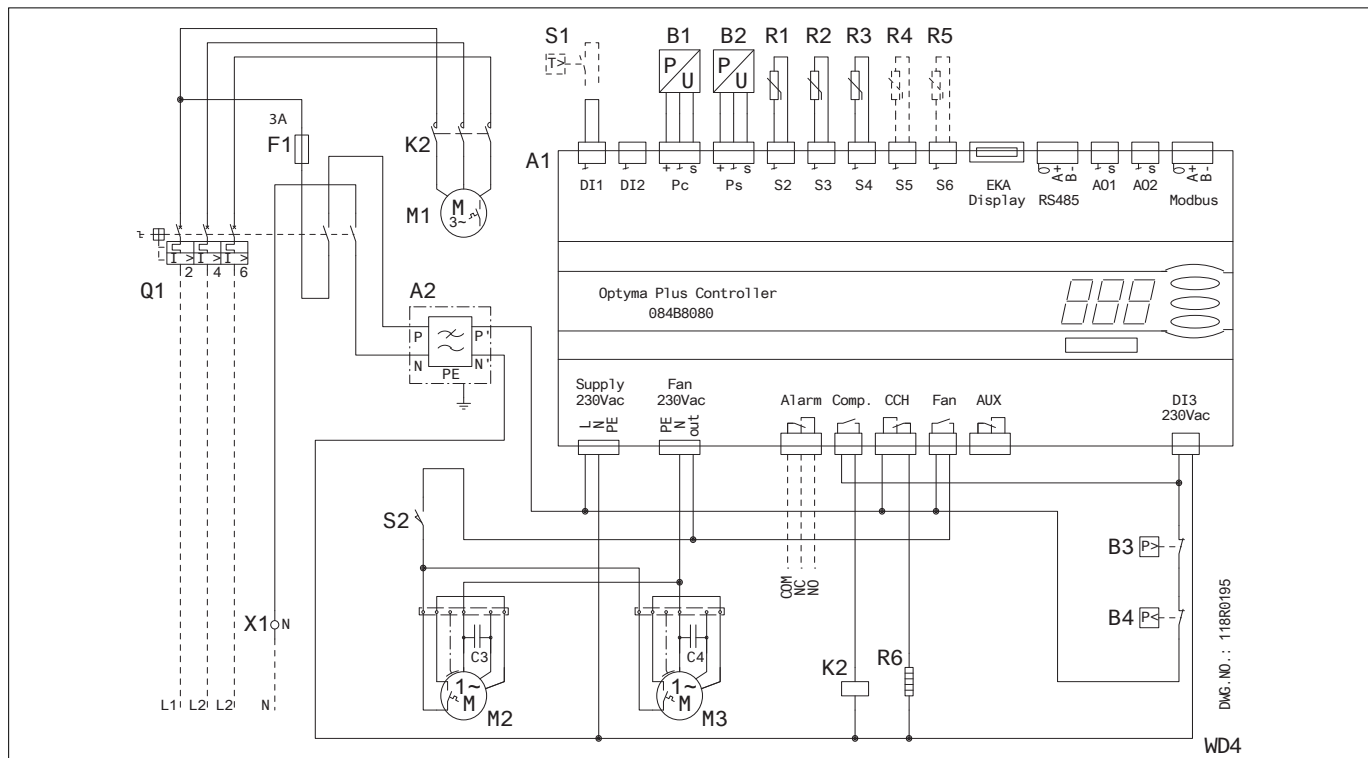
Code G : OP-MPXM034-046-057-068-080



Code E : OP-LPQM048-068-074-096-136 & OP-MPXM034-046-057-068-080-108 & OP-MPBM026-034

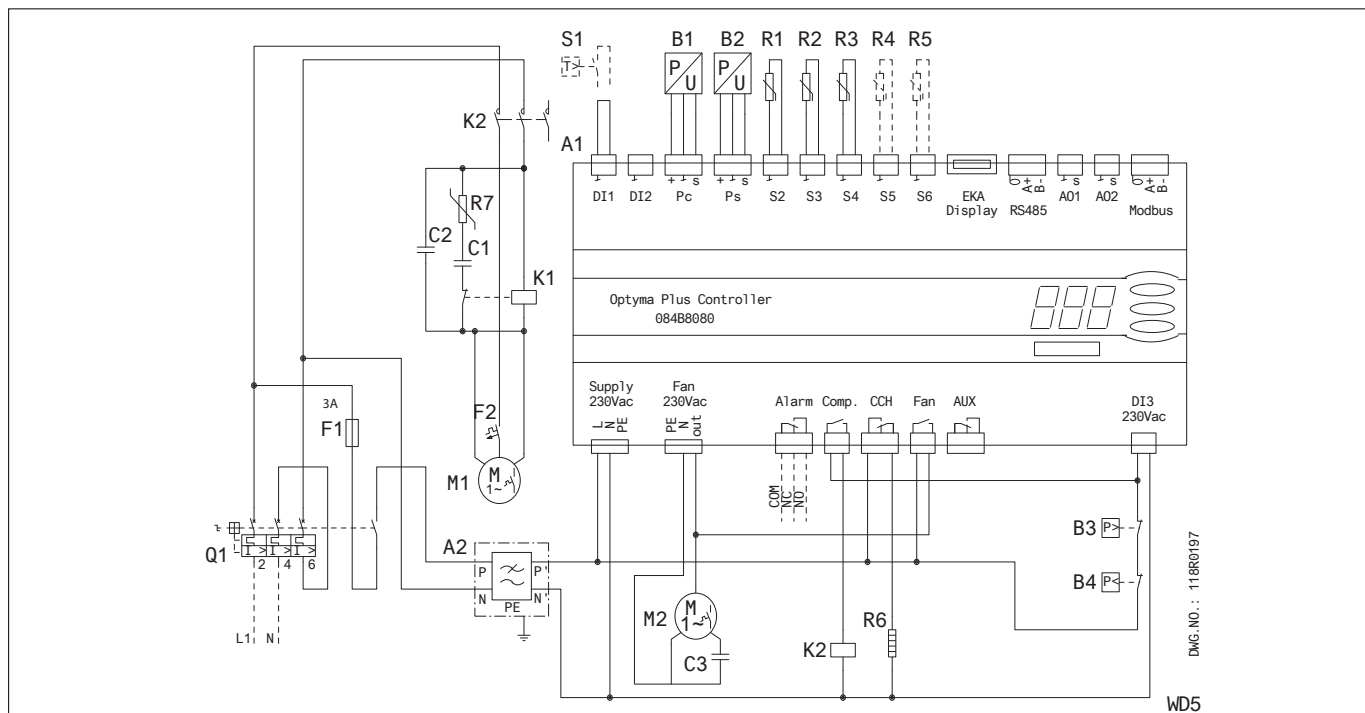


Code E : OP-LPQM215-271 & OP-MPXM125-162

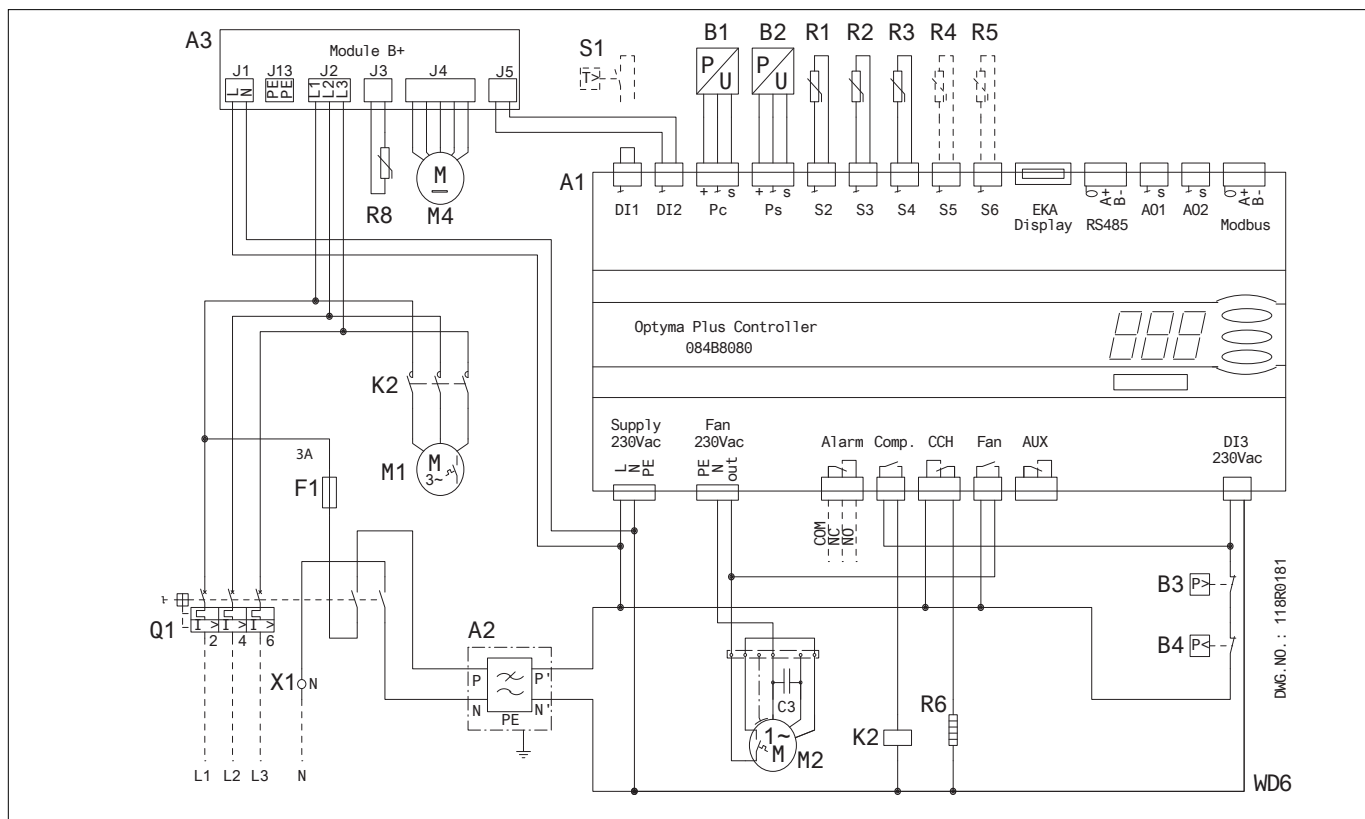




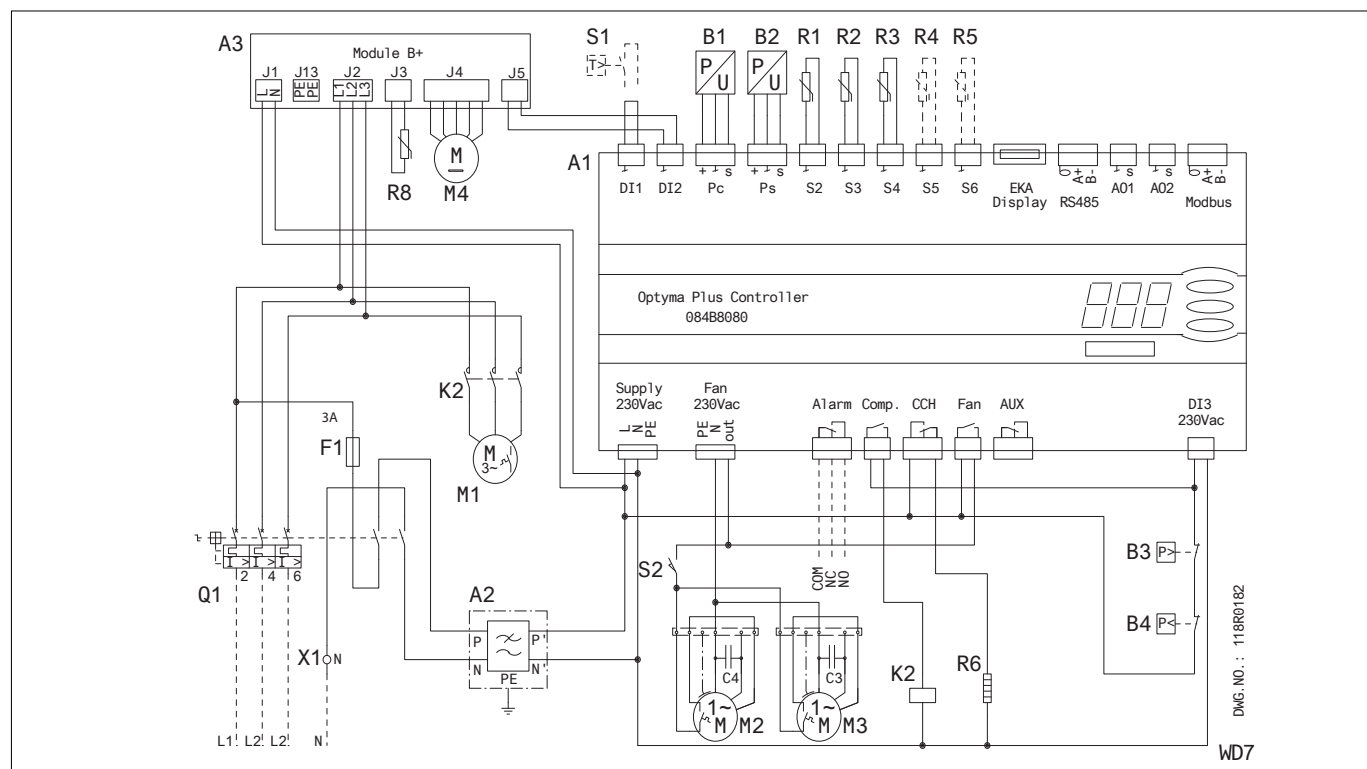
Code G: OP-LPQM017 & OP-MPYM008-009-012-014



Code E: OP-LPOM067-084-098



Code E: OP-LPOM120-168



English Legend

**A1** : Optyma™ Plus Controller  
**A2** : EMI Filter  
**A3** : Liquid Injection Controller  
**B1,B5** : Condensing Pressure Transducer  
**B2** : Suction Pressure Transducer  
**B3** : High Pressure Switch (OFF = 31bar(g),  
 ON = 24bar(g))  
**B4** : Low Pressure Switch (OFF = -0,3bar(g),  
 ON = 0,5bar(g))  
**C1** : Start Capacitor (Compressor)

**C2** : Run Capacitor (Compressor)  
**C3** : Run Capacitor (Fan 1)  
**C4** : Run Capacitor (Fan 2)  
**F1** : Fuse (Control Circuit)  
**F2,F3** : Motor protector  
**K1** : Start Relay  
**K2** : Contactor  
**M1** : Compressor  
**M2** : Fan Motor 1  
**M3** : Fan Motor 2  
**M4** : Electronic Expansion Valve

**Q1** : Main Switch  
**R1** : Ambient Temp. Sensor  
**R2,R8** : Discharge Temp. Sensor  
**R3** : Suction Temp. Sensor  
**R4,R5** : Auxiliary Temp. Sensor (optional)  
**R6** : Crankcase Heater  
**R7** : NTC Resistor  
**S1** : Room Thermostat (optional)  
**S2** : Door Limit Switch  
**X1** : Terminal

**Supply** : Supply  
**Fan** : Fan  
**Alarm** : Alarm  
**Comp.** : Compressor  
**CCH** : Crankcase Heater  
**Aux** : Auxiliary

# Optyma™ Plus INVERTER

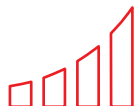
## Capacity modulation in a simple and adaptive package

Combines our market-leading expertise in condensing unit design with the unique benefits of stepless inverter scroll technology. The result is energy consumption reduced by up to 30% with better food preservation.



### Quick and safe installation and service

Preset parameters and Modbus communication makes start-up and maintenance of the condensing unit effortlessly quick and easy.



### High SEPR\*: 3.84 – certified by ASERCOM

All models in the range are highly efficient and well above EcoDesign 2018 thresholds, contributing to a reduction in energy costs.  
\*SEPR: Seasonal Energy Performance Ratio.



### Accurate temperature control

Accurate temperature control and low in-rush current result in a more stable storage temperature and longer product shelf life.



### Extended capacity

Stepless compressor modulation - able to slow down and speed up from 30 to 100 RPS to save energy and match load fluctuations very accurately. The inverter drive incorporates smart logic to increase reliability during operation.



Best SEPR with stepless modulation reduces energy consumption by up to

# 30%

## Designed for ultimate efficiency

### Stepless capacity modulation

From 30 to 100 rps modulation leads to 20-30% higher energy efficiency compared to fixed-speed condensing units.

### Simple commissioning

Preset drive parameters with dedicated refrigeration software.

### Future-proof

Working with lower GWP refrigerants such as R448A and R449. Also compatible with R407A/F and R404A.



### Danfoss compressor and drive package

Dedicated to refrigeration with years of market application and validation.

### Simple plug-and-play installation

Safe, simple and hassle-free installation with tried-and-tested components.

### Full intelligent control through the Optyma™ Plus Controller

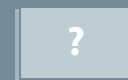
Control, alarm management, day & night operation, can connect to ADAP-KOOL® software, etc.

## High SEPR/COP cuts energy costs

E.g. in a cold room where meat is stored and with 9 kW of cooling capacity.

### Optyma™ Plus INVERTER MBP unit vs mechanically modulated technology\*

Cooling cap.: 9 kW  
Refrigerant: R407F



| UNIT  | Danfoss      | Market       |
|-------|--------------|--------------|
| SEPR  | 3.84         | 2.50         |
| USAGE | ~ 14 000 kWh | ~ 21 600 kWh |

## Annual energy consumption saved: 7 600 kWh

Savings based on cost of energy:

FRANCE: 0.11€ / 1 KWH = 7 600 x 0.11 = 836€

UK: 0.15€ / 1 KWH = 7 600 x 0.15 = 1 140 €

GERMANY: 0.20€ / 1 KWH = 7 600 x 0.20 = 1 520€

# 1 520€

annual electricity savings made by your customer in Germany

\* Source: Danfoss

| Model         | Code     | Version | Compressor | Electrical code (1) | Compressor speed, rps | Tamb [°C] | Cooling capacity Q [kW] (2) |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|---------------|----------|---------|------------|---------------------|-----------------------|-----------|-----------------------------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|               |          |         |            |                     |                       |           | Te [°C]                     |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|               |          |         |            |                     |                       |           | -15 °C                      | -10 °C | -5 °C  | 0 °C   | 5 °C   |               |        |      |      |                         |                                 |
| OP-MPPM028VVL | 114X4302 | P01     | VLZ028TGA  | E                   | 30                    | 27        | 1.465                       | 1.839  | 2.276  | 2.783  | 3.365  |               |        |      |      | 72                      | 41                              |
|               |          |         |            |                     |                       | 32        | 1.375                       | 1.732  | 2.149  | 2.633  | 3.190  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 50                    | 27        | 2.494                       | 3.107  | 3.816  | 4.629  | 5.553  |               |        |      |      | 72                      | 41                              |
|               |          |         |            |                     |                       | 32        | 2.346                       | 2.930  | 3.605  | 4.379  | 5.259  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 2.706  | 3.338  | 4.064  | 4.891  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | 3.106  | 3.790  | 4.571  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 75                    | 27        | 3.656                       | 4.527  | 5.536  | 6.695  | 8.013  |               |        |      |      | 73                      | 42                              |
|               |          |         |            |                     |                       | 32        | 3.443                       | 4.270  | 5.226  | 6.324  | 7.573  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 3.949  | 4.842  | 5.866  | 7.032  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | 4.509  | 5.472  | 6.569  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 100                   | 27        | 4.686                       | 5.774  | 7.041  | 8.502  | 10.171 |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 4.421                       | 5.451  | 6.648  | 8.028  | 9.605  | 5.548         | 3.058  | 1.81 | 3.38 |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 5.056  | 6.170  | 7.454  | 8.922  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | 5.761  | 6.967  | 8.346  |               |        |      |      |                         |                                 |
| OP-MPPM035VVL | 114X4316 | P01     | VLZ035TGA  | E                   | 30                    | 27        | 1.837                       | 2.303  | 2.848  | 3.479  | 4.205  |               |        |      |      | 72                      | 41                              |
|               |          |         |            |                     |                       | 32        | 1.723                       | 2.167  | 2.686  | 3.287  | 3.978  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 50                    | 27        | 3.094                       | 3.851  | 4.719  | 5.708  | 6.824  |               |        |      |      | 72                      | 41                              |
|               |          |         |            |                     |                       | 32        | 2.899                       | 3.621  | 4.448  | 5.389  | 6.452  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 3.332  | 4.108  | 4.991  | 5.989  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | 3.813  | 4.646  | 5.588  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 75                    | 27        | 4.512                       | 5.579  | 6.805  | 8.202  | 9.777  |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 4.234                       | 5.247  | 6.409  | 7.732  | 9.225  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 4.837  | 5.921  | 7.154  | 8.548  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | 5.501  | 6.660  | 7.970  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 100                   | 27        | 5.784                       | 7.106  | 8.637  | 10.392 | 12.381 |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 5.450                       | 6.698  | 8.141  | 9.795  | 11.673 | 6.829         | 3.826  | 1.78 | 3.30 |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 6.201  | 7.540  | 9.075  | 10.820 |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | 7.029  | 8.466  | 10.101 |               |        |      |      |                         |                                 |
| OP-MPPM044VVL | 114X4334 | P01     | VLZ044TGA  | E                   | 30                    | 27        | 2.364                       | 2.954  | 3.637  | 4.422  | 5.317  |               |        |      |      | 72                      | 41                              |
|               |          |         |            |                     |                       | 32        | 2.213                       | 2.776  | 3.429  | 4.180  | 5.037  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 50                    | 27        | 3.894                       | 4.834  | 5.915  | 7.145  | 8.532  |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 3.650                       | 4.544  | 5.570  | 6.739  | 8.058  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 4.185  | 5.144  | 6.238  | 7.473  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | 4.779  | 5.808  | 6.973  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 75                    | 27        | 5.674                       | 7.003  | 8.510  | 10.203 | 12.087 |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 5.308                       | 6.572  | 8.003  | 9.609  | 11.397 |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 6.034  | 7.371  | 8.873  | 10.544 |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | 6.825  | 8.237  | 9.810  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 100                   | 27        | 7.289                       | 8.959  | 10.828 | 12.899 | 15.173 |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 6.786                       | 8.375  | 10.149 | 12.112 | 14.265 | 8.558         | 4.753  | 1.8  | 3.73 |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 7.634  | 9.291  | 11.123 | 13.130 |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | 8.539  | 10.260 | 12.145 |               |        |      |      |                         |                                 |

**MBP**

(1) E - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


 For regular updates and detailed capacities, please refer to **Coolselector®2** software


| Model         | Code     | Version | Compressor | Electrical code (1) | Compressor speed, rps | Tamb [°C] | Cooling capacity Q [kW] (2) |        |        |        |        | EcoDesign (3) |        |      |      | Sound power level dB(A) | Sound pressure level 10 m dB(A) |
|---------------|----------|---------|------------|---------------------|-----------------------|-----------|-----------------------------|--------|--------|--------|--------|---------------|--------|------|------|-------------------------|---------------------------------|
|               |          |         |            |                     |                       |           | Te [°C]                     |        |        |        |        | Q [kW]        | P [kW] | COP  | SEPR |                         |                                 |
|               |          |         |            |                     |                       |           | -15 °C                      | -10 °C | -5 °C  | 0 °C   | 5 °C   |               |        |      |      |                         |                                 |
| OP-MPPM028VVL | 114X4302 | P01     | VLZ028TGA  | E                   | 30                    | 27        | 1.597                       | 1.990  | 2.446  | 2.972  | 3.573  |               |        |      |      | 72                      | 41                              |
|               |          |         |            |                     |                       | 32        | 1.484                       | 1.854  | 2.284  | 2.780  | 3.349  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 50                    | 27        | 2.700                       | 3.340  | 4.080  | 4.929  | 5.894  |               |        |      |      | 72                      | 41                              |
|               |          |         |            |                     |                       | 32        | 2.505                       | 3.106  | 3.802  | 4.601  | 5.510  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 2.820  | 3.461  | 4.198  | 5.039  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | 2.574  | 3.168  | 3.853  | 4.636  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 75                    | 27        | 3.994                       | 4.916  | 5.976  | 7.181  | 8.542  |               |        |      |      | 73                      | 42                              |
|               |          |         |            |                     |                       | 32        | 3.707                       | 4.574  | 5.569  | 6.701  | 7.981  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 4.151  | 5.066  | 6.110  | 7.290  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | 3.785  | 4.633  | 5.600  | 6.698  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 100                   | 27        | 5.202                       | 6.381  | 7.724  | 9.241  | 10.939 |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 4.832                       | 5.939  | 7.198  | 8.620  | 10.214 | 6.250         | 3.328  | 1.88 | 3.47 |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 5.384  | 6.539  | 7.845  | 9.310  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | 4.899  | 5.965  | 7.171  | 8.528  |               |        |      |      |                         |                                 |
| OP-MPPM035VVL | 114X4316 | P01     | VLZ035TGA  | E                   | 30                    | 27        | 2.027                       | 2.517  | 3.085  | 3.739  | 4.485  |               |        |      |      | 72                      | 41                              |
|               |          |         |            |                     |                       | 32        | 1.878                       | 2.339  | 2.875  | 3.491  | 4.196  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 50                    | 27        | 3.402                       | 4.193  | 5.108  | 6.153  | 7.338  |               |        |      |      | 72                      | 41                              |
|               |          |         |            |                     |                       | 32        | 3.158                       | 3.899  | 4.755  | 5.735  | 6.846  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 3.533  | 4.317  | 5.215  | 6.236  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | 3.215  | 3.937  | 4.766  | 5.711  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 75                    | 27        | 4.962                       | 6.087  | 7.381  | 8.853  | 10.511 |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 4.610                       | 5.659  | 6.866  | 8.240  | 9.790  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 5.126  | 6.226  | 7.481  | 8.899  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | 4.662  | 5.672  | 6.826  | 8.133  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 100                   | 27        | 6.354                       | 7.768  | 9.389  | 11.226 | 13.287 |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 5.901                       | 7.218  | 8.727  | 10.438 | 12.360 | 7.614         | 4.088  | 1.86 | 3.77 |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 6.529  | 7.901  | 9.460  | 11.214 |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | 5.926  | 7.183  | 8.614  | 10.227 |               |        |      |      |                         |                                 |
| OP-MPPM044VVL | 114X4334 | P01     | VLZ044TGA  | E                   | 30                    | 27        | 2.620                       | 3.236  | 3.949  | 4.767  | 5.698  |               |        |      |      | 72                      | 41                              |
|               |          |         |            |                     |                       | 32        | 2.426                       | 3.008  | 3.681  | 4.453  | 5.334  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | -      | -      | -      | -      |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 50                    | 27        | 4.322                       | 5.303  | 6.426  | 7.700  | 9.134  |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 4.012                       | 4.932  | 5.987  | 7.183  | 8.532  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 4.470  | 5.439  | 6.541  | 7.784  |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | 4.067  | 4.964  | 5.985  | 7.139  |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 75                    | 27        | 6.267                       | 7.656  | 9.231  | 10.997 | 12.960 |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 5.812                       | 7.111  | 8.583  | 10.234 | 12.070 |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 6.432  | 7.777  | 9.289  | 10.972 |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | 5.839  | 7.078  | 8.472  | 10.027 |               |        |      |      |                         |                                 |
|               |          |         |            |                     | 100                   | 27        | 8.008                       | 9.755  | 11.715 | 13.888 | 16.273 |               |        |      |      | 74                      | 43                              |
|               |          |         |            |                     |                       | 32        | 7.406                       | 9.033  | 10.856 | 12.879 | 15.102 | 9.560         | 5.220  | 1.83 | 3.76 |                         |                                 |
|               |          |         |            |                     |                       | 38        | -                           | 8.128  | 9.785  | 11.626 | 13.651 |               |        |      |      |                         |                                 |
|               |          |         |            |                     |                       | 43        | -                           | 7.335  | 8.852  | 10.539 | 12.399 |               |        |      |      |                         |                                 |

**MBP**

(1) E - Compressor 400V/3~50Hz, fan 230V/1~50Hz

(2) Nominal conditions (EN13215), Evaporating temperatures at dew point, Superheat 10K, Subcooling 0K

(3) Rated conditions (EN13215), Evaporating temperature (dew point) -10°C, Ambient air temperature +32°C, Return Gas Temperature 20°C, Subcooling 0K

SEPR, Seasonal Energy Performance Ratio

Q [kW], Cooling Capacity

P [kW], Power Input


 For regular updates and detailed capacities, please refer to **Coolselector®2** software


**Optyma™ Plus INVERTER - Technical data**

| Application | Code number | Model number      | Compressor Model | Electrical Code (1) | Refrigerant (2) | Condenser Coil |         |                 | Fan    |         | Receiver | Dimensions |        |       |        | Connection    |              | Weight |     |
|-------------|-------------|-------------------|------------------|---------------------|-----------------|----------------|---------|-----------------|--------|---------|----------|------------|--------|-------|--------|---------------|--------------|--------|-----|
|             |             |                   |                  |                     |                 | Type           | Airflow | Internal Volume | Number | Blade ø |          | Housing    | Height | Width | Length | Suction valve | Liquid valve | Gross  | Net |
|             | P01         |                   |                  |                     |                 |                | (m³/h)  | (dm³)           |        | (mm)    | (L)      |            | mm     | mm    | mm     | inch          | inch         | Kg     | Kg  |
| MBP         | 114X4302    | OP-MPPM028VVLP01E | VLZ028TGA        | E                   | P               | G7             | 5200    | 1.62            | 1      | 500     | 6.2      | H3         | 965    | 1406  | 481    | 3/4"          | 5/8"         | 150    | 124 |
| MBP         | 114X4316    | OP-MPPM035VVLP01E | VLZ035TGA        | E                   | P               | G7             | 5200    | 1.62            | 1      | 500     | 6.2      | H3         | 965    | 1406  | 481    | 3/4"          | 5/8"         | 151    | 125 |
| MBP         | 114X4334    | OP-MPPM044VVLP01E | VLZ044TGA        | E                   | P               | G7             | 5200    | 1.62            | 1      | 500     | 6.2      | H3         | 965    | 1406  | 481    | 3/4"          | 5/8"         | 151    | 125 |

(1) **E** - Compressor 400V/3~/50Hz, fan 230V/1~/50Hz

(2) **P** - R448A, R449A, R407A, R407F, R404A

**Optyma™ Plus INVERTER - Spare parts & accessories - MBP**

| Designation                     | OP-MPLM028 | OP-MPPM028 | OP-MPLM035 | OP-MPPM035 | OP-MPLM044 | OP-MPPM044 |
|---------------------------------|------------|------------|------------|------------|------------|------------|
| Code Number                     | 114X4300*  | 114X4302   | 114X4315*  | 114X4316   | 114X4333*  | 114X4334   |
| Compressor Description          | VLZ028TGA  |            | VLZ035TGA  |            | VLZ044TGA  |            |
| Compressor oil                  | 120Z5034   | 120Z0648   | 120Z5034   | 120Z0648   | 120Z5034   | 120Z0648   |
| Spare Parts                     |            |            |            |            |            |            |
| Compressor                      | 120G0162   |            | 120G0159   |            | 120G0156   |            |
| Condenser                       | 118U5219   |            | 118U5219   |            | 118U5219   |            |
| Oil separator                   | 118U3981   |            | 118U3981   |            | 118U3982   |            |
| Fan assembly                    | 118U3829   |            | 118U3829   |            | 118U3829   |            |
| Fan cowl/grill                  | 118U3485   |            | 118U3485   |            | 118U3485   |            |
| Filter                          | 023Z5045   |            | 023Z5045   |            | 023Z5045   |            |
| High-pressure switch            | 118U3718   |            | 118U3718   |            | 118U3718   |            |
| Low-pressure switch             | 118U3720   |            | 118U3720   |            | 118U3720   |            |
| Receiver                        | 118U3476   |            | 118U3476   |            | 118U3476   |            |
| Sight glass                     | 014F0174   |            | 014F0174   |            | 014F0174   |            |
| Suction line valve              | 009G7054   |            | 009G7054   |            | 009G7054   |            |
| Liquid line valve               | 009G7053   |            | 009G7053   |            | 009G7053   |            |
| Electrical Spare Parts          |            |            |            |            |            |            |
| Crankcase heater                | 120Z5040   |            | 120Z5040   |            | 120Z5040   |            |
| Controller                      | 118U3465   |            | 118U3465   |            | 118U3465   |            |
| Discharge temperature sensor    | 084N2007   |            | 084N2007   |            | 084N2007   |            |
| High-pressure transmitter       | 118U3722   |            | 118U3722   |            | 118U3722   |            |
| Low-pressure transmitter        | 118U3721   |            | 118U3721   |            | 118U3721   |            |
| Suction and ambient temp sensor | 084N0003   |            | 084N0003   |            | 084N0003   |            |
| Compressor contact              | 118U3847   |            | 118U3847   |            | 118U3847   |            |
| Door handle                     | 118U3858   |            | 118U3858   |            | 118U3858   |            |
| Main switch                     | 118U3852   | 118U3854   | 118U3852   | 118U3854   | 118U3852   | 118U3854   |
| Compressor drive CDS803         | 118U3973   |            | 118U3973   |            | 118U3973   |            |
| EMI filter (Drive)              | 118U3972   |            | 118U3972   |            | 118U3972   |            |
| EMI filter (Controller)         | 118U3974   |            | 118U3974   |            | 118U3974   |            |
| Electrical Characteristics      |            |            |            |            |            |            |
| MCC Compressor [A] 400V/3phase  | 8.1        |            | 9.8        |            | 12.0       |            |
| Max cont.power consumption [kW] | 3.98       |            | 4.94       |            | 6.33       |            |
| MCC Fan [A] 230V/1 phase        | 0.96       |            | 0.96       |            | 0.96       |            |
| Fan power output [W]            | 1x130      |            | 1x130      |            | 1x130      |            |
| Fan power consumption [W]       | 1x220      |            | 1x220      |            | 1x220      |            |
| Accessories (Not Premounted)    |            |            |            |            |            |            |
| Acoustic hood                   | 120Z5043   |            | 120Z5043   |            | 120Z5043   |            |
| Sheet Metal                     |            |            |            |            |            |            |
| Top panel                       | 118U5131   |            | 118U5131   |            | 118U5131   |            |
| Fan Panel                       | 118U5132   |            | 118U5132   |            | 118U5132   |            |
| Back panel                      | 118U5133   |            | 118U5133   |            | 118U5133   |            |
| Front panel                     | 118U5134   |            | 118U5134   |            | 118U5134   |            |
| Access panel                    | 118U5135   |            | 118U5135   |            | 118U5135   |            |
| Left side panel                 | 118U5165   |            | 118U5165   |            | 118U5165   |            |

MCC - Max Continuous Current

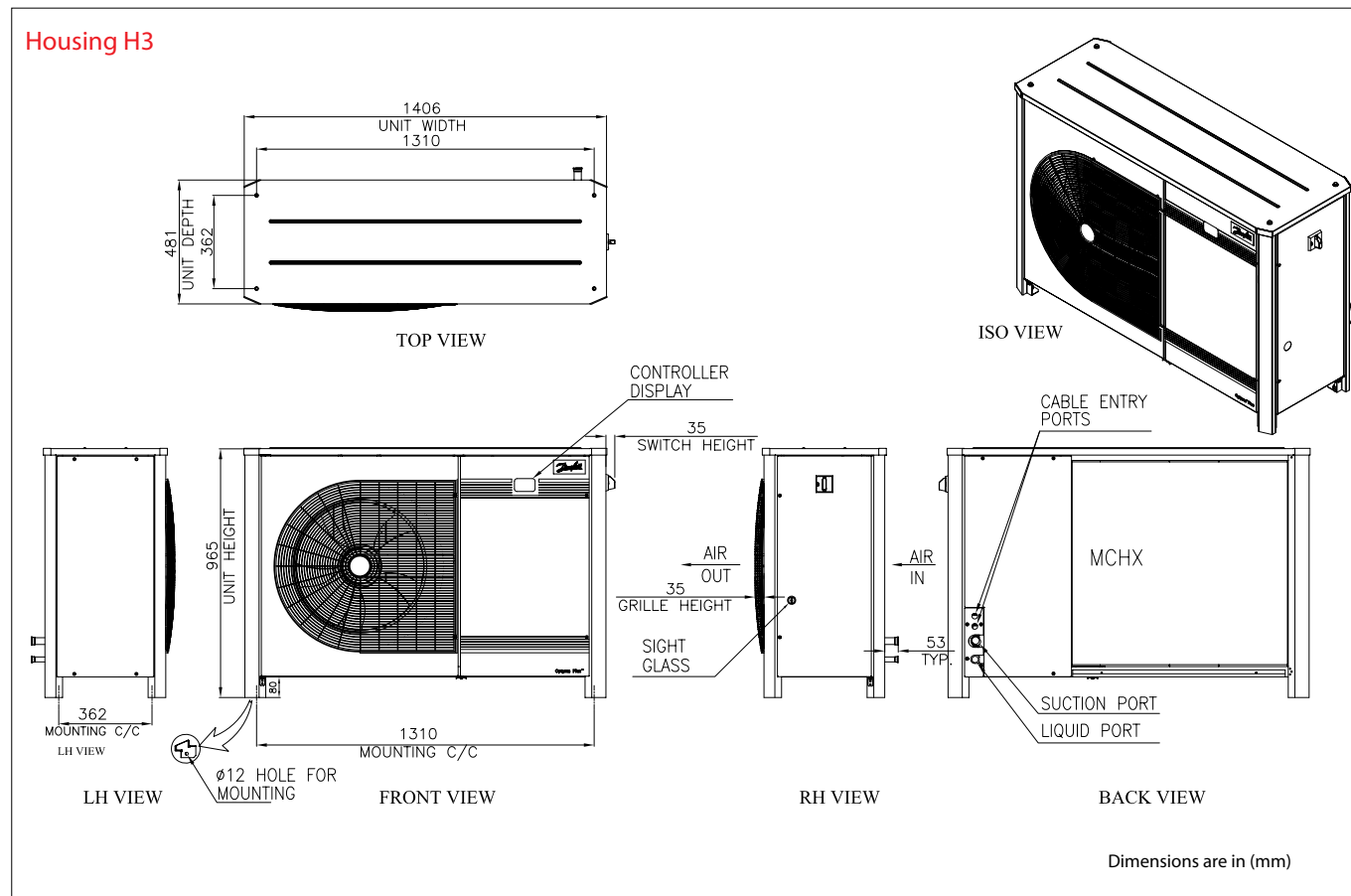
\*Phased out model

**NOTICE** For service purpose original components (spare parts) recommended by Danfoss should be used.

| Component type                  | Component code | Component description                    | Additional informations |
|---------------------------------|----------------|------------------------------------------|-------------------------|
| Compressor Single pack          | 120G0162       | Compressor VLZ028TGNE9A/M                |                         |
| Compressor Single pack          | 120G0159       | Compressor VLZ035TGNE9A/M                |                         |
| Compressor Single pack          | 120G0156       | Compressor VLZ044TGNE9A/M                |                         |
| Condenser                       | 118U5219       | SPare part, 9513 B3, H3, G7 MCHX         |                         |
| Oil Separator                   | 118U3981       | SEPARATEUR HUILE SO/ER-31 OPTYMA INVERT  |                         |
| Oil separator                   | 118U3982       | SEPARATEUR HUILE SO/ER16101 OPTYMA INVER |                         |
| Fan assembly                    | 118U3829       | FAN ASSEMBLIES, EBM, ERP2015             |                         |
| Fan cowl/grill                  | 118U3485       | FAN GRILL HOUSING 3 OP PLUS              |                         |
| Filter                          | 023Z5045       | Filter drier DML 165 M/12                |                         |
| High-pressure switch            | 118U3718       | HIGH PR SWITCH ACB-2UB463W               |                         |
| Low-pressure switch             | 118U3720       | LOW PR SWITCH ACB-2UA418W                |                         |
| Receiver                        | 118U3476       | LIQUID RECEIVER 6,2L OP PLUS             |                         |
| Sight glass                     | 014F0174       | Del-SGN+ 16 Sight Glass M/36             |                         |
| Suction valve                   | 009G7054       | GBC 18s Ball Valve M/25                  |                         |
| Liquid valve                    | 009G7053       | GBC 16s Ball Valve M/25                  |                         |
| Crankcase heater                | 120Z5040       | CRANKCASE HEATER, 240V 70W               |                         |
| Controller                      | 118U3465       | OPTYMA PLUS CONTROLLER-084B8080          |                         |
| Discharge temperature sensor    | 084N2007       | Sensor AKS 21 A 2.5m                     |                         |
| High-pressure transmitter       | 118U3722       | AKS HP PR TRANSMITTER                    |                         |
| Low-pressure transmitter        | 118U3721       | AKS LP PR TRANSMITTER                    |                         |
| Suction and ambient temp sensor | 084N0003       | Sensor AKS 11 3.5m                       |                         |
| Compressor contact              | 118U3847       | CONT, ABB-A16-30-01-80+CA5-11            |                         |
| Door handle                     | 118U3858       | HANDLE, ABB-OHB2AJM,MSMN,OX55X131        |                         |
| Compressor drive CDS803         | 118U3973       | Drive CDS803 7,5kW H OPTYMA INVERTER     |                         |
| EMI filter (Drive)              | 118U3972       | Filtre pour Drive EN 55011 class B (C1)  |                         |
| EMI filter (Controller)         | 118U3974       | CONTROLLER EMC/RFI FILTER OPTYMA PLUS    |                         |
| Top Panel                       | 118U5131       | SPARE PART, SHEET METAL TOP H3           |                         |
| Fan panel                       | 118U5132       | SPARE PART, SHEET METAL FAN H3           |                         |
| Back panel                      | 118U5133       | SPARE PART, SHEET METAL BACK H3          |                         |
| Front Panel                     | 118U5134       | SPARE PART, SHEET METAL FRONT H3         |                         |
| Access Panel                    | 118U5135       | SPARE PART, SHEET METAL ACCESS H3        |                         |
| Left Side panel                 | 118U5165       | SPARE PART, SHEET METAL LEFT SIDE H3     |                         |
| Main switch                     | 118U3852       | MPCB, ABB-MS116-16+HK1-12                |                         |
| Main switch                     | 118U3854       | MPCB, ABB-MS132-20+HK1-12                |                         |
| Acoustic hood                   | 120Z5043       | ACCOUSTIC HOOD SMALL now use (120Z5083)  |                         |

OP-MPLM028-035-044, OP-MPPM028-035-044

Housing H3

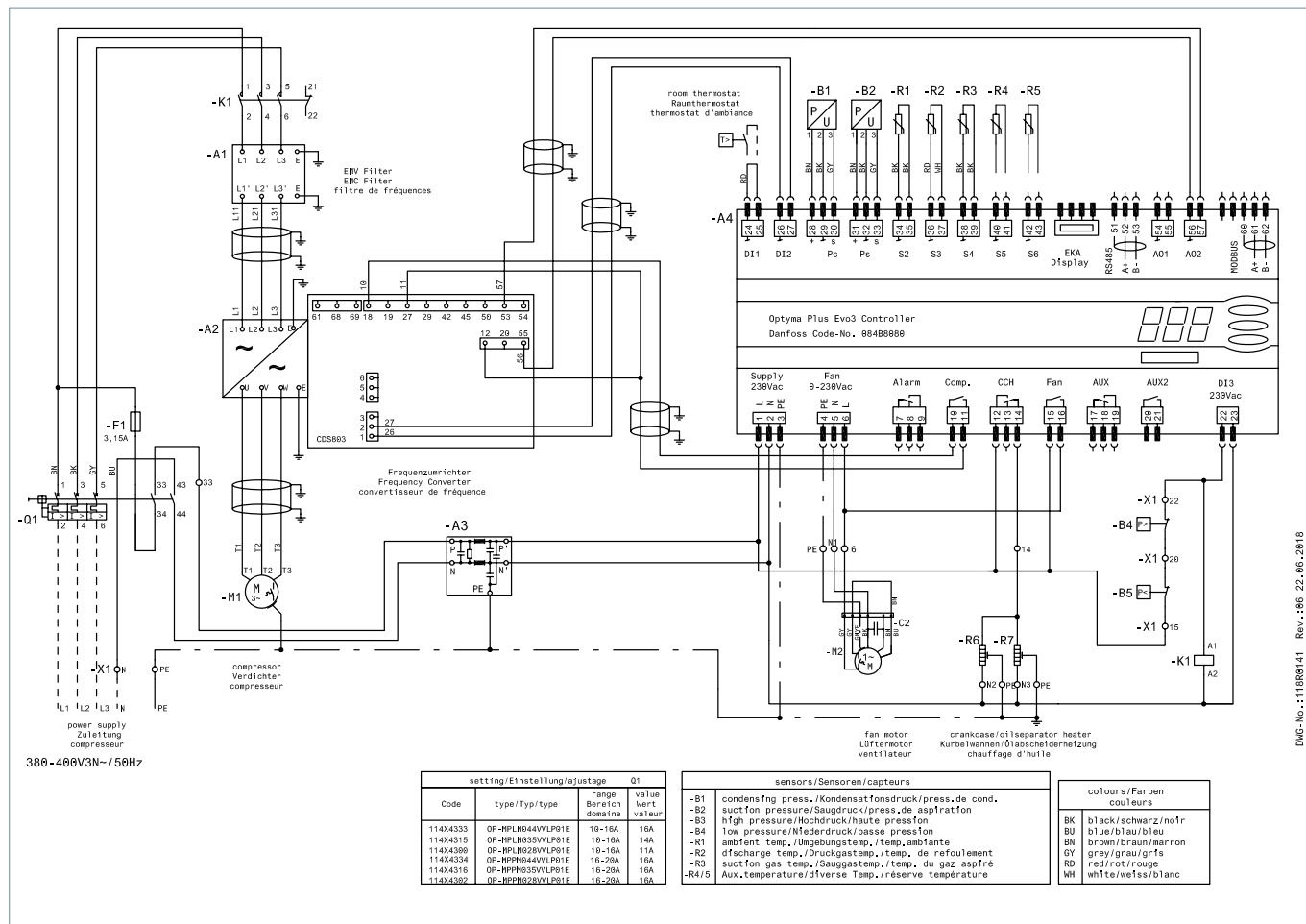


Optyma™ Plus INVERTER - Housing spare parts





OP-MPLM028-035-044, OP-MPPM028-035-044



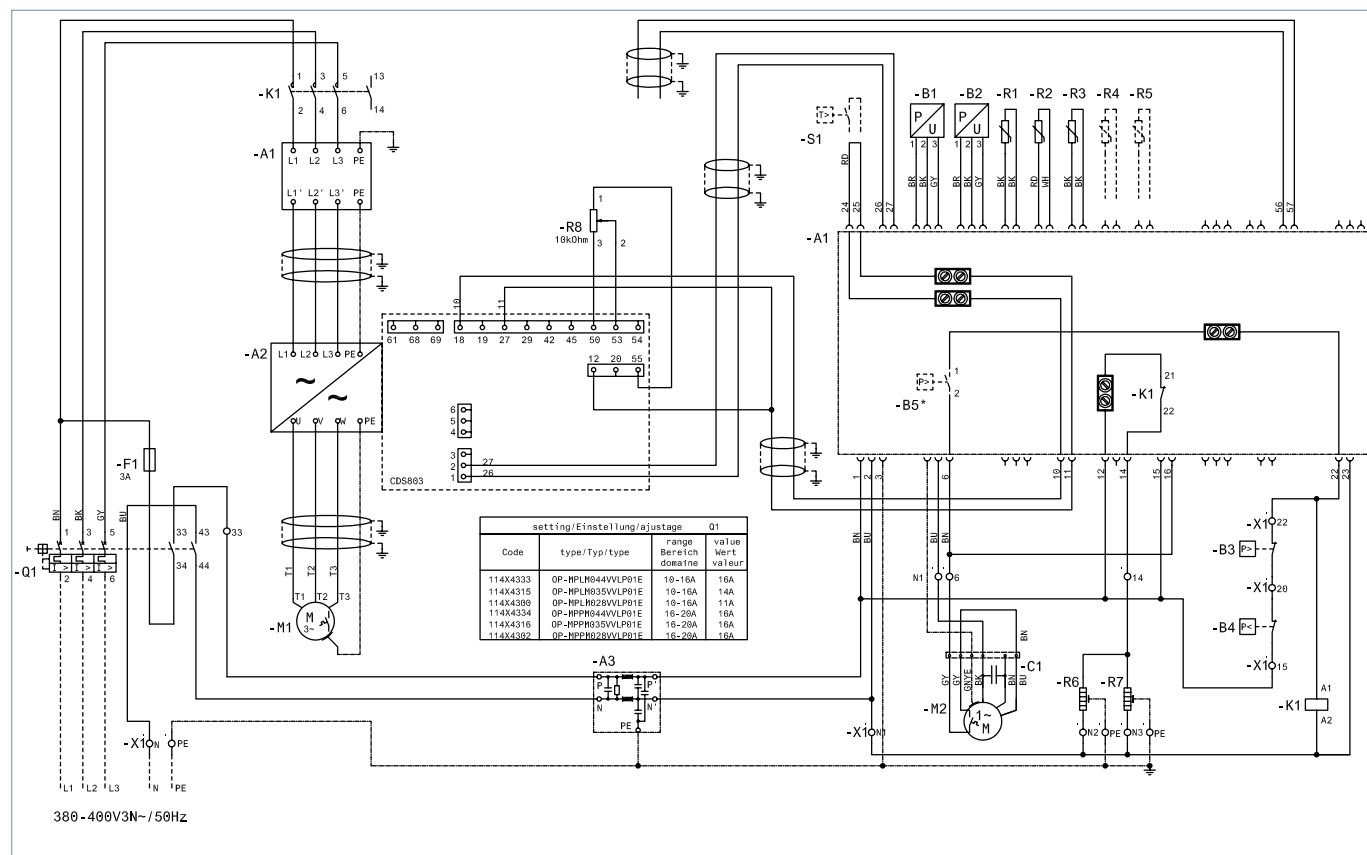
A1 : EMC/RFI Filter (Compressor)  
A2 : Frequency Converter  
A3 : EMI Filter (Controls)  
A4 : Optyma™ Plus Controller  
B1 : Condensing Pressure Transducer  
B2 : Suction Pressure Transducer  
B3 : High Pressure Switch

B4 : Low Pressure Switch  
C1 : Run Capacitor (Fan)  
F1 : Fuse (Control Circuit)  
K1 : Contactor  
M1 : Compressor  
M2 : Fan Motor  
Q1 : Main Switch  
R1 : Ambient Temp. Sensor

R2 : Discharge Temp. Sensor  
R3 : Suction Temp. Sensor  
R4,R5 : Auxiliary Temp. Sensor (optional)  
R6 : Crankcase heater  
R7 : Oil Separator Heater  
S1 : Room Thermostat (optional)  
X1 : Terminal

Supply : Supply  
Fan : Fan  
Alarm : Alarm  
Comp. : Compressor  
CCH : Crankcase Heater  
Aux : Auxiliary

OP-MPLM028-035-044, OP-MPPM028-035-044- Emergency Wiring



A1 : EMC/RFI Filter (Compressor)  
A2 : Frequency Converter  
A3 : EMI Filter (Controls)  
A4 : Optyma™ Plus Controller  
B1 : Condensing Pressure Transducer  
B2 : Suction Pressure Transducer  
B3 : High Pressure Switch  
B4 : Low Pressure Switch

B5\* : Fan Speed Controller / Pressure Switch  
C1 : Run Capacitor (Fan)  
F1 : Fuse (Control Circuit)  
K1 : Contactor  
M1 : Compressor  
M2 : Fan Motor  
Q1 : Main Switch  
R1 : Ambient Temp. Sensor

R2 : Discharge Temp. Sensor  
R3 : Suction Temp. Sensor  
R4,R5 : Auxiliary Temp. Sensor (optional)  
R6 : Crankcase heater  
R7 : Oil Separator Heater  
R8 : Compressor Speed Potentiometer  
S1 : Room Thermostat (optional)  
X1 : Terminal

Supply : Supply  
Fan : Fan  
Alarm : Alarm  
Comp. : Compressor  
CCH : Crankcase Heater  
Aux : Auxiliary

# Danfoss Cooling

is a worldwide manufacturer of compressors and condensing units for refrigeration and HVAC applications. With a wide range of high quality and innovative products we help your company to find the best possible energy efficient solution that respects the environment and reduces total life cycle costs.

We have 40 years of experience within the development of hermetic compressors which has brought us amongst the global leaders in our business, and positioned us as distinct variable speed technology specialists. Today we operate from engineering and manufacturing facilities spanning across three continents.



Danfoss Scrolls



Danfoss Inverter Scrolls



Danfoss Light Commercial Refrigeration Compressors



Danfoss Maneurop Reciprocating Compressors



Danfoss Turbocor Compressors



Danfoss Optyma™ Condensing Units

Our products can be found in a variety of applications such as rooftops, chillers, residential air conditioners, heatpumps, coldrooms, supermarkets, milk tank cooling and industrial cooling processes.

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