



Designed for

<150 GWP

refrigerants, ready
to support your
green transition



A2L

Low GWP ready
by Danfoss

cr.danfoss.com



Optyma™
by Danfoss

ENGINEERING
TOMORROW



Danfoss Optyma™ low GWP condensing units

Optimized cooling for the future—today

Compliance and high-performance cooling quality are the foundations of the Danfoss Optyma™ multi-refrigerant condensing units. The A2L-ready designs enable a seamless transition to low GWP refrigerants—at your own pace—while delivering the cost-saving energy efficiency, easy installation and maintenance, and increased safety of perishables, the units are known for.

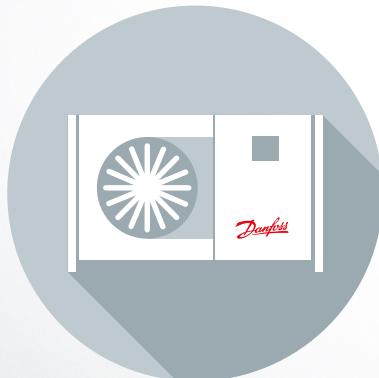
Discover our extensive range of multi-refrigerant condensing units and start the green transition with ease today.

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multi-refrigerant
condensing units**



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components**



Danfoss Optyma™
multi-refrigerant
condensing units



Applications and
Designation



A2L-ready
components



Embrace the green transition at your own pace with the Danfoss Optyma™ range of multi-refrigerant condensing units

The Optyma™ **Slim Pack** and Optyma™ **Plus** multi-refrigerant condensing units feature a design compatible with both A1 and A2L refrigerants in a single unit – ready for the green transition when you are.



Familiar

The same serviceable concept you know



Safety to the core

- Designed to run safely with A2Ls
- Ignition-proof-tested in independent laboratory
- Concentration risk-free



No complexity

1 new code, multiple A1 or A2L refrigerants in a single unit



Optimized cooling for the future

High efficiency

Low energy consumption

Reduced indirect emissions

Economically viable



Danfoss Optyma™
multi-refrigerant
condensing units



Applications and
Designation



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Portfolio **overview**

Optyma™ Slim Pack (W05)



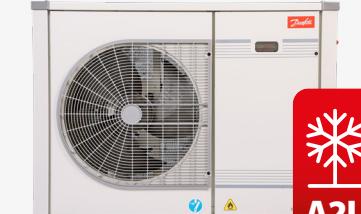
- For cost-cautious installations
- Simple, efficient, and quiet operation
- Slim design to fit narrow spaces
- Lightweight design for easy handling and installation

Optyma™ Slim Pack (W09)



- Compact and cost-effective
- Fast and safe installation
- Easy maintenance
- Efficient and low sound level

Optyma™ Plus (P00/P02)



- Easy installation
- Connectivity to the cloud
- High efficiency
- Quiet operation
- Reliable operation for negative LBP applications (P02)



Cooling capacity

0.6 – 10.8 kW MBP / 0.3 – 1.2 kW LBP



Cooling capacity

0.6 – 10.8 kW MBP / 0.3 – 1.2 kW LBP



Cooling capacity

0.7 – 15 kW MBP / 0.3 – 5.9 kW LBP



Danfoss Optyma™
multi-refrigerant
condensing units



Applications and
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Feature overview

	Optyma™ Slim Pack		Optyma™ Plus			
	W05	W09	P00	P02		
IP level	IP54		IP54			
Compressor technology	Scroll/Reciprocating	Scroll/Reciprocating	Scroll			
Sealed and pre-wired E-panel	yes		yes			
Microchannel condenser	yes		yes			
Fan speed controller	-	yes	yes			
Main switch (circuit breaker)	-	yes	yes			
Filter drier (flare connections)	yes		yes			
Sight glass	yes		yes			
Crankcase heater	yes		yes			
HP/LP adjustable pressostat (flare connections)	Mechanical		Electronic			
Liquid injection kit	-	-	yes			
Ventilation fan-timer	yes		yes			
Louvers and holes	yes		yes			
Fail-safe mini-pressostat	-	Mechanical				
Access door(s)	-	yes				
Acoustic insulation	-	yes				
Condensing unit electronic controller	-	yes				
Network connectivity	-	yes				
Stack mounting	-	yes				
Housing net weight in kg	B1: from 51 to 53 B2: from 53 to 70 B3: from 76 to 79	H1: from 49 to 55 H2: from 67 to 89 H3: from 101 to 136 H4: 169	H3: 135 and 136	H4: from 161 to 166		
Housing dimensions in mm (height x width x depth)	B1: 530 x 910 x 364 B2: 690 x 1079 x 464 B3: 825 x 1105 x 464	H1: 650 x 941 x 406 H2: 813 x 1090 x 480 H3: 965 x 1441 x 531 H4: 966 x 1835 x 650	H3: 965 x 1441 x 531	H4: 966 x 1835 x 650		

Min / Max
Cooling capacity
range [kW]

Medium temperature (MBP)	Optyma™ Slim Pack	Optyma™ P
R454C	0.7 - 10.2	0.7 - 14.4
R455A	0.8 - 11.1	0.8 - 15.0
R1234yf	0.6 - 1.4	1.2 - 1.4

Low temperature (LBP)

R454C	0.3 - 1.2	0.3 - 5.0
R455A	0.4 - 1.5	0.4 - 5.9

Rating conditions EN 13215 (mid 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



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Applications and
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Optyma™ Slim Pack

For cost-cautious installations, the Optyma™ **Slim Pack** multi-refrigerant condensing units are energy-efficient, compact solutions delivering reliable performance and future-proof adaptability.



Danfoss Optyma™
multi-refrigerant
condensing units

	Standard ranges (A1 refrigerants)	Multi-refrigerant ranges (A1/A2L)	
	W05	W09	W05
Transition to A2L safely and without complexity:			✓
	— A1/A2L compressor — Sealed electrical box — Electrical components and flare connections approved for A2Ls — Fan-timer for ventilation before compressor starts — Louvers and holes for compressor-compartment ventilation		✓
Faster installation, safer maintenance, and smoother operation:		✓	✓
	— Fan-speed controller — Main switch		
Safe operation and reliability:	✓	✓	✓
	— All necessary components are inside: drier, sight glass, dual-KP pressure control, and crankcase heater		
Designed for quick installation and service:	✓	✓	✓
	— Schrader valve, flare connections, and receiver with shut-off valve — Easy-to-clean and corrosion-resistant microchannel condenser — Accessible fan, condenser, and service ports		

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augmented reality



A2L-ready
components

Watch the video
on YouTube:





Optyma™ Slim Pack (W05) – Multi-refrigerant models

R454C MBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -10°C	Rated COP/SEPR	Housing*
OP-MSTM008	1	114X7226	A1/A2L	0.63	1.84	B1
OP-MSTM009	1	114X7229	A1/A2L	0.70	1.82	B1
OP-MSTM012	1	114X7230	A1/A2L	1.16	1.81	B1
OP-MSTM014	1	114X7231	A1/A2L	1.20	1.71	B1
OP-MSTM018	1	114X7232	A1/A2L	1.32	1.65	B1
OP-MSTM022	1	114X7233	A1/A2L	1.86	1.97	B2
OP-MSTM026	1	114X7234	A1/A2L	2.22	2.15	B2
	3	114X7235	A1/A2L	2.23	2.20	B2
OP-MSTM034	1	114X7237	A1/A2L	2.45	1.67	B2
	3	114X7236	A1/A2L	2.46	1.71	B2
OP-MSIM034	3	114X7266	A1/A2L	3.40	2.50	B2
	1	114X7267	A1/A2L	3.47	2.42	B2
OP-MSIM044	1	114X7269	A1/A2L	4.21	2.29	B2
	3	114X7268	A1/A2L	4.31	2.41	B2
OP-MSIM046	1	114X7271	A1/A2L	4.40	2.28	B2
	3	114X7270	A1/A2L	4.47	2.40	B2
OP-MSIM057	3	114X7272	A1/A2L	5.21	3.73	B2
	1	114X7273	A1/A2L	5.22	3.47	B2
OP-MSIM068	1	114X7312	A1/A2L	6.78	3.83	B3
	3	114X7311	A1/A2L	6.85	4.27	B3
OP-MSIM080	1	114X7314	A1/A2L	7.66	3.51	B3
	3	114X7313	A1/A2L	7.91	4.24	B3
OP-MSIM099	3	114X7315	A1/A2L	9.36	3.86	B3
OP-MSIM108	3	114X7316	A1/A2L	9.99	3.79	B3

R455A MBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -10°C	Rated COP/SEPR	Housing*
OP-MSTM008	1	114X7226	A1/A2L	0.68	1.88	B1
OP-MSTM009	1	114X7229	A1/A2L	0.82	1.89	B1
OP-MSTM012	1	114X7230	A1/A2L	1.24	1.88	B1
OP-MSTM014	1	114X7231	A1/A2L	1.31	1.80	B1
OP-MSTM018	1	114X7232	A1/A2L	1.46	1.70	B1
OP-MSTM022	1	114X7233	A1/A2L	1.99	1.88	B2
OP-MSTM026	1	114X7234	A1/A2L	2.41	1.89	B2
	3	114X7235	A1/A2L	2.43	1.95	B2
OP-MSTM034	1	114X7237	A1/A2L	2.84	1.77	B2
	3	114X7236	A1/A2L	2.86	1.82	B2
OP-MSIM034	1	114X7267	A1/A2L	3.72	2.46	B2
	3	114X7266	A1/A2L	3.72	2.54	B2
OP-MSIM044	1	114X7269	A1/A2L	4.59	2.23	B2
	3	114X7268	A1/A2L	4.67	2.39	B2
OP-MSIM046	1	114X7271	A1/A2L	4.77	2.22	B2
	3	114X7270	A1/A2L	4.82	2.37	B2
OP-MSIM057	1	114X7273	A1/A2L	5.66	3.47	B2
	3	114X7272	A1/A2L	5.69	3.73	B2
OP-MSIM068	1	114X7311	A1/A2L	7.43	4.27	B3
	3	114X7312	A1/A2L	7.53	3.83	B3
OP-MSIM080	1	114X7314	A1/A2L	8.41	3.51	B3
	3	114X7313	A1/A2L	8.56	4.24	B3
OP-MSIM099	1	114X7315	A1/A2L	10.13	3.86	B3
OP-MSIM108	1	114X7316	A1/A2L	10.83	3.79	B3

R1234yf MBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -10°C	Rated COP	Housing*
OP-MSSM012	1	114X7238	A1/A2L	0.66	1.76	B1
OP-MSSM015	1	114X7239	A1/A2L	0.74	1.69	B1
OP-MSSM018	1	114X7240	A1/A2L	0.88	1.65	B1
OP-MSSM021	1	114X7241	A1/A2L	1.05	1.77	B1
OP-MSSM026	1	114X7248	A1/A2L	1.31	1.95	B2
OP-MSSM030	1	114X7249	A1/A2L	1.47	1.83	B2

Conditions EN 13215 (mid point): +32°C ambient temp., superheat 10K, subcooling 0K
 Rated COP/SEPR (SEPR for higher cooling cap. than 5kW) at EcoDesign rating conditions: +32°C ambient, subcooling 0K, RGT20°C

* Dimensions and weight page 5



For regular updates and detailed capacities, please refer to Coolselector® software coolselector.danfoss.com



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Danfoss Optyma™ multi-refrigerant condensing units

Applications and Designation



A2L-ready components



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Optyma™ Slim Pack (W05) – Multi-refrigerant models

R454C LBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -35°C	Rated COP	Housing*
OP-LSVM014	1	114X7263	A1/A2L	0.34	0.87	B1
OP-LSVM016	1	114X7242	A1/A2L	0.35	0.86	B1
OP-LSVM026	1	114X7227	A1/A2L	0.52	0.77	B2
OP-LSVM034	1	114X7228	A1/A2L	0.76	0.95	B2
OP-LSVM048	3	114X7245	A1/A2L	0.83	0.96	B2
OP-LSVM048	1	114X7244	A1/A2L	0.88	1.00	B2
OP-LSVM068	3	114X7247	A1/A2L	1.22	0.96	B2

R455A LBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -35°C	Rated COP	Housing*
OP-LSVM014	1	114X7263	A1/A2L	0.32	1.23	B1
OP-LSVM016	1	114X7242	A1/A2L	0.36	0.90	B1
OP-LSVM026	1	114X7227	A1/A2L	0.51	0.92	B2
OP-LSVM034	1	114X7228	A1/A2L	0.79	0.97	B2
OP-LSVM048	3	114X7245	A1/A2L	0.79	1.03	B2
OP-LSVM048	1	114X7244	A1/A2L	0.78	1.02	B2
OP-LSVM068	3	114X7247	A1/A2L	1.24	1.04	B2

Conditions EN 13215 (mid point): +32°C ambient temp., superheat 10K, subcooling 0K
 Rated COP at EcoDesign rating conditions: +32°C ambient, subcooling 0 K, RGT20°C
 * Dimensions and weight page 5



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Optyma™ Slim Pack (W09) – Multi-refrigerant models

R454C MBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -10°C	Rated COP/SEPR	Housing*
OP-MSTM008	1	114X7286	A1/A2L	0.63	1.84	B1
OP-MSTM009	1	114X7287	A1/A2L	0.70	1.82	B1
OP-MSTM012	1	114X7288	A1/A2L	1.16	1.81	B1
OP-MSTM014	1	114X7289	A1/A2L	1.20	1.71	B1
OP-MSTM018	1	114X7290	A1/A2L	1.32	1.65	B1
OP-MSTM022	1	114X7299	A1/A2L	1.86	1.97	B2
OP-MSTM026	1	114X7300	A1/A2L	2.22	2.15	B2
	3	114X7301	A1/A2L	2.23	2.20	B2
OP-MSTM034	1	114X7302	A1/A2L	2.45	1.67	B2
	3	114X7303	A1/A2L	2.46	1.71	B2
OP-MSIM034	3	114X7275	A1/A2L	3.40	2.50	B2
	1	114X7274	A1/A2L	3.47	2.42	B2
OP-MSIM044	1	114X7277	A1/A2L	4.21	2.29	B2
	3	114X7276	A1/A2L	4.31	2.41	B2
OP-MSIM046	1	114X7279	A1/A2L	4.40	2.28	B2
	3	114X7278	A1/A2L	4.47	2.40	B2
OP-MSIM057	3	114X7281	A1/A2L	5.21	3.73	B2
	1	114X7280	A1/A2L	5.22	3.47	B2
OP-MSIM068	1	114X7317	A1/A2L	6.78	3.83	B3
	3	114X7318	A1/A2L	6.85	4.27	B3
OP-MSIM080	1	114X7320	A1/A2L	7.66	3.51	B3
	3	114X7319	A1/A2L	7.91	4.24	B3
OP-MSIM099	3	114X7321	A1/A2L	9.36	3.86	B3
OP-MSIM108	3	114X7322	A1/A2L	9.99	3.79	B3

R455A MBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -10°C	Rated COP/SEPR	Housing*
OP-MSTM008	1	114X7286	A1/A2L	0.68	1.88	B1
OP-MSTM009	1	114X7287	A1/A2L	0.82	1.89	B1
OP-MSTM012	1	114X7288	A1/A2L	1.24	1.88	B1
OP-MSTM014	1	114X7289	A1/A2L	1.31	1.80	B1
OP-MSTM018	1	114X7290	A1/A2L	1.46	1.70	B1
OP-MSTM022	1	114X7299	A1/A2L	1.99	1.88	B2
OP-MSTM026	1	114X7300	A1/A2L	2.41	1.89	B2
	3	114X7301	A1/A2L	2.43	1.95	B2
OP-MSTM034	1	114X7302	A1/A2L	2.84	1.77	B2
	3	114X7303	A1/A2L	2.86	1.82	B2
OP-MSIM034	1	114X7275	A1/A2L	3.72	2.46	B2
	3	114X7274	A1/A2L	3.72	2.54	B2
OP-MSIM044	1	114X7277	A1/A2L	4.59	2.23	B2
	3	114X7276	A1/A2L	4.67	2.39	B2
OP-MSIM046	1	114X7279	A1/A2L	4.77	2.22	B2
	3	114X7278	A1/A2L	4.82	2.37	B2
OP-MSIM057	1	114X7281	A1/A2L	5.66	3.47	B2
	3	114X7280	A1/A2L	5.69	3.73	B2
OP-MSIM068	1	114X7317	A1/A2L	7.43	4.27	B3
	3	114X7318	A1/A2L	7.53	3.83	B3
OP-MSIM080	1	114X7320	A1/A2L	8.41	3.51	B3
	3	114X7319	A1/A2L	8.56	4.24	B3
OP-MSIM099	1	114X7321	A1/A2L	10.13	3.86	B3
OP-MSIM108	1	114X7322	A1/A2L	10.83	3.79	B3

R1234yf MBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -10°C	Rated COP	Housing*
OP-MSSM012	1	114X7291	A1/A2L	0.66	1.76	B1
OP-MSSM015	1	114X7292	A1/A2L	0.74	1.69	B1
OP-MSSM018	1	114X7293	A1/A2L	0.88	1.65	B1
OP-MSSM021	1	114X7294	A1/A2L	1.05	1.77	B1
OP-MSSM026	1	114X7304	A1/A2L	1.31	1.95	B2
OP-MSSM030	1	114X7305	A1/A2L	1.47	1.83	B2

Conditions EN 13215 (mid point): +32°C ambient temp., superheat 10K, subcooling 0K

Rated COP/SEPR (SEPR for higher cooling cap. than 5kW) at EcoDesign rating conditions: +32°C ambient, subcooling 0K, RGT20°C

* Dimensions and weight page 5



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Danfoss Optyma™ multi-refrigerant condensing units

Applications and Designation



A2L-ready components



Optyma™ Slim Pack (W09) – Multi-refrigerant models

R454C LBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -35°C	Rated COP	Housing*
OP-LSVM014	1	114X7295	A1/A2L	0.34	0.87	B1
OP-LSVM016	1	114X7296	A1/A2L	0.35	0.86	B1
OP-LSVM026	1	114X7297	A1/A2L	0.52	0.77	B2
OP-LSVM034	1	114x7298	A1/A2L	0.76	0.95	B2
OP-LSVM048	3	114x7283	A1/A2L	0.83	0.96	B2
OP-LSVM048	1	114x7282	A1/A2L	0.88	1.00	B2
OP-LSVM068	3	114X7285	A1/A2L	1.22	0.96	B2

R455A LBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -35°C	Rated COP	Housing*
OP-LSVM014	1	114X7295	A1/A2L	0.32	1.23	B1
OP-LSVM016	1	114X7296	A1/A2L	0.36	0.90	B1
OP-LSVM026	1	114X7297	A1/A2L	0.51	0.92	B2
OP-LSVM034	1	114x7298	A1/A2L	0.79	0.97	B2
OP-LSVM048	3	114x7283	A1/A2L	0.79	1.03	B2
OP-LSVM048	1	114x7282	A1/A2L	0.78	1.02	B2
OP-LSVM068	3	114X7285	A1/A2L	1.24	1.04	B2



Danfoss Optyma™ multi-refrigerant condensing units



Applications and Designation



A2L-ready components

Conditions EN 13215 (mid point): +32°C ambient temp., superheat 10K, subcooling 0K
Rated COP at EcoDesign rating conditions: +32°C ambient, subcooling 0 K, RGT20°C
* Dimensions and weight page 5



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Optyma™ Plus

For connected installations, the Optyma™ Plus multi-refrigerant condensing units offer efficiency, smart technology, and top-shelf performance.



Danfoss Optyma™
multi-refrigerant
condensing units

	Standard range (A1 refrigerants)	Multi-refrigerant range (A1/A2L)
Transition to A2L safely and without complexity:		✓
<ul style="list-style-type: none"> — A1/A2L compressor — Up to 2 stackable units — Preprogrammed controller with A2Ls — Sealed electrical box — Electrical components and flare connections approved for A2Ls — Fan-timer for ventilation before compressor starts — Louvers and holes for compressor-compartment ventilation 		
Cut operational costs:	✓	✓
<ul style="list-style-type: none"> — High efficiency cutting energy costs — Connectivity to the cloud for operational efficiency 		
Reduce downtime:	✓	✓
<ul style="list-style-type: none"> — Double-door design allows accessible, quick, and easy maintenance — Microchannel condenser is fast and easy to clean — Preset controller for fast commissioning — Freezer LBP Scroll versions, equipped with electronic liquid injection 		
Cut installation and service costs:	✓	✓
<ul style="list-style-type: none"> — Compact design and stackable units save installation time — Preset parameters speed up start time, reduce mistakes, and save time and money on repairs 		

Scan the QR code
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augmented reality



A2L-ready
components

Watch the video
on YouTube:



Optyma™ Plus – Multi-refrigerant models

R454C MBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -10°C	Rated COP/SEPR	Housing*
OP-MPTM008	1	114X4107	A1/A2L	0.63	1.84	H1
OP-MPTM009	1	114X4111	A1/A2L	0.70	1.82	H1
OP-MPTM012	1	114X4113	A1/A2L	1.16	1.81	H1
OP-MPTM014	1	114X4114	A1/A2L	1.20	1.71	H1
OP-MPTM018	1	114X4115	A1/A2L	1.32	1.65	H1
OP-MPTM022	1	114X4237	A1/A2L	1.86	1.97	H2
OP-MPTM026	1	114X4238	A1/A2L	2.22	2.15	H2
	3	114X4239	A1/A2L	2.23	2.20	H2
OP-MPTM034	1	114X4241	A1/A2L	2.45	1.67	H2
	3	114X4242	A1/A2L	2.46	1.71	H2
OP-MPIM034	3	114X4205	A1/A2L	3.40	2.5	H2
	1	114X4204	A1/A2L	3.47	2.42	H2
OP-MPIM046	1	114X4207	A1/A2L	4.40	2.28	H2
	3	114X4206	A1/A2L	4.47	2.40	H2
OP-MPIM057	3	114X4209	A1/A2L	5.21	3.73	H2
	1	114X4208	A1/A2L	5.22	3.47	H2
OP-MPIM068	1	114X7311	A1/A2L	6.78	3.83	H3
	3	114X4307	A1/A2L	6.85	4.27	H3
OP-MPIM080	1	114X4312	A1/A2L	7.66	3.51	H3
	3	114X4309	A1/A2L	7.91	4.24	H3
OP-MPIM108	3	114X4314	A1/A2L	9.99	3.79	H3
OP-MPIM125	3	114X4409	A1/A2L	11.89	3.86	H4
OP-MPIM162	3	114X4410	A1/A2L	14.34	3.31	H4

R455A MBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -10°C	Rated COP/SEPR	Housing*
OP-MPTM008	1	114X4107	A1/A2L	0.68	1.88	H1
OP-MPTM009	1	114X4111	A1/A2L	0.82	1.89	H1
OP-MPTM012	1	114X4113	A1/A2L	1.24	1.88	H1
OP-MPTM014	1	114X4114	A1/A2L	1.31	1.80	H1
OP-MPTM018	1	114X4115	A1/A2L	1.46	1.70	H1
OP-MPTM022	1	114X4237	A1/A2L	1.99	1.89	H2
OP-MPTM026	1	114X4238	A1/A2L	2.41	1.90	H2
	3	114X4239	A1/A2L	2.43	1.95	H2
OP-MPTM034	1	114X4241	A1/A2L	2.84	1.77	H2
	3	114X4242	A1/A2L	2.86	1.81	H2
OP-MPIM034	1	114X4205	A1/A2L	3.72	2.46	H2
	3	114X4204	A1/A2L	3.72	2.54	H2
OP-MPIM046	1	114X4207	A1/A2L	4.77	2.22	H2
	3	114X4206	A1/A2L	4.82	2.37	H2
OP-MPIM057	1	114X4209	A1/A2L	5.66	3.47	H2
	3	114X4208	A1/A2L	5.69	3.73	H2
OP-MPIM068	3	114X7311	A1/A2L	7.43	4.27	H3
	1	114X4307	A1/A2L	7.53	3.83	H3
OP-MPIM080	1	114X4312	A1/A2L	8.41	3.51	H3
	3	114X4309	A1/A2L	8.56	4.24	H3
OP-MPIM108	3	114X4314	A1/A2L	10.83	3.79	H3
OP-MPIM125	3	114X4409	A1/A2L	13.49	3.86	H4
OP-MPIM162	3	114X4410	A1/A2L	15.22	3.31	H4

R1234yf MBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -10°C	Rated COP	Housing*
MPSM026	1	114X4243	A1/A2L	1.31	1.95	H2
MPSM030	1	114X4244	A1/A2L	1.47	1.82	H2

Conditions EN 13215 (mid point): +32°C ambient temp., superheat 10K, subcooling 0K, RGT20°C
 Rated COP/SEPR (SEPR for higher cooling cap. than 5kW) at EcoDesign rating
 +32°C ambient, subcooling 0K, RGT20°C

*Dimensions and weight page 5



For regular updates and detailed capacities, please refer to Coolselector®2 software coolselector.danfoss.com



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Danfoss Optyma™ multi-refrigerant condensing units

Applications and Designation



A2L-ready components



Optyma™ Plus – Multi-refrigerant models

R454C LBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -35°C	Rated COP/SEPR	Housing*
OP-LPVM016	1	114X3110	A1/A2L	0.35	0.87	H1
OP-LPVM026	1	114X3201	A1/A2L	0.52	0.87	H2
OP-LPVM034	1	114X3202	A1/A2L	0.83	0.96	H2
OP-LPVM048	1	114X3204	A1/A2L	0.88	1.00	H2
	3	114X3205	A1/A2L	0.76	0.96	H2
OP-LPVM068	3	114X3207	A1/A2L	1.22	0.96	H2
OP-LPKM067	3	114X3304	A1/A2L	2.23	1.71	H3
OP-LPKM084	3	114X3305	A1/A2L	2.76	1.67	H3
OP-LPKM098	3	114X3306	A1/A2L	3.16	1.63	H3
OP-LPKM120	3	114X3405	A1/A2L	3.89	1.66	H4
OP-LPKM168	3	114X3406	A1/A2L	5.01	1.68	H4

R455A LBP

Model	Phases	Code no.	Refrigerant	Cooling capacity in [kW] at evapo-rating temp. -35°C	Rated COP/SEPR	Housing*
OP-LPVM016	1	114X3110	A1/A2L	0.425	0.91	H1
OP-LPVM026	1	114X3201	A1/A2L	0.579	0.93	H2
OP-LPVM034	3	114X3202	A1/A2L	0.928	1.04	H2
OP-LPVM048	1	114X3204	A1/A2L	0.896	0.98	H2
	3	114X3205	A1/A2L	0.935	1.03	H2
OP-LPVM068	1	114X3207	A1/A2L	1.392	0.99	H2
OP-LPKM067	3	114X3304	A1/A2L	2.543	1.71	H3
OP-LPKM084	3	114X3305	A1/A2L	3.055	1.67	H3
OP-LPKM098	3	114X3306	A1/A2L	3.593	1.55	H3
OP-LPKM120	3	114X3405	A1/A2L	4.395	1.70	H4
OP-LPKM168	3	114X3406	A1/A2L	5.899	1.73	H4

Conditions EN 13215 (mid point): +32°C ambient temp., superheat 10K, subcooling 0K
Rated COP/ SEPR (SEPR for higher cooling cap. than 2kW) at EcoDesign rating conditions:
+32°C ambient, subcooling 0 K, RGT20°C

* Dimensions and weight page 5



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Danfoss Optyma™ multi-refrigerant condensing units

Applications and Designation

A2L-ready components



Applications and **Designation**

MBP and LBP applications



- Cold rooms, display cabinets in convenience stores, mini-markets, restaurants, fresh-fish counters, butchers, bakeries, florists, laboratories
- Wine cellars
- Milk cooling
- Industrial processes
- Dairy and general food storage

Designation

OP = Optyma

OP - MSXM034 ML W05 G

TTTT **1 2 3 4** 5 6 7 8

- 1** Application: **M** = MBP ; **L** = LBP
- 2** Condensing unit family: **S** = Slim Pack / **P** = OP Plus
- 3** Refrigerant: **B** = R449A, R452A, R404A/R507 ; **G** = R134a, R513A; **H** = R404A/R507 ; **I** = R404A, R452A, R448A, R449A, R513A, R134a, R454C, R455A ; **K** = R404A, R448A, R449A, R454C, R455A ; **O** = R448A, R449A, R452A, R404A/R507 ; **P** = R448A, R449A, R407A/F, R404A/507 ; **Q** = R452A, R404A/R507 ; **S** = R1234yf, R134a, R513A ; **T** = R454C, R455A, R448A, R449A, R452A, R404A/507 ; **V** = R454C, R455A, R452A, R404A/507 ; **X** = R404A/R507, R134a, R513A, R407A/F, R448A, R449A, R452A ; **Y** = R404A/R507, R449A
- 4** **M** = Microchannel condenser
- 5** Displacement in cm³: Example 034 = 34 cm³
- 6** Compressor platform: such as **ML** = high efficiency fix speed scroll MLZ
- 7** **W05**: Optyma™ Slim Pack
W09: Optyma™ Slim Pack with fan-speed controller and main switch
P00: Optyma™ Plus
P02: Optyma™ Plus with liquid injection
- 8** Electrical code: **G** = 230V/1-phase compressor & fan
E = 400V/3-phase compressor & 230V/1-phase fan



Danfoss Optyma™
multi-refrigerant
condensing units



Applications and
Designation

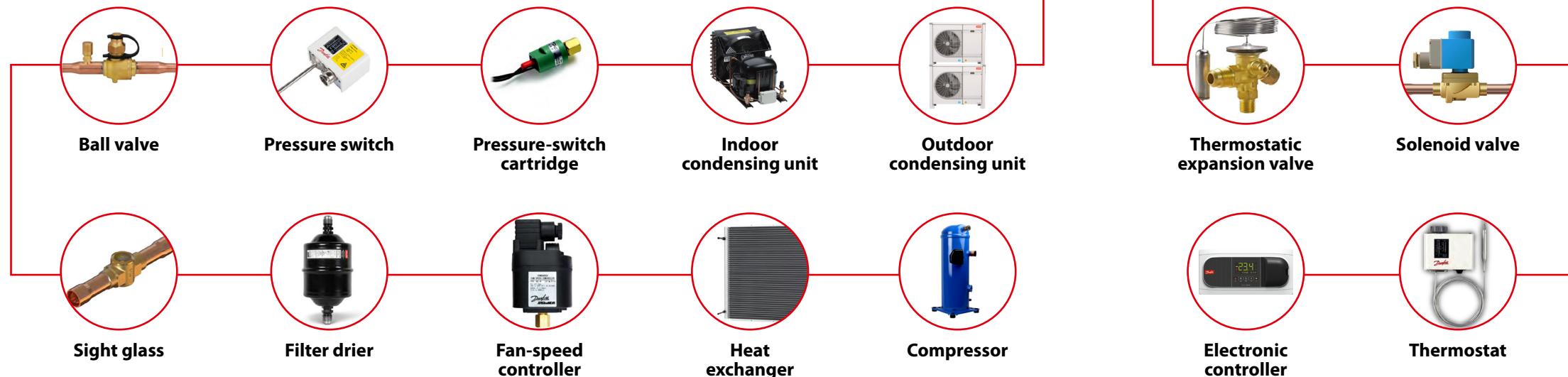


A2L-ready
components

An overview of Danfoss A2L-ready products

Ready to support your green transition with an **entire A2L portfolio**

Danfoss supports your green transition with a broad portfolio of A2L-compatible condensing units, compressors, and components. That means you can switch to low GWP refrigerants at your own pace – with ease and confidence.



Tip: Make a fast selection with the cold-room in Coolselector®



Danfoss Optyma™ multi-refrigerant condensing units



Applications and Designation



A2L-ready components

Ready to take the green route to compliance? **Danfoss is with you all the way.**

Cooling professionals contribute to a sustainable future by installing highly efficient solutions and choosing low GWP refrigerants.

› Learn how Danfoss supports your journey to compliance



For more low-GWP options, discover our standard range of A1-compatible condensing units



Learn more about the EU regulations impacting condensing units – and how you can integrate efficient and compliant solutions into your application



Accelerate the refrigerant transition and turn down climate impact



The Danfoss Learning center offers courses, webinars, and materials designed to sharpen your knowledge and skills in refrigeration and air conditioning

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