ENGINEERING
TOMORROW

60Hz Catalogue

Danfoss **Light Commercial Refrigeration** Compressors B, U, L, P, X, S Ranges - **60Hz**

R134a | R404A | R507 | R290 | R22

lightcommercialrefrigeration.danfoss.com

Contents

Small L range

Features:
More compact, more efficient
Range:
2.2 – 3.1cc
Refrigerants:
R134a
Applications:
Small refrigerators and freezers

B range

Features:
More displacement, more efficient, compactness
Range:
2.2 – 6.5cc
Refrigerants:
R134a
Applications:
Water coolers, can / bottle coolers, small refrigerator and freezers

U range

Features:
27% more efficiency than L range, more compact: 12 mm shorter, 2.5 kg lighter, -10dB(A) quieter
Range:
5.50 to 8.1 cc
Refrigerants:
R134a, R290, R1234yf
Applications:
Ice Cream Freezers, Bottle Coolers, Chest coolers , Freezers, Refrigerated Display Counters, Display Cabinets

L range

Features:
Highly efficient range with propane (R290) & isobutane (R600a)
Range:
4.56 to 10.70 cc
Refrigerants:
R134a, R404A, R290, R507, R1234yf, R22
Applications:
Household Refrigerators, Bottle Coolers and Freezers, Can Coolers, Chest Freezers, Vending Machines, Ice Cream Freezers, Beer Dispensers, Ice Makers, Soft Drink Dispensers, Heat Pump Systems

P range

Features:
High efficiency versions
Highly efficient range with propane (R290)
Range:
12.00 - 18.00 cc
Refrigerants:
R134a, R404A, R290, R507, R1234yf, R22
Applications:
Household Refrigerators, Bottle Coolers and Freezers, Can Coolers, Chest Freezers, Vending Machines, Ice Cream Freezers, Beer Dispensers, Ice Makers, Soft Drink Dispensers

X range

Features:
High reliability & efficiency. Optimized design to work under heavy duty operating conditions
Range:
16.00 to 23.00 cc
Refrigerants:
R134a, R404A, R290, R407C, R507, R1234yf, R22
Applications:
Large Freezers (vertical and chest), Blast Freezers, Ice Makers, Vending Machines, Display Cabinets, Display Islands, Soft Drink Dispensers

S range

Features:
Top capacity range, optimized design to reduce vibration
Range:
18.00 to 34.42 cc
Refrigerants:
R134a, R404A, R407C, R507, R1234yf, R22
Applications:
Large Freezers (vertical and chest), Soft Drink Dispensers, Blast Freezers, Air Dryers, Ice Makers, Air Conditioning, Vending Machines, Heat Pumps, Display Cabinets and Islands

The Green Cooling Ranges

The most extended range of compressors for sustainable refrigeration in terms of energy consumption reduction.

The advanced design of the Green Cooling Ranges allows efficiency improvement providing energy consumption reductions up to 45% compared to standard versions; consequently, lower CO_2 emissions to the atmosphere.

The Green Cooling Ranges comprise **High Efficiency, Natural Refrigerants and Variable Speed Compressors.**

The Green Cooling range improves the compressor COP between **20%** and **30%** in comparison with standard ranges.

GREEN
COOLING

The major environmental benefits are obtained combining the use of the R290 with the design criteria of high efficiency ranges.

These compressor models, in their more advanced version, can save up to 50% of energy when compared with standard efficiency series of R404A thanks to its high-efficiency mechanics, its advanced motor winding design and the optional running capacitor concept.

High Efficiency Ranges

The High Efficiency models reduce energy consumption of commercial refrigeration appliances between 10% and 30% with respect to standard ranges. Most High-Efficiency models are equipped with electric motors, designed with the "optional run capacitor" concept, that is, the compressor can work with or without a running capacitor (CSR/CSIR), offering different levels of efficiency with the same compressor. The new U range offers the highest level of efficiency with propane in the market today.

Natural Refrigerants

Natural refrigerants like propane (R290) and isobutane (R600a) are being gradually introduced in commercial appliances, not only due to the replacement of H-CFC's and HFC's refrigerants which have high impact on environment, but also because it is more efficient in terms of performance and applications' energy consumption.

Refrigerant propane has no direct contribution to global warming and its energy consumption is between 10% to 15% lower than a similar application with R404A. The R290 compressors offer a higher cooling capacity and COP allowing energy-saving consumption with smaller displacement.

AC Variable Speed Compressors

The Variable speed compressor offers the lowest energy consumption by means of electronically self-adjusting the compressor's speed to the appliance's cooling needs, while improving COP up to 50%. Using Smart Speed® software with communication capabilities, this compressor automatically achieves the best efficiency for the appliance while dynamically adapting the compressor's speed to the needed cooling capacity.

Variable speed compressors - AC

Features:
High Efficiency, Flexible Speed Drive
Drop-in Configuration
External Controlling
200-240 V / 50-60Hz
110-127V / 50-60Hz
Models:
GLT99FSN, NPT12FSC, NLT60FSN
Refrigerant:
R290, R134a

DC Variable Speed Compressors for Mobile Applications

The mobile cooling solutions for transportation vehicles are designed to operate from a 12-42V DC power supply. These compressors are designed for mobile DC applications in boats, trucks, private cars, medical appliances in ambulances, truck cabin air conditioners, among others.

The GD30FDC model is the solution for users requiring comfort and reliability while traveling where a DC powered refrigerator is utilized.

The GLT80TDC is the answer to the needs of users requiring comfort and reliability while traveling, either on holidays, at work or in any other circumstance where a DC powered air conditioner is utilized.

The GD30FDC and GLT80TDC are designed to operate from a low voltage DC power supply to operate silently, efficiently and reliably even when tilted up to 30° / 20° respectively, working with refrigerant R134a.

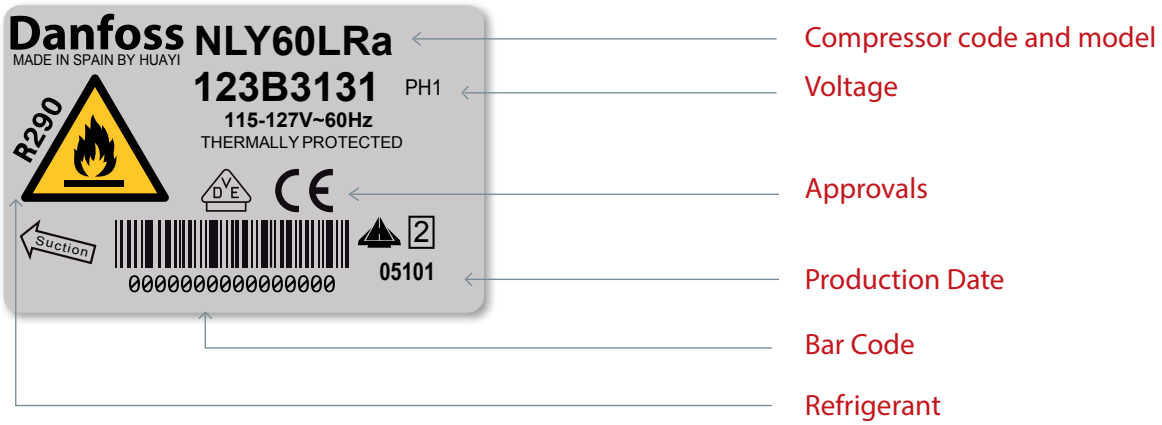
Variable Speed Compressors - DC

Features:
DC compressors for mobile applications, exceptionally silent
GD30FDC VDE & UL approved
Ready to work under heavy duty operating conditions
12-42V DC / 24-42V DC / 48-56V DC
Models:
GD30FDC, GLT80TDC.
Refrigerant:
R134a

The electronic driver of all Variable Speed Compressors include the Smart Speed® programming option, which is a plug-in system for automatically self-adapting compressor speed to the current thermal load.

Labels and Approvals

For U, L, P, X, S



For Small L & B

Approvals

Directive compliance declarations

Flammable gases

Compressor Nomenclature U, L, P, X and S Ranges

model

G L Y 6 0 R A a

G L Y 60 R A a

Indicates refrigerant. Not appearing in case of ranges for R22

G = R134a **N** = R290

M = R404A/R507

Indicates compressor range (overall design).

L = 4.5 - 11cm³ **X** = 16 - 23cm³

U = 5.5 - 9cm³ **P** = 12 - 18cm³ **S** = 18 - 34cm³

Indicates energy efficiency level. Not appearing in case of Standard efficiency.

M = Medium

Y = High Efficiency - Run Capacitor Optional RSIR/RSCR or CSIR/CSR

T = Top Efficiency - Run Capacitor RSCR or CSR

Indicates approximate compressor displacement under the following rule:

U / L ranges 10 times the approx. displacement in cm³/rev (GL90TB -> approx 9 cm³/rev)

P / X / S ranges The approx. displacement in cm³/rev (MX21TG -> approx 21 cm³/rev)

Indicates the starting torque, application type and compressor cooling:

A = LBP - LST - S
C = LBP - LST - FAN
D = LBP - HST - S
F = LBP - HST -FAN
L = LBP - HST - Fan (Current Relay)
M = HMBP - LST/HST - S/FAN
N = LMBP - LST/HST - S/FAN
P = HMBP - LST - FAN
R = HMBP - HST - FAN (CSR versions with Current Relay)
T = HMBP - HST - FAN (CSR versions with Potential Relay)

Indicates the rated voltage:

A = 220-240V 50Hz
B = 220-240V 50Hz (standard efficiency)
C = 100V 50/60Hz (standard efficiency)
D = 115V 60Hz
E = 115V 60Hz (standard efficiency)
F = 208-230V 60Hz
G = 200-220V 50Hz / 220-230V 60Hz
J = 100V 50/60Hz
N = 200-220V 50Hz or 200-240V 50Hz / 220-230V 60Hz
R = 115-127V 60Hz
3 = 3 phase 400-440V 50/60Hz

Indicates a variant of the model that only affects the configuration of electrical components. Its meaning may vary from model to model. It does not appear on the compressor label but it is used for ordering, invoicing and HCB internal processes.

Examples:

1. In high-efficiency compressors ("Y" series, i.e.: GPY12LA or MLY80RD), the letters "a" or "b" may indicate the type of electrical connection corresponding to the electrical accessories supplied with the compressor.

a = no use of running capacitor
b = use of running capacitor

2. In X range it indicates the electrical accessories corresponding to the following situations:

a = Current relay + NTC (no external connecting box)

Compressor Nomenclature Small L & B Ranges

model

B 43 H 5

B **43** **H** **5**

Range:
L --> Small L range
B --> B range

Displacement x10:
22 - 2.2cc
25 - 2.5cc
30 - 30cc

Refrigerant & application:
H = R134a LBP
G = R134a HBP

Voltage & Frequency:
Blank = 220-240V 50Hz and 220-240V 60 Hz
0 = 100V 50/60Hz
5 = 115V 60Hz
7 = 127V 60Hz

Voltage

The standards consider the voltage variation of the network to be within +/- 6% of its rated value, nevertheless the motors' design is able to work within -15% of the lowest rating and +10% of the highest rating.

Compressor Voltage Versions		
Voltage version	**Compressor rating**	**Voltage operative range**
A or B	220-240 V 50 Hz	187-264 V 50 Hz
C or J	100 V 50/60 Hz	85-110 V 50/60 Hz
D or E	115 V 60 Hz	98-127 V 60 Hz
G or F **L or N**	200- 220/220-230 V 50/60 Hz	170-242/187-253 V 50/60 Hz
M or R	115-127V 60Hz	98-140V 60Hz
T	200-220V 50Hz	187-242V 50Hz
U	208-230V 60Hz	177-253V 60Hz
3	400/440 V 50/60 Hz 3ph	340-440/374-484 V 50/60 Hz

Applications

Based on the characteristics of the system for which the compressor is intended, compressors are classified in different groups of application.

Low Back Pressure (LBP) Compressors.
Evaporating temperature range: -31°F to +14°F [-35°C to -10°C] (down to -40°F [-40°C] for refrigerant R404A and R290). Evaporating temperature range for Small L and B range: -31°F [-40°C] to +5°F [-15°C]
Rating condition: -10°F [-23.3°C] (ASHRAE).

Low-Medium Back Pressure (LMBP) Compressors.
Evaporating temperature range: -31°F to +23°F [-35°C to -5°C]
Rating condition: -10°F [-23.3°C] (ASHRAE).

Medium Back Pressure (MBP) Compressors.
Evaporating temperature range: -10°F to 32°F [-25°C to 0°C]
Rating condition: +20°F [-6.7°C]

High Medium Back Pressure (HMBP) Compressors.
Evaporating temperature range: -13°F to +50°F [-25°C to +10°C].
Rating condition: +45°F [+7.2°C] (ASHRAE).

High Back Pressure (HBP) Compressors.
Evaporating temperature range: +5°F to +50°F [-15°C to +10°C].
Rating condition: +45°F [+7.2°C] (ASHRAE).

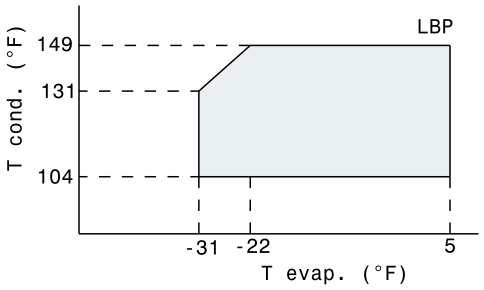
Very High Back Pressure (VHBP) Compressors.
Evaporating temperature range +32°F to +77°F [0°C to +25°C] with condensing temperature up to +167°F [+75°C].
The rating condition is defined by an internal standard: Te = +50°F [+10°C].

Operating Envelope

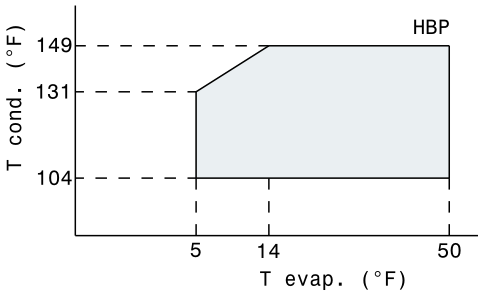
In order to grant the compressor reliability it is recommended that the point representing the operating conditions (suction and discharge pressures) falls within the shadowed area of the corresponding graph.

For Small L and B ranges:

R134a LBP

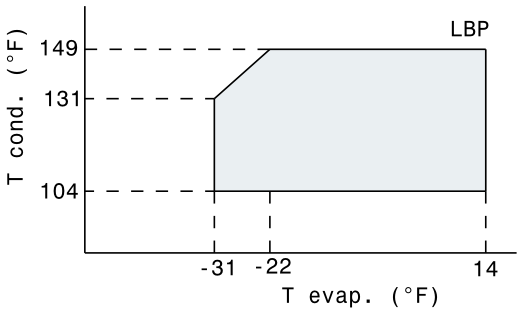


R134a HBP

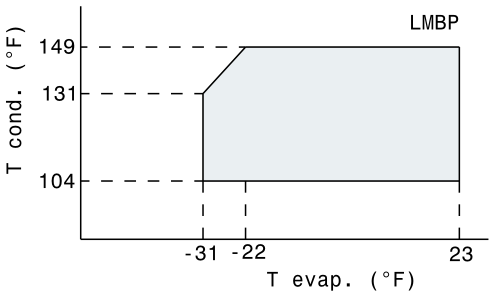


For U, L, P, X and S ranges:

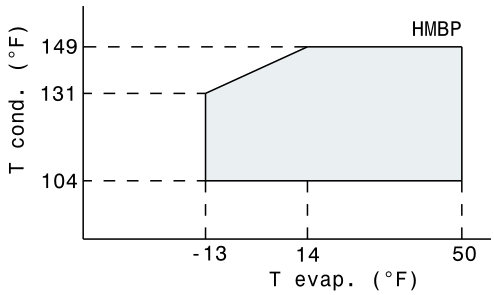
R134a LBP



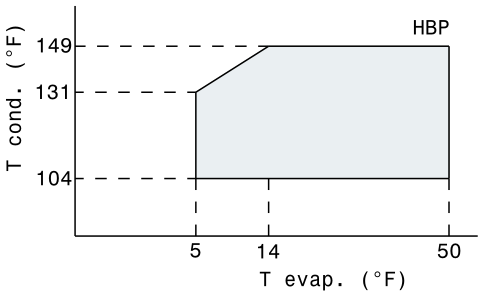
R134a LMBP



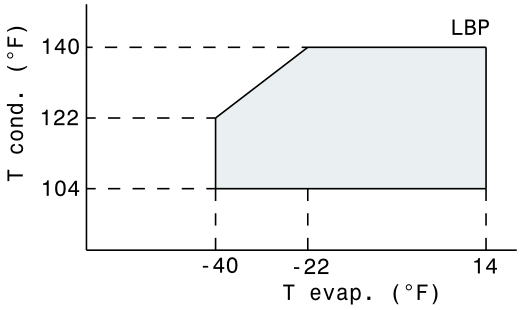
R134a HMBP



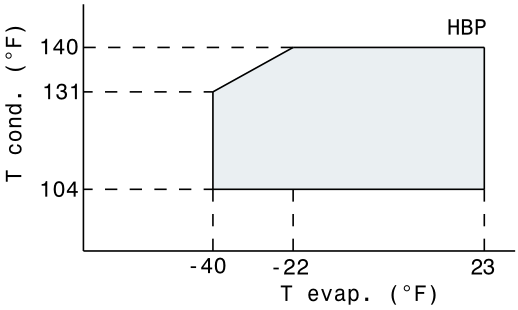
R134a HBP



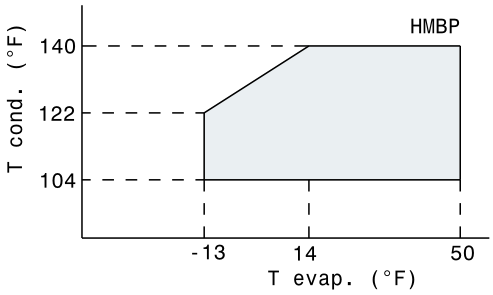
R290 LBP



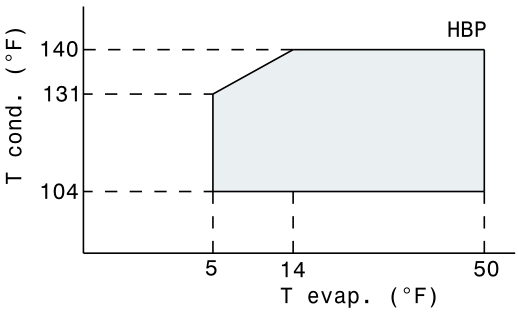
R290 LMBP



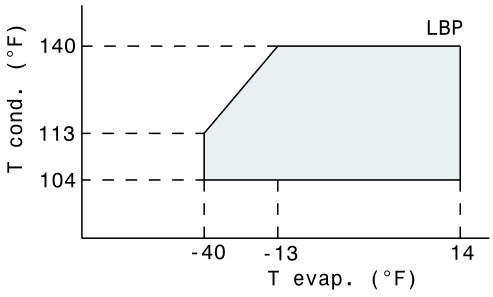
R290 HMBP



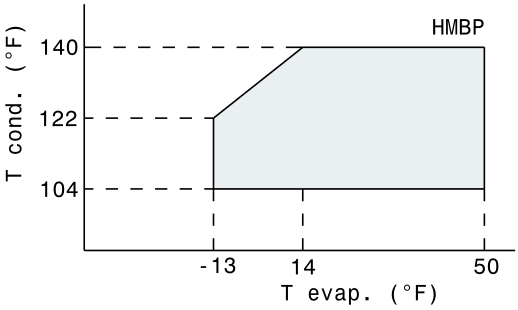
R290 HBP



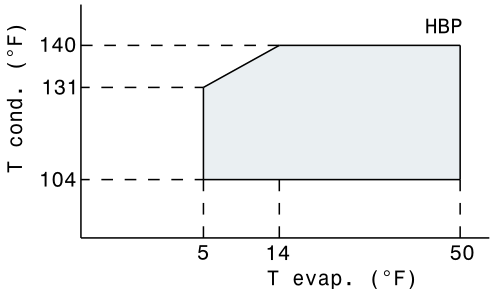
R404A LBP



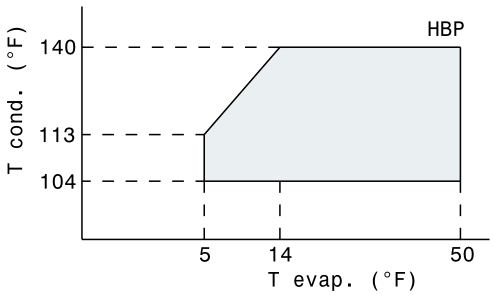
R404A HMBP



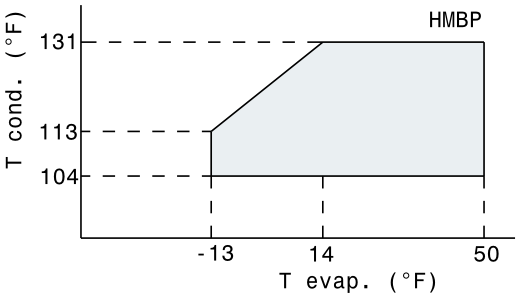
R404A HBP



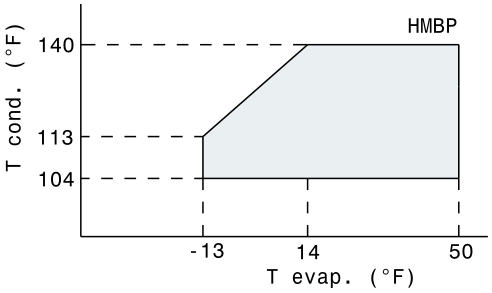
R22 HBP



R22 HMBP - L Range



R22 HMBP - S Range



Types of Electrical Motors

RSIR (Resistance Start-Induction Run)
LST motor. No capacitors. Auxiliary winding is disconnected after start up. Standard energy efficiency.

CSIR (Capacitor Start-Induction Run)
HST motor. With starting capacitor.
Auxiliary winding is disconnected after start up. Standard efficiency.

RSCR (Resistance Start-Capacitor Run)
LST motor. With running capacitor. Auxiliary winding remains connected after start up.
Used for high efficiency in small capacity compressors (particularly in household refrigeration)

CSR (Capacitor Start and Run)
HST motor. Two capacitors (starting and running).
Auxiliary winding remains connected after start up.
Used for high efficiency in small compressors and for size reduced size motors in compressors with comparatively large displacements.

Single phase motor classification

Capacitor type	HST With starting capacitor		LST Without starting capacitor	
With Running capacitor	Motor type: CSR	Starting device: Current relay + NTC for L, P and X ranges Potential relay for P, X & S ranges	Motor type: RSCR	Starting device: PTC
Without Running capacitor	Motor type: CSIR	Starting device: Current Relay	Motor type: RSIR	Starting device: Current Relay or PTC

Type of starting device

Current relay – (electromechanical). RSIR/CSIR motors and CSR low/medium-power motors with NTC (the NTC is connected in series with the starting capacitor and the main propose is to reduce the current peaks in the relay contacts)

Potential relay – (electromechanical). CSR high-power motors.

PTC – (Positive Temperature Coefficient), the resistance increases with the temperature. Device only with RSIR or RSCR motors in the D, L and P ranges.

NTC – (Negative Temperature Coefficient), the resistance decreases with the temperature. Used in some CSR in order to reduce dimensions and components.

Type of torque

LST – Low Starting Torque – Systems with capillary tube or balanced pressures at start up.

HST – High Starting Torque – Systems with expansion valve or capillary tube, with unbalanced pressures at start up.

How to read this Catalogue

Compressors

Grouped by Refrigerant type: **R134a (*)**

Grouped by Application type: **LBP | LMBP**

Grouped by Frequency: **60Hz**

Indicates Green Cooling models

COMPRESSOR MODEL	DANFOSS CODE (¤)	DISPLACEMENT	POWER	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)								WEIGHT	DESIGN
								-22°F (-30°C)		-10°F (-23.3°C) Cooling Capacity		COP	EER	+14°F (-10°C)			
		cm³	hp					Btu/h	W	Btu/h	W	W/W	Btu/Wh	Btu/h	W	lbs	
L22H5	123B8107	2.20	1/20	RSIR	110-120V 60Hz	LBP	Static	113	33	**181**	**53**	**0.75**	**2.55**	396	116	7.9	Lb
L30HL	123B8102	3.00	1/12	RSIR	220-240V 60Hz	LBP	Static	157	46	**252**	**74**	**1.04**	**3.54**	553	162	9.3	Lc
L30H5L	123B8108	3.1	1/12	RSIR	110-120V 60Hz	LBP	Static	164	48	**266**	**78**	**0.95**	**3.24**	580	170	8.6	Lc
B38H5	123B8110	3.80	1/12	RSIR	110-115V 60Hz	LBP	Static	203	59	**329**	**96**	**1.11**	**3.78**	720	211	11.0	Bc
B38H	123B8103	3.80	1/7	RSIR	220-240V 60Hz	LBP	Static	203	59	**329**	**96**	**1.11**	**3.78**	720	211	10.1	Bb
B43H	123B8104	4.30	1/7	RSIR	220-240V 60Hz	LBP	Static	236	69	**377**	**110**	**1.11**	**3.77**	786	230	11.9	Bc
B43HB	123B8105	4.30	1/10	RSCR	220-240V 60Hz	LBP	Static	236	69	**377**	**110**	**1.3**	**3.77**	786	230	11.5	Bc
B43H5L	123B8114	4.30	1/10	RSIR	110-120V 60Hz	LBP	Static	236	69	**377**	**110**	**1.05**	**3.77**	786	230	11.0	Bc
GL45ANa	123B1113	4.56	1/8	RSIR	208-230 V 60 Hz	LBP	Static	274	80	**433**	**127**	**1.09**	**3.73**	897	263	18.5	Lb
GUY50LDb	123B1172	5.10	1/6	RSCR	115V 60 Hz	LBP	Static	423	124	**564**	**165**	**1.43**	**4.88**	1115	327	18.5	Ub
GL60ANa	123B1118	5.98	1/6	RSIR	208-230 V 60 Hz	LBP	Static	452	133	**604**	**177**	**1.15**	**3.91**	1198	351	20.1	Lc
GL60ANb	123B1119	5.98	1/6	CSIR	208-230 V 60 Hz	LBP	Fan	452	133	**604**	**177**	**1.15**	**3.91**	1198	351	20.1	Lc
GL60ANc	123B1120	5.98	1/6	CSIR	208-230 V 60 Hz	LBP	Static	452	133	**604**	**177**	**1.15**	**3.91**	1198	351	20.1	Lc
GUY60NRb	123B1301	6.00	1/5	CSIR	115-127V 60Hz	LMBP	Fan	481	141	**738**	**216**	**1.44**	**4.90**	1489	436	19.8	Ub
GUY60NRc	123B1308	6.00	1/5	CSIR	115-127V 60Hz	LMBP	Static	481	141	**738**	**216**	**1.44**	**4.90**	1489	436	19.8	Ub
GUY70NRb	123B1307	6.70	1/5	CSIR	115-127V 60Hz	LMBP	Fan	507	149	**786**	**230**	**1.50**	**5.10**	1626	477	20.5	Ub
GUY70NRc	123B1309	6.70	1/5	CSIR	115-127V 60Hz	LMBP	Static	507	149	**786**	**230**	**1.50**	**5.10**	1626	477	20.5	Ub
GL80ANa	123B1125	8.10	1/5	RSIR	208-230 V 60 Hz	LBP	Static	520	152	**826**	**242**	**1.19**	**4.07**	1619	475	21.6	Ld
GL80ANb	123B1126	8.10	1/5	CSIR	208-230 V 60 Hz	LBP	Fan	520	152	**826**	**242**	**1.19**	**4.07**	1619	475	21.6	Ld
GL80ANc	123B1127	8.10	1/5	CSIR	208-230 V 60 Hz	LBP	Static	520	152	**826**	**242**	**1.19**	**4.07**	1619	475	21.6	Ld
GUY80NRb	123B1303	8.10	1/4	CSIR	115-127V 60Hz	LMBP	Fan	580	170	**905**	**265**	**1.45**	**4.94**	1873	549	21.2	Ub
GUY80NRc	123B1310	8.10	1/4	CSIR	115-127V 60Hz	LMBP	Static	580	170	**905**	**265**	**1.45**	**4.94**	1873	549	21.2	Ub
GL90ANa	123B1132	9.09	1/4	RISR	208-230 V 60 Hz	LBP	Static	564	165	**863**	**253**	**1.20**	**4.10**	1774	520	22.9	Ld
GL90ANb	123B1133	9.09	1/4	CSIR	208-230 V 60 Hz	LBP	Fan	564	165	**863**	**253**	**1.20**	**4.10**	1774	520	22.9	Ld
GL90ANc	123B1134	9.09	1/4	CSIR	208-230 V 60 Hz	LBP	Static	564	165	**863**	**253**	**1.20**	**4.10**	1774	520	22.9	Ld
GLY12NRa	123B1304	10.70	3/8	CSIR	115-127V 60Hz	LMBP	Fan	705	207	**1091**	**320**	**1.33**	**4.53**	2234	655	24.7	Ld
GLY12NRb	123B1305	10.70	3/8	CSR	115-127V 60Hz	LMBP	Fan	705	207	**1091**	**320**	**1.39**	**4.74**	2234	655	24.7	Ld
GP14CG	123B1142	14.17	3/8	RSIR	208-230 V 60 Hz	LBP	Fan	758	222	**1231**	**361**	**1.18**	**4.03**	2480	727	25.4	Pc
GP14FE	123B1163	14.17	3/8	CSIR	115V 60 Hz	LBP	Fan	778	228	**1249**	**366**	**0.94**	**3.21**	2508	735	25.4	Pd
GPY14NDa	123B1311	14.32	3/8	CSIR	115V 60 Hz	LMBP	Fan	925	271	**1484**	**435**	**1.17**	**4.00**	2979	873	26.9	Pd
GPY14NDb	123B1312	14.32	3/8	CSR	115V 60 Hz	LMBP	Fan	925	271	**1484**	**435**	**1.25**	**4.27**	2979	873	26.9	Pd
GPY14NGa (**)	123B1313	14.32	3/8	CSIR	220-230V 60Hz	LMBP	Fan	1017	298	**1527**	**448**	**1.26**	**4.29**	3095	907	27.3	Pd
GPY14NGb(**)	123B1314	14.32	3/8	CSR	220-230V 60Hz	LMBP	Fan	1017	298	**1547**	**453**	**1.33**	**4.55**	3095	907	27.3	Pd
GP16FE	123B1164	16.15	3/8	CSIR	115V 60 Hz	LBP	Fan	877	257	**1433**	**420**	**1.00**	**3.42**	2829	829	28.4	Pd

Green Cooling Models
(*) Or HFO-1234yf
(**) Model under development
(¤) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R134a
R404A/R507
R22
R290

R134a (*) LBP | LMBP

	COMPRESSOR MODEL	DANFOSS CODE (¤)	DISPLACEMENT	POWER	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)								WEIGHT	DESIGN
									-22°F (-30°C)		-10°F (-23.3°C)				+14°F (-10°C)			
											Cooling Capacity		COP	EER				
			cm³	hp					Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	Btu/h	W	lbs	
🌿	L22H5	123B8107	2.20	1/20	RSIR	110-120V 60Hz	LBP	Static	113	33	**181**	**53**	**0.75**	**2.55**	396	116	7.9	Lb
🌿	L30HL	123B8102	3.00	1/12	RSIR	220-240V 60Hz	LBP	Static	157	46	**252**	**74**	**1.04**	**3.54**	553	162	9.3	Lc
	L30H5L	123B8108	3.1	1/12	RSIR	110-120V 60Hz	LBP	Static	164	48	**266**	**78**	**0.95**	**3.24**	580	170	8.6	Lc
🌿	B38H5	123B8110	3.80	1/12	RSIR	110-115V 60Hz	LBP	Static	203	59	**329**	**96**	**1.11**	**3.78**	720	211	11.0	Bc
🌿	B38H	123B8109	3.80	1/7	RSIR	220-240V 60Hz	LBP	Static	203	59	**329**	**96**	**1.11**	**3.78**	720	211	10.1	Bb
🌿	B43H	123B8104	4.30	1/7	RSIR	220-240V 60Hz	LBP	Static	236	69	**377**	**110**	**1.11**	**3.77**	786	230	11.9	Bc
	B43HB	123B8105	4.30	1/10	RSCR	220-240V 60Hz	LBP	Static	236	69	**377**	**110**	**1.3**	**3.77**	786	230	11.5	Bc
	B43H5L	123B8114	4.30	1/10	RSIR	110-120V 60Hz	LBP	Static	236	69	**377**	**110**	**1.05**	**3.77**	786	230	11.0	Bc
	GL45ANa	123B1113	4.56	1/8	RSIR	208-230 V 60 Hz	LBP	Static	274	80	**433**	**127**	**1.09**	**3.73**	897	263	18.5	Lb
🌿	GUY50LDb	123B1172	5.10	1/6	RSCR	115V 60 Hz	LBP	Static	423	124	**564**	**165**	**1.43**	**4.88**	1115	327	18.5	Ub
	GL60ANa	123B1118	5.98	1/6	RSIR	208-230 V 60 Hz	LBP	Static	452	133	**604**	**177**	**1.15**	**3.91**	1198	351	20.1	Lc
	GL60ANb	123B1119	5.98	1/6	CSIR	208-230 V 60 Hz	LBP	Fan	452	133	**604**	**177**	**1.15**	**3.91**	1198	351	20.1	Lc
	GL60ANc	123B1120	5.98	1/6	CSIR	208-230 V 60 Hz	LBP	Static	452	133	**604**	**177**	**1.15**	**3.91**	1198	351	20.1	Lc
🌿	GUY60NRb	123B1301	6.00	1/5	CSIR	115-127V 60Hz	LMBP	Fan	481	141	**738**	**216**	**1.44**	**4.90**	1489	436	19.8	Ub
🌿	GUY60NRc	123B1308	6.00	1/5	CSIR	115-127V 60Hz	LMBP	Static	481	141	**738**	**216**	**1.44**	**4.90**	1489	436	19.8	Ub
🌿	GUY70NRb	123B1307	6.70	1/5	CSIR	115-127V 60Hz	LMBP	Fan	507	149	**786**	**230**	**1.50**	**5.10**	1626	477	20.5	Ub
🌿	GUY70NRc	123B1309	6.70	1/5	CSIR	115-127V 60Hz	LMBP	Static	507	149	**786**	**230**	**1.50**	**5.10**	1626	477	20.5	Ub
	GL80ANa	123B1125	8.10	1/5	RSIR	208-230 V 60 Hz	LBP	Static	520	152	**826**	**242**	**1.19**	**4.07**	1619	475	21.6	Ld
	GL80ANb	123B1126	8.10	1/5	CSIR	208-230 V 60 Hz	LBP	Fan	520	152	**826**	**242**	**1.19**	**4.07**	1619	475	21.6	Ld
	GL80ANc	123B1127	8.10	1/5	CSIR	208-230 V 60 Hz	LBP	Static	520	152	**826**	**242**	**1.19**	**4.07**	1619	475	21.6	Ld
🌿	GUY80NRb	123B1303	8.10	1/4	CSIR	115-127V 60Hz	LMBP	Fan	580	170	**905**	**265**	**1.45**	**4.94**	1873	549	21.2	Ub
🌿	GUY80NRc	123B1310	8.10	1/4	CSIR	115-127V 60Hz	LMBP	Static	580	170	**905**	**265**	**1.45**	**4.94**	1873	549	21.2	Ub
	GL90ANa	123B1132	9.09	1/4	RISR	208-230 V 60 Hz	LBP	Static	564	165	**863**	**253**	**1.20**	**4.10**	1774	520	22.9	Ld
	GL90ANb	123B1133	9.09	1/4	CSIR	208-230 V 60 Hz	LBP	Fan	564	165	**863**	**253**	**1.20**	**4.10**	1774	520	22.9	Ld
	GL90ANc	123B1134	9.09	1/4	CSIR	208-230 V 60 Hz	LBP	Static	564	165	**863**	**253**	**1.20**	**4.10**	1774	520	22.9	Ld
🌿	GLY12NRa	123B1304	10.70	3/8	CSIR	115-127V 60Hz	LMBP	Fan	705	207	**1091**	**320**	**1.33**	**4.53**	2234	655	24.7	Ld
🌿	GLY12NRb	123B1305	10.70	3/8	CSR	115-127V 60Hz	LMBP	Fan	705	207	**1091**	**320**	**1.39**	**4.74**	2234	655	24.7	Ld
	GP14CG	123B1142	14.17	3/8	RSIR	208-230 V 60 Hz	LBP	Fan	758	222	**1231**	**361**	**1.18**	**4.03**	2480	727	25.4	Pc
	GP14FE	123B1163	14.17	3/8	CSIR	115V 60 Hz	LBP	Fan	778	228	**1249**	**366**	**0.94**	**3.21**	2508	735	25.4	Pd
🌿	GPY14NDa	123B1311	14.32	3/8	CSIR	115V 60 Hz	LMBP	Fan	925	271	**1484**	**435**	**1.17**	**4.00**	2979	873	26.9	Pd
🌿	GPY14NDb	123B1312	14.32	3/8	CSR	115V 60 Hz	LMBP	Fan	925	271	**1484**	**435**	**1.25**	**4.27**	2979	873	26.9	Pd
🌿	GPY14NGa(**)	123B1313	14.32	3/8	CSIR	220-230V 60Hz	LMBP	Fan	1017	298	**1527**	**448**	**1.26**	**4.29**	3095	907	27.3	Pd
🌿	GPY14NGb(**)	123B1314	14.32	3/8	CSR	220-230V 60Hz	LMBP	Fan	1017	298	**1547**	**453**	**1.33**	**4.55**	3095	907	27.3	Pd
	GP16FE	123B1164	16.15	3/8	CSIR	115V 60 Hz	LBP	Fan	877	257	**1433**	**420**	**1.00**	**3.42**	2829	829	28.4	Pd

R134a (*) HBP | HMBP

	COMPRESSOR MODEL	DANFOSS CODE (¤)		POWER	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)										WEIGHT	DESIGN
									+14°F (-10°C)		+20°F (-6.7°C)				+45°F (+7.2°C)					
											Cooling Capacity		COP	EER	Cooling Capacity		COP	EER		
			cm³	hp					Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	**Btu/h**	**W**	**W/W**	**Btu/Wh**	lbs	
	B22G5	123B8116	2.20	1/16	RSIR	110-115V 60Hz	HBP	S / F	352	103	416	122	1.49	5.07	**771**	**226**	**2.13**	**7.27**	10.6	Bb
	B25G5L(**)	123B8119	2.60	1/14	CSIR	110-115V 60Hz	HBP	S / F	395	116	485	142	1.46	5.00	**952**	**279**	**2.28**	**7.78**	11.8	Be
	B30G5	123B8122	3.10	1/12	RSIR	110-115V 60Hz	HBP	S / F	496	145	587	172	1.45	4.93	**1072**	**314**	**2.08**	**7.08**	10.6	Bb
	B35G5	123B8124	3.50	1/10	CSIR	110-115V 60Hz	HBP	S / F	576	169	677	198	1.43	4.87	**1250**	**366**	**2.12**	**7.22**	10.8	Bb

🌿 Green Cooling Models
(*) Or HFO-1234yf
(**) Model under development
(¤) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

This table continues in the following page

R134a (*) HMBP

	COMPRESSOR MODEL	DANFOSS CODE (¤)		POWER	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)									WEIGHT	DESIGN
									+14°F (-10°C)		+20°F (-6.7°C)				+45°F (+7.2°C)				
											Cooling Capacity		COP	EER	Cooling Capacity		COP	EER	
			cm³	hp					Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/h**	**Btu/h**	**W**	**W/W**	**Btu/Wh**	lbs	
	B38G	123B8128	3.50	1/10	CSIR	220-240V 50/60Hz	HBP	S / F	685	123	786	230	1.72	5.87	**1386**	**176**	**2.31**	**7.87**	11.8	Bd
	B38G5L(**)	123B8126	3.80	1/8	CSIR	110-115V 60Hz	HBP	S / F	677	198	801	235	1.52	5.17	**1440**	**422**	**2.13**	**7.26**	12.1	Be
	GL45MG	123B1704	4.50	1/6	CSIR	230V 60 Hz	HBP	Static	766	224	951	279	1.41	4.83	**1634**	**479**	**1.92**	**6.54**	19.4	Lb
	GL45PE	123B1568	4.50	1/6	RSIR	115 V 60 Hz	HMBP	Fan	766	224	902	264	1.34	4.56	**1634**	**479**	**1.84**	**6.29**	18.5	Lb
	GL45TE	123B1569	4.50	1/6	CSIR	115 V 60 Hz	HMBP	Fan	766	224	902	264	1.34	4.56	**1634**	**479**	**1.84**	**6.29**	19.0	Lb
	GL45TG	123B1517	4.50	1/6	CSIR	208-230V 60 Hz	HMBP	Fan	766	224	902	264	1.37	4.67	**1634**	**479**	**1.92**	**6.54**	19.0	Lb
	GL60MG	123B1705	5.68	1/5	CSIR	230V 60 Hz	HBP	Static	967	284	1148	336	1.46	4.97	**2064**	**605**	**2.02**	**6.88**	21.8	Lc
	GL60PE	123B1570	5.68	1/5	RSIR	115 V 60 Hz	HMBP	Fan	976	286	1151	337	1.46	4.98	**2088**	**612**	**2.01**	**6.85**	20.9	Lc
	GL60TE	123B1571	5.68	1/5	CSIR	115 V 60 Hz	HMBP	Fan	976	286	1151	337	1.46	4.98	**2088**	**612**	**2.01**	**6.85**	21.4	Lc
	GL60TG	123B1522	5.68	1/5	CSIR	208-230V 60 Hz	HMBP	Fan	976	286	1151	337	1.49	5.07	**2088**	**612**	**2.04**	**6.96**	21.8	Lc
	GL80MG	123B1706	7.57	1/5	CSIR	230V 60 Hz	HBP	Static	1303	382	1575	462	1.57	5.34	**2788**	**817**	**2.15**	**7.33**	22.3	Lc
	GL80PE	123B1574	7.57	1/5	RSIR	115 V 60 Hz	HMBP	Fan	1230	361	1456	427	1.54	5.26	**2648**	**776**	**2.04**	**6.97**	20.9	Lc
	GL80TE	123B1575	7.57	1/5	CSIR	115 V 60 Hz	HMBP	Fan	1230	361	1456	427	1.54	5.26	**2648**	**776**	**2.04**	**6.97**	22.3	Lc
	GL80TG	123B1528	7.57	1/5	CSIR	208-230V 60 Hz	HMBP	Fan	1230	361	1456	427	1.54	5.26	**2648**	**776**	**2.04**	**6.97**	22.3	Lc
✓	GLY80RDa	123B1572	8.10	1/5	CSIR	115V 60 Hz	HMBP	Fan	1468	430	1735	508	1.71	5.82	**3177**	**931**	**2.34**	**7.99**	23.4	Lc
✓	GLY80RDb	123B1573	8.10	1/5	CSR	115V 60 Hz	HMBP	Fan	1468	430	1735	508	1.82	6.20	**3177**	**931**	**2.51**	**8.57**	23.4	Lc
	GL90MG	123B1707	8.85	1/4	CSIR	230V 60 Hz	HBP	Static	1468	430	1829	536	1.59	5.41	**3177**	**931**	**2.12**	**7.22**	23.8	Ld
	GL90PE	123B1578	8.85	1/4	RSIR	115V 60 Hz	HMBP	Fan	1484	435	1749	513	1.53	5.22	**3160**	**926**	**2.06**	**7.02**	23.8	Ld
	GL90TE	123B1579	8.85	1/4	CSIR	115V 60 Hz	HMBP	Fan	1484	435	1749	513	1.53	5.22	**3160**	**926**	**2.06**	**7.02**	23.8	Ld
	GL90TG	123B1534	8.85	1/4	CSIR	208-230V 60 Hz	HMBP	Fan	1484	435	1749	513	1.49	5.08	**3160**	**926**	**1.97**	**6.72**	23.8	Ld
✓	GLY90RDa	123B1576	9.09	1/4	CSIR	115V 60 Hz	HMBP	Fan	1694	497	1991	584	1.68	5.72	**3574**	**1047**	**2.25**	**7.68**	23.4	Ld
✓	GLY90RDb	123B1577	9.09	1/4	CSR	115V 60 Hz	HMBP	Fan	1694	497	1991	584	1.79	6.09	**3574**	**1047**	**2.42**	**8.26**	23.4	Ld
✓	GLY12RGa	123B1710	10.70	3/8	CSIR	220-230V 60Hz	HBP	Fan	1956	573	2291	671	1.6	5.45	**4031**	**1181**	**2.00**	**6.82**	24.7	Ld
✓	GLY12RGb	123B1711	10.70	3/8	CSR	220-230V 60Hz	HBP	Fan	1956	573	2291	671	1.75	5.97	**4031**	**1181**	**2.24**	**7.64**	24.7	Ld
✓	GLY12RRa	123B1601	10.70	3/8	CSIR	115-127V 60Hz	HMBP	Fan	1964	576	2311	677	1.61	5.48	**4143**	**1214**	**2.20**	**7.50**	24.6	Ld
✓	GLY12RRb	123B1599	10.70	3/8	CSR	115-127V 60Hz	HMBP	Fan	1964	576	2311	677	1.71	5.82	**4143**	**1214**	**2.32**	**7.92**	24.6	Ld
✓	GPY12RDa	123B1580	12.10	3/8	CSIR	115V 60 Hz	HMBP	Fan	2302	675	2681	786	1.68	5.73	**4685**	**1373**	**2.25**	**7.68**	27.1	Pd
✓	GPY12RDb	123B1581	12.10	3/8	CSR	115V 60 Hz	HMBP	Fan	2302	675	2681	786	1.8	6.14	**4685**	**1373**	**2.44**	**8.33**	27.1	Pd
	GP14PE	123B1586	14.17	3/8	RSIR	115V 60 Hz	HMBP	Fan	2183	640	2596	761	1.53	5.21	**4784**	**1402**	**2.03**	**6.93**	25.4	Pd
	GP14TE	123B1587	14.17	3/8	CSIR	115V 60 Hz	HMBP	Fan	2183	640	2596	761	1.53	5.21	**4784**	**1402**	**2.03**	**6.93**	25.4	Pd
	GP14TG	123B1539	14.17	3/8	CSIR	208-230V 60 Hz	HMBP	Fan	2183	640	2596	761	1.53	5.21	**4784**	**1402**	**2.03**	**6.93**	28.4	Pd
✓	GPY14RDa	123B1584	14.32	1/2	CSIR	115V 60 Hz	HMBP	Fan	2657	779	1023	300	0.72	2.58	**5824**	**1707**	**2.22**	**7.56**	28.2	Pd
✓	GPY14RDb	123B1585	14.32	1/2	CSR	115V 60 Hz	HMBP	Fan	2657	779	1023	300	0.76	1.60	**5824**	**1707**	**2.36**	**8.07**	28.2	Pd
	GP16TE	123B1718	16.15	3/8	CSIR	115V 60 Hz	HBP	Fan	2714	795	3196	937	1.44	4.91	**5756**	**1687**	**1.96**	**6.69**	28.4	Pd
	GP16TG	123B1714	16.15	3/8	CSIR	208-230V 60 Hz	HBP	Fan	2714	795	3196	937	1.52	5.20	**5756**	**1687**	**2.00**	**6.81**	28.4	Pd
✓	GPY16RDa	123B1588	16.15	1/2	CSIR	115V 60 Hz	HMBP	Fan	2976	872	3486	1022	1.59	5.44	**6202**	**1818**	**2.18**	**7.42**	27.6	Pd
✓	GPY16RDb	123B1589	16.15	1/2	CSR	115V 60 Hz	HMBP	Fan	2976	872	3486	1022	1.7	5.78	**6202**	**1818**	**2.31**	**7.90**	27.6	Pd
✓	GPT16RG	123B1715	16.15	1/2	CSR	220-230V 60Hz	HBP	Fan	3036	890	3510	1029	1.73	5.91	**6639**	**1946**	**2.17**	**8.09**	27.6	Pd
	GX18TG	123B1545	18.40	1/2	CSIR	208-230V 60 Hz	HMBP	Fan	3107	911	3671	1076	1.58	5.37	**6643**	**1947**	**2.17**	**7.42**	35.1	Xc
	GX23TG	123B1548	23.20	5/8	CSIR	208-230V 60 Hz	HMBP	Fan	3889	1140	4584	1343	1.47	5.00	**8260**	**2421**	**1.98**	**6.77**	37.5	Xd
	GS26T3	123B1551	25.93	3/4	3PH	440V 60 Hz	HMBP	Fan	4325	1268	5241	1536	1.76	5.98	**9926**	**2909**	**2.40**	**8.20**	50.0	Sd
	GS26TG	123B1550	25.93	3/4	CSIR	208-230V 60 Hz	HMBP	Fan	4325	1268	5241	1536	1.69	5.77	**9926**	**2909**	**2.40**	**8.20**	50.0	Sc
	GS30TG	123B1553	29.95	7/8	CSR	208-230V 60 Hz	HMBP	Fan	4881	1430	5975	1751	1.78	6.08	**11833**	**3468**	**2.61**	**8.90**	50.7	Sd
	GS34TG	123B1602	34.42	1	CSR	220-230V 60Hz	HMBP	Fan	5069	1486	6957	2039	1.77	6.05	**12407**	**3636**	**2.18**	**7.44**	49.2	Sd
	GS34TF	123B1590	34.42	1	CSR	208-230V 60 Hz	HMBP	Fan	6310	1849	7510	2201	1.86	6.36	**13580**	**3980**	**2.50**	**8.20**	50.0	Sd

✓ Green Cooling Models
(*) Or HFO-1234yf
(**) Model under development
(¤) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

This table continues in the following page

R404A • R507 (*) LBP

	COMPRESSOR MODEL	DANFOSS CODE (¤)	DISPLACEMENT	POWER	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)								WEIGHT	DESIGN
									-22°F (-30°C)		-10°F (-23.3°C)				+14°F (-10°C)			
											Cooling Capacity		COP	EER				
			cm³	hp					Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	Btu/h	W	lbs	
	ML45FG	123B2104	4.56	1/6	CSIR	208-230V 60 Hz	LBP	Fan	540	158	**794**	**233**	**0.97**	**3.31**	1488	436	22.7	Lc
	ML45FR	123B2160	4.56	1/6	CSIR	115-127V 60 Hz	LBP	Fan	540	158	**794**	**233**	**1.01**	**3.45**	1488	436	22.7	Lc
	ML60FG	123B2108	5.98	1/5	CSIR	208-230V 60 Hz	LBP	Fan	615	180	**1041**	**305**	**0.99**	**3.36**	1627	477	24.9	Lc
	ML60FR	123B2143	5.98	1/5	CSIR	115-127V 60 Hz	LBP	Fan	718	211	**1044**	**306**	**1.01**	**3.45**	1905	558	22.7	Lc
	MLY60LDa	123B2144	5.98	1/5	CSIR	115V 60 Hz	LBP	Fan	667	195	**1297**	**380**	**1.25**	**4.26**	2325	682	22.7	Lc
	MLY60LDb	123B2145	5.98	1/5	CSR	115V 60 Hz	LBP	Fan	667	195	**1297**	**380**	**1.34**	**4.56**	2325	682	22.7	Lc
	ML80FG	123B2112	8.10	1/4	CSIR	208-230V 60 Hz	LBP	Fan	1028	301	**1492**	**437**	**1.07**	**3.64**	2738	802	24.9	Ld
	ML80FR	123B2146	8.10	1/4	CSIR	115-127V 60 Hz	LBP	Fan	1028	301	**1492**	**437**	**1.05**	**3.59**	2738	802	24.9	Lc
	ML90FG	123B2116	8.86	1/3	CSIR	230V 60 Hz	LBP	Fan	1115	327	**1627**	**477**	**2.15**	**3.78**	2976	872	24.9	Ld
	ML90FR	123B2147	8.86	1/3	CSIR	115-127V 60 Hz	LBP	Fan	1115	327	**1627**	**477**	**1.11**	**3.79**	2976	872	24.9	Ld
	MLT90CD	123B2149	9.09	1/3	RSCR	115V 60 Hz	LBP	Fan	1333	391	**1881**	**551**	**1.40**	**4.78**	3571	1047	22.7	Ld
	MLT90CDc	123B2150	9.09	1/3	CSR	115V 60 Hz	LBP	Static	1306	383	**1881**	**551**	**1.40**	**4.78**	3476	1019	22.7	Ld
	MLT90LD	123B2148	9.09	1/3	CSR	115V 60 Hz	LBP	Fan	1306	383	**1881**	**551**	**1.40**	**4.78**	3476	1019	22.7	Ld
	MLY12LFa	123B2179	10.70	3/8	CSIR	208-230V 60Hz	LBP	Fan	1576	462	**2270**	**665**	**1.29**	**4.39**	4091	1199	23.4	Ld
	MLY12LFb	123B2180	10.70	3/8	CSR	208-230V 60Hz	LBP	Fan	1576	462	**2270**	**665**	**1.33**	**4.52**	4091	1199	23.6	Ld
	MLY12LGa	123B2121	10.70	3/8	CSIR	230V 60Hz	LBP	Fan	1614	473	**2297**	**673**	**1.22**	**4.16**	4099	1201	24.4	Ld
	MLY12LGb	123B2122	10.70	3/8	CSR	230V 60Hz	LBP	Fan	1614	473	**2297**	**673**	**1.29**	**4.40**	4099	1201	24.6	Ld
	MLY12LRa	123B2181	10.70	3/8	CSIR	115-127V 60Hz	LBP	Fan	1714	502	**2381**	**698**	**1.34**	**4.56**	4016	1177	24.4	Ld
	MLY12LRb	123B2182	10.70	3/8	CSR	115-127V 60Hz	LBP	Fan	1714	502	**2381**	**698**	**1.41**	**4.80**	4016	1177	24.4	Ld
	MPT12CD	123B2153	12.10	3/8	RSCR	115V 60 Hz	LBP	Fan	1905	558	**2580**	**756**	**1.41**	**4.83**	4603	1349	25.4	Pd
	MPT12LD	123B2152	12.10	3/8	CSR	115V 60 Hz	LBP	Fan	1905	558	**2580**	**756**	**1.41**	**4.83**	4603	1349	25.4	Pd
	MP14FE	123B2154	14.17	1/2	CSIR	115V 60 Hz	LBP	Fan	1635	479	**2501**	**733**	**1.10**	**3.74**	4758	1394	28.7	Pd
	MP14FG	123B2125	14.17	1/2	CSIR	230V 60 Hz	LBP	Fan	1635	479	**2501**	**733**	**1.15**	**3.91**	4758	1394	28.7	Pd
	MPT14LF	123B2156	14.32	1/2	CSR	208-230V 60 Hz	LBP	Fan	1998	585	**3056**	**896**	**1.34**	**4.57**	5814	1704	29.5	Pd
	MPT14LD	123B2155	14.32	1/2	CSR	115V 60 Hz	LBP	Fan	1893	555	**2896**	**849**	**1.27**	**4.33**	5509	1615	29.5	Pd
	MPT16LD(**)	123B2184	16.15	1/3	CSR	115V 60 Hz	LBP	Fan	2218	650	**3373**	**989**	**1.3**	**4.44**	5913	1733	27.5	Pd
	MX21FE(**)	123B2185	20.72	1/2	CSR	115V 60 Hz	LBP	Fan	1942	569	**2975**	**872**	**1.04**	**3.55**	6746	1977	38.5	Xd
	MX21FG	123B2131	20.72	3/4	CSR	208-230V 60 Hz	LBP	Fan	2484	728	**3730**	**1093**	**1.32**	**4.51**	7024	2059	35.7	Xd
	MX23FGa	123B2183	23.20	7/8	CSR	208-230V 60 Hz	LBP	Fan	2881	844	**4266**	**1250**	**1.32**	**4.49**	7937	2326	39.2	Xd
	MS26F3	123B2136	25.93	3/4	3 ph	440V 60 Hz	LBP	Fan	2948	864	**4634**	**1358**	**1.31**	**4.46**	8822	2585	45.9	Sd
	MS26FF	123B2157	25.93	3/4	CSR	208-230V 60 Hz	LBP	Fan	2948	864	**4634**	**1358**	**1.30**	**4.45**	8822	2585	49.8	Sd
	MS26FG	123B2135	25.93	3/4	CSR	230V 60 Hz	LBP	Fan	2948	864	**4634**	**1358**	**2.00**	**4.46**	8822	2585	49.8	Xd
	MS30F3	123B2138	29.95	7/8	3 ph	440V 60 Hz	LBP	Fan	3508	1028	**5554**	**1628**	**1.32**	**4.52**	10675	3128	52.9	Sd
	MS30FF	123B2158	29.95	7/8	CSR	208-230V 60 Hz	LBP	Fan	3508	1028	**5554**	**1628**	**1.31**	**4.48**	10675	3128	50.0	Sd
	MS30FG	123B2159	29.95	7/8	CSR	230V 60 Hz	LBP	Fan	3508	1028	**5554**	**1628**	**1.36**	**4.62**	10675	3128	50.0	Sd
	MS34F3	123B2140	34.42	1	3 ph	440V 60 Hz	LBP	Fan	4064	1191	**6466**	**1895**	**1.36**	**4.62**	12500	3663	50.5	Sd
	MS34FF	123B2174	34.42	1	CSIR	208V 60 Hz	LBP	Fan	4064	1191	**6254**	**1833**	**1.30**	**4.43**	12500	3663	50.5	Sd

Green Cooling models
(*) or HFO-1234fy
(**) Model under development
(¤) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R404A • R507 (*) HBP | HMBP

	COMPRESSOR MODEL	DANFOSS CODE (¤)		POWER	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)								WEIGHT	DESIGN
									+14°F (-10°C)		+20°F (-6.7°C)			+45°F (+7.2°C)				
											Cooling Capacity		COP	EER	Cooling Capacity		COP	EER		
			cm³	hp					Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	**Btu/h**	**W**	**W/W**	**Btu/Wh**	lbs	
	ML45TG	123B2504	4.50	1/5	CSIR	208-230V 60 Hz	HMBP	Fan	1536	450	**1572**	**461**	**1.31**	**4.47**	**2653**	**778**	**1.75**	**5.96**	22.1	Lc
	ML60TG	123B2508	5.68	1/4	CSIR	230V 60 Hz	HMBP	Fan	1627	477	**1886**	**553**	**1.34**	**4.58**	**3261**	**956**	**1.84**	**6.27**	22.1	Lc
	ML60TR	123B2529	5.68	1/4	CSIR	115-127V 60 Hz	HMBP	Fan	1627	477	**1886**	**553**	**1.33**	**4.53**	**3261**	**956**	**1.84**	**6.27**	221.	Lc
	MLY60RDa	123B2527	5.98	1/4	CSR	115V 60 Hz	HMBP	Fan	2024	593	**2323**	**681**	**1.56**	**5.33**	**3869**	**1134**	**2.10**	**7.17**	24.3	Lc
	MLY60RDb	123B2528	5.98	1/4	CSR	115V 60 Hz	HMBP	Fan	2024	593	**2323**	**681**	**1.65**	**5.62**	**3869**	**1134**	**2.27**	**7.74**	24.3	Lc
	ML80TG	123B2512	7.57	3/8	CSIR	208-230V 60 Hz	HMBP	Fan	2250	659	**2600**	**762**	**1.45**	**4.95**	**4415**	**1294**	**1.96**	**6.69**	24.7	Ld
	MLY80RDa	123B2530	8.10	3/8	CSIR	115V 60 Hz	HMBP	Fan	2698	791	**3112**	**912**	**1.62**	**5.52**	**5290**	**1550**	**2.15**	**7.34**	24.7	Ld
	MLY80RDb	123B2531	8.10	3/8	CSR	115V 60 Hz	HMBP	Fan	2698	791	**3112**	**912**	**1.68**	**5.73**	**5290**	**1550**	**2.22**	**7.59**	24.7	Ld
	ML90TG	123B2516	8.86	3/8	CSIR	230V 60 Hz	HMBP	Fan	2694	790	**3110**	**911**	**1.44**	**4.91**	**5305**	**1555**	**1.90**	**6.47**	28.0	Ld
	MLT12RG	123B2532	10.70	3/8	CSR	220-230V 60Hz	HMBP	Fan	3472	1018	**3986**	**1168**	**1.58**	**5.39**	**6686**	**1959**	**2.16**	**7.36**	27.0	Ld
	MLT12RD(**)	123B2542	10.70	3/8	CSR	115V 60 Hz	HMBP	Fan	3472	1018	**3986**	**1168**	**1.58**	**5.39**	**6686**	**1959**	**2.16**	**7.36**	27.0	Ld
	MPT12RG	123B2703	12.10	3/8	CSR	220-230V 60Hz	HBP	Fan	3875	1136	**4429**	**1298**	**1.59**	**5.43**	**7436**	**2179**	**2.22**	**7.56**	28.4	Pd
	MPT14RF	123B2543	14.32	1/2	CSR	220-230V 60Hz	HMBP	Fan	4632	1358	**5262**	**1542**	**1.58**	**5.39**	**8572**	**2512**	**1.95**	**6.66**	27.5	Pd
	MPT14RD	123B2544	14.32	1/2	CSR	115V 60 Hz	HMBP	Fan	4700	1378	**5350**	**1568**	**1.58**	**5.00**	**8650**	**2535**	**1.95**	**6.66**	27.5	Pd
	MX18TE	123B2545	18.40	7/8	CSR	115V 60 Hz	HMBP	Fan	5060	1483	**5883**	**1724**	**1.45**	**4.95**	**10120**	**2966**	**1.97**	**6.72**	37.5	Xd
	MX18TGa	123B2541	18.40	7/8	CSR	208-230V 60 Hz	HMBP	Fan	5476	1605	**6337**	**1857**	**1.55**	**5.29**	**10842**	**3177**	**2.15**	**7.35**	37.5	Xd
	MX21TGa	123B2714	20.72	1	CSR	208-230V 60 Hz	HMBP	Fan	6066	1778	**7022**	**2058**	**1.53**	**5.22**	**12010**	**3520**	**2.12**	**7.23**	38.8	Xd
	MS18T3	123B2520	18.10	7/8	3 ph	440V 60 Hz	HMBP	Fan	5079	1489	**5993**	**1756**	**1.64**	**5.59**	**10739**	**3147**	**2.26**	**7.70**	44.1	Sb
	MS22T3	123B2522	21.75	1	3 ph	440V 60 Hz	HMBP	Fan	6036	1769	**7172**	**2102**	**1.76**	**6.01**	**13030**	**3819**	**2.40**	**8.19**	44.1	Sc
	MS26T3	123B2525	25.93	1 3/8	3 ph	440V 60 Hz	HMBP	Fan	7802	2286	**9144**	**2680**	**1.72**	**5.82**	**16056**	**4706**	**2.26**	**7.70**	50.7	Sd
	MS26TG	123B2524	25.93	1 3/8	CSR	230V 60 Hz	HMBP	Fan	7802	2286	**9144**	**2680**	**1.78**	**6.05**	**16056**	**4706**	**2.38**	**8.11**	41.0	Sd
	MS34T3	123B2526	34.42	1 5/8	3 ph	440V 60 Hz	HMBP	Fan	10953	3210	**12659**	**3710**	**1.61**	**5.48**	**21157**	**6201**	**2.10**	**7.18**	50.3	Sd
	MS34TG	123B2711	34.42	1 5/8	CSR	230V 60 Hz	HMBP	Fan	10953	3210	**5662**	**1659**	**1.02**	**3.48**	**20952**	**6140**	**2.23**	**7.60**	50.7	Sd

R290 (*) LBP | LMBP

	COMPRESSOR MODEL	DANFOSS CODE (¤)	DISPLACEMENT	POWER	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)								WEIGHT	DESIGN
									-22°F (-30°C)		-10°F (-23.3°C)				+14°F (-10°C)			
											Cooling Capacity		COP	EER				
			cm³	hp					Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	Btu/h	W	lbs	
	NLY45LRa	123B3129	4.56	1/6	CSIR	115-127V 60 Hz	LBP	Fan	560	164	**800**	**234**	**1.35**	**4.60**	1540	451	22.7	Lc
	NLY45LRb	123B3130	4.56	1/6	CSR	115-127V 60 Hz	LBP	Fan	560	164	**800**	**234**	**1.44**	**4.91**	1540	451	22.7	Lc
	NUT55LRa	123B3147	5.50	1/5	CSIR	115-127V 60 Hz	LBP	Fan	798	234	**1111**	**326**	**1.60**	**5.45**	1944	570	21.0	Ub
	NUT55LRb	123B3148	5.50	1/5	CSR	115-127V 60 Hz	LBP	Fan	798	234	**1111**	**326**	**1.73**	**5.89**	1944	570	21.0	Ub
	NUT55LRc	123B3155	5.50	1/5	CSIR	115-127V 60 Hz	LBP	Static	798	234	**1111**	**326**	**1.60**	**5.45**	1944	570	21.0	Ub
	NUT55LRd	123B3156	5.50	1/5	CSR	115-127V 60 Hz	LBP	Static	798	234	**1111**	**326**	**1.73**	**5.89**	1944	570	21.0	Ub
	NLY60LRa	123B3131	5.98	1/5	CSIR	115-127V 60 Hz	LBP	Fan	841	246	**1190**	**349**	**1.42**	**4.86**	2083	610	22.7	Lc
	NLY60LRb	123B3132	5.98	1/5	CSR	115-127V 60 Hz	LBP	Fan	841	246	**1190**	**349**	**1.53**	**5.22**	2083	610	22.7	Lc
	NUT60LRa	123B3149	6.00	1/3	CSIR	115-127V 60 Hz	LBP	Fan	899	263	**1250**	**366**	**1.60**	**5.46**	2170	636	20.7	Ub
	NUT60LRb	123B3150	6.00	1/3	CSR	115-127V 60 Hz	LBP	Fan	899	263	**1250**	**366**	**1.73**	**5.90**	2170	636	20.9	Ub
	NUT60LRc	123B3151	6.00	1/3	CSIR	115-127V 60 Hz	LBP	Static	899	263	**1250**	**366**	**1.60**	**5.46**	2170	636	20.7	Ub
	NUT60LRd	123B3152	6.00	1/3	CSR	115-127V 60 Hz	LBP	Static	899	263	**1250**	**366**	**1.73**	**5.90**	2170	636	20.9	Ub
	NLY75NRa	#N/A	7.57	1/3	CSIR	115-127V 60 Hz	LMBP	Fan	999	293	**1389**	**407**	**1.34**	**4.57**	2411	707	20.9	Lc

Green Cooling models
(*) or HFO-1234fy
(**) Model under development
(¤) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

This table continues in the following page

R290 (*) LBP | LMBP

	COMPRESSOR MODEL	DANFOSS CODE (¤)	DISPLACEMENT	POWER	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)								WEIGHT	DESIGN
									-22°F (-30°C)		-10°F (-23.3°C)				+14°F (-10°C)			
											Cooling Capacity		COP	EER				
			cm³	hp					Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	Btu/h	W	lbs	
	NBC30NR(**)	contact Danfoss	3.00	1/8	RSIR	115-127V 60 Hz	LMBP	Fan	351	103	**522**	**153**	**1.32**	**4.51**	990	290	13.0	Be
	NLY75NRb	123B3302	7.57	1/3	CSR	115-127V 60 Hz	LMBP	Fan	999	293	**1389**	**407**	**1.46**	**4.98**	2411	707	20.9	Lc
	NLY75NGa (**)	123B3307	7.57	1/3	CSIR	208-230V 60Hz	LMBP	Fan	814	239	**1210**	**355**	**1.3**	**4.43**	2263	663	22.0	Ld
	NLY75NGb (**)	123B3308	7.57	1/3	CSR	208-230V 60Hz	LMBP	Fan	814	239	**1210**	**355**	**1.4**	**4.78**	2263	663	22.0	Ld
	NLY80LRa	123B3133	8.10	1/4	CSIR	115-127V 60 Hz	LBP	Fan	1040	305	**1393**	**408**	**1.28**	**4.36**	2659	779	24.0	Lc
	NLY80LRb	123B3134	8.10	1/4	CSR	115-127V 60 Hz	LBP	Fan	1040	305	**1393**	**408**	**1.35**	**4.60**	2659	779	24.0	Lc
	NLY90NRa(**)	123B3135	9.09	1/3	CSIR	115-127V 60 Hz	LMBP	Fan	1207	354	**1617**	**474**	**1.30**	**4.43**	3086	904	24.7	Ld
	NLY90NRb(**)	123B3136	9.09	1/3	CSR	115-127V 60 Hz	LMBP	Fan	1207	354	**1617**	**474**	**1.37**	**4.67**	3086	904	24.7	Ld
	NLY12NGa	123B3305	10.70	1/3	CSIR	220-230V 60Hz	LMBP	Fan	1416	415	**1984**	**581**	**1.35**	**4.61**	3550	1040	24.7	Ld
	NLY12NGb	123B3306	10.70	1/3	CSR	220-230V 60Hz	LMBP	Fan	1416	415	**1984**	**581**	**1.45**	**4.95**	3550	1040	24.7	Ld
	NLY12NRa(**)	123B3303	10.70	1/3	CSIR	115-127V 60 Hz	LMBP	Fan	1540	451	**2063**	**605**	**1.40**	**4.78**	3937	1154	23.8	Ld
	NLY12NRb(**)	123B3304	10.70	1/3	CSR	115-127V 60 Hz	LMBP	Fan	1540	451	**2063**	**605**	**1.50**	**5.12**	3937	1154	23.8	Ld
	NPY12LRa	123B3137	12.10	3/8	CSIR	115-127V 60 Hz	LBP	Fan	1579	463	**2115**	**620**	**1.28**	**4.36**	4036	1183	27.1	Pd
	NPY12LRb	123B3138	12.10	3/8	CSR	115-127V 60 Hz	LBP	Fan	1579	463	**2115**	**620**	**1.41**	**4.81**	4036	1183	27.1	Pd
	NPY14LFa	123B3139	14.32	1/2	CSIR	208-230V 60Hz	LBP	Fan	2080	610	**2786**	**816**	**1.83**	**6.24**	5316	1558	27.1	Pd
	NPY14LFb	123B3140	14.32	1/2	CSR	208-230V 60Hz	LBP	Fan	2080	610	**2786**	**816**	**2.01**	**6.86**	5316	1558	27.1	Pd
	NPT16LD(**)	123B3165	16.15	0.625	CSR	115V 60 Hz	LBP	Fan	2160	633	**2890**	**847**	**1.63**	**5.56**	5323	1560	28.0	Pd

R290 (*) HBP | HMBP

	COMPRESSOR MODEL	DANFOSS CODE (¤)		POWER	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)										WEIGHT	DESIGN
									+14°F (-10°C)		+20°F (-6.7°C)				+45°F (+7.2°C)					
											Cooling Capacity		COP	EER	Cooling Capacity		COP	EER		
			cm³	hp					Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	**Btu/h**	**W**	**W/W**	**Btu/Wh**	lbs	
	NLY45RRa	123B3516	4.56	1/6	CSIR	115-127V 60 Hz	HMBP	Fan	1317	386	**1,509**	**442**	**1.79**	**6.11**	**2511**	**736**	**2.41**	**8.22**	23.2	Lc
	NLY45RRb	123B3517	4.56	1/6	CSR	115-127V 60 Hz	HMBP	Fan	1317	386	**1,509**	**442**	**1.93**	**6.59**	**2511**	**736**	**2.61**	**8.91**	23.2	Lc
	NLY60RRa	123B3518	5.98	1/5	CSIR	115-127V 60 Hz	HMBP	Fan	1790	525	**2,043**	**599**	**1.88**	**6.40**	**3353**	**983**	**2.43**	**8.29**	23.8	Lc
	NLY60RRb	123B3519	5.98	1/5	CSR	115-127V 60 Hz	HMBP	Fan	1790	525	**2,043**	**599**	**2.02**	**6.90**	**3353**	**983**	**2.65**	**9.04**	23.8	Lc
	NLY75RRa	123B3520	7.57	1/4	CSIR	115-127V 60 Hz	HMBP	Fan	2147	629	**2,420**	**709**	**1.77**	**6.03**	**4214**	**1235**	**2.50**	**8.53**	22.1	Ld
	NLY75RRb	123B3521	7.57	1/4	CSR	115-127V 60 Hz	HMBP	Fan	2147	629	**2,478**	**726**	**1.95**	**6.66**	**4214**	**1235**	**2.77**	**9.45**	22.1	Ld
	NLY80RRa	123B3522	8.10	1/4	CSIR	115-127V 60 Hz	HMBP	Fan	2325	682	**2,668**	**782**	**1.86**	**6.34**	**4464**	**1308**	**2.45**	**8.36**	24.5	Ld
	NLY80RRb	123B3523	8.10	1/4	CSR	115-127V 60 Hz	HMBP	Fan	2325	682	**2,668**	**782**	**2.02**	**6.89**	**4464**	**1308**	**2.67**	**9.11**	24.5	Ld
	NLY90RRa	123B3524	9.09	1/3	CSIR	115-127V 60 Hz	HMBP	Fan	2623	769	**3,022**	**886**	**1.78**	**6.08**	**5036**	**1476**	**2.56**	**8.74**	25.1	Ld
	NLY90RRb	123B3525	9.09	1/3	CSR	115-127V 60 Hz	HMBP	Fan	2623	769	**3,022**	**886**	**1.92**	**6.56**	**5036**	**1476**	**2.76**	**9.42**	25.1	Ld
	NLY12RGa(**)	123B3307	10.70	1/2	CSIR	220-230V 60Hz	HMBP	Fan	3079	902	**3,515**	**1030**	**1.77**	**6.04**	**5770**	**1691**	**2.3**	**7.85**	24.5	Ld
	NLY12RGb(**)	123B3308	10.70	1/2	CSR	220-230V 60Hz	HMBP	Fan	3110	911	**3,557**	**1042**	**1.89**	**6.45**	**5870**	**1720**	**2.56**	**8.74**	24.5	Ld
	NLY12RRa(**)	123B3710	10.70	1/2	CSIR	115-127V 60 Hz	HBP	Fan	2997	878	**3442**	**1009**	**1.63**	**5.56**	**5754**	**1686**	**2.20**	**7.51**	22.7	Ld
	NLY12RRb(**)	123B3711	10.70	1/2	CSR	115-127V 60 Hz	HBP	Fan	2997	878	**3442**	**1009**	**1.80**	**6.14**	**5754**	**1686**	**2.42**	**8.26**	22.7	Ld

Green Cooling Models
(*) Or HFO-1234yf
(**) Model under development
(¤) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R22 (*) HBP | HMBP

	COMPRESSOR MODEL	DANFOSS CODE (¤)	POWER		MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)								WEIGHT	DESIGN
									+14°F (-10°C)		+20°F (-6.7°C)			+45°F (+7.2°C)				
											Cooling Capacity		COP	EER	Cooling Capacity		COP	EER		
			cm³	hp					Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	**Btu/h**	**W**	**W/W**	**Btu/Wh**	lbs	
	L40TN	123B5522	4.05	1/6	CSIR	230V 60 Hz	HMBP	Fan	1074	315	**1430**	**419**	**1.84**	**6.27**	**2191**	**642**	**1.89**	**6.44**	20.9	Lc
	L45TN	123B5501	4.50	1/5	CSIR	230V 60 Hz	HMBP	Fan	1214	356	**2476**	**726**	**1.91**	**6.52**	**2477**	**726**	**1.91**	**6.52**	20.9	Lc
	L57TN	123B5503	5.68	1/5	CSIR	230V 60 Hz	HMBP	Fan	1470	431	**2476**	**726**	**1.91**	**6.52**	**2999**	**879**	**1.91**	**6.53**	20.9	Lc
	L76TN	123B5506	7.57	3/8	CSIR	115-127V 60 Hz	HMBP	Fan	1952	572	**4000**	**1172**	**2.02**	**6.89**	**4002**	**1173**	**2.02**	**6.91**	22.5	Ld
	L76TN	123B5506	7.57	3/8	CSIR	230V 60 Hz	HMBP	Fan	1952	572	**4000**	**1172**	**2.02**	**6.89**	**4002**	**1173**	**2.02**	**6.91**	22.1	Ld
	L88TN	123B5508	8.86	3/8	CSIR	115-127V 60 Hz	HMBP	Fan	2333	684	**4666**	**1367**	**1.9**	**6.48**	**4668**	**1368**	**1.90**	**6.48**	23.4	Ld
	L88TN	123B5508	8.86	3/8	CSIR	230V 60 Hz	HMBP	Fan	2333	684	**4666**	**1367**	**1.9**	**6.48**	**4668**	**1368**	**1.90**	**6.49**	23.4	Ld
	P12TN	123B5510	12.05	1/2	CSR	230V 60 Hz	HMBP	Fan	3048	893	**6301**	**1847**	**2.2**	**7.51**	**6305**	**1848**	**2.23**	**7.60**	26.5	Pd
	P12TN	123B5519	12.05	1/2	CSR	115-127V 60 Hz	HBP	Fan	3048	893	**6301**	**1847**	**2.23**	**7.61**	**6305**	**1848**	**2.20**	**7.51**	27.1	Pd
	X16TN	123B5711	16.03	5/8	CSR	230V 60 Hz	HBP	Fan	4294	1258	**8246**	**2417**	**2.25**	**7.68**	**8250**	**2418**	**2.25**	**7.67**	39.2	Xd
	X18TN	123B5712	18.40	3/4	CSR	230V 60 Hz	HBP	Fan	4992	1463	**9603**	**2814**	**2.41**	**8.22**	**9607**	**2816**	**2.41**	**8.21**	39.2	Xd
	S18TN	123B5513	18.10	3/4	CSR	230V 60 Hz	HMBP	Fan	4607	1350	**9761**	**2861**	**2.29**	**7.81**	**9769**	**2863**	**2.29**	**7.81**	48.1	Sc
	S26TN	123B5516	25.93	1	CSR	230V 60 Hz	HMBP	Fan	6905	2024	**14523**	**4256**	**2.36**	**8.05**	**14534**	**4259**	**2.36**	**8.06**	50.0	Sd

R134a HMBP • 50 | 60Hz

	COMPRESSOR MODEL	DANFOSS CODE (¤)	DISPLACEMENT		MOTOR TYPE	VOLTAGE FREQUENCY (****)	APPLICATION	COMPRESSOR COOLING	SPEED	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C)								WEIGHT	DESIGN
										+14°F (-10°C)		+32°F (0°C)		+45°F (+7.2°C)					
														Cooling Capacity		COP	EER		
			cu.in.	cm³					rpm	Btu/h	W	Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	lbs	
									1800	1009	296	1639	480	**2218**	**650**	**2.92**	**9.96**		
		123B1991				220-240V 50/60Hz			2100	1187	348	1916	561	**2576**	**755**	**2.98**	**10.17**		
	GLT99FSN		0.607	9.95	ECM		HMBP	F	2400	1350	396	2169	636	**2904**	**851**	**2.92**	**9.96**	24.69	Lc
		123B1992				100-127V 50/60Hz			3000	1662	487	2652	777	**3538**	**1037**	**2.77**	**9.45**		
									3600	1920	563	3119	914	**4214**	**1235**	**2.62**	**8.94**		

(**) Model under development
(¤) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R134a LBP | MBP | HBP — Mobile Compressors

COMPRESSOR MODEL	DANFOSS CODE (¤)	DISPLACEMENT cu.in.	DISPLACEMENT cm³	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	SPEED	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C) -13°F (-25°C)		-10°F (-23.3°C) Cooling Capacity	-10°F (-23.3°C) COP	-10°F (-23.3°C) EER	+14°F (-10°C)		WEIGHT	DESIGN
								rpm	Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	Btu/h	W	lbs	
GD30FDC 12-42V	123B1901	0.183	3.00	ECM	12-24-42V DC	LBP MBP HBP	S / F	1500	99	29	**111**	**32**	**1.24**	**4.23**	237	70	11.90	Db
								2000	142	42	**158**	**46**	**1.28**	**4.37**	344	101		
								2500	178	52	**198**	**58**	**1.26**	**4.30**	435	128		
								3000	206	60	**230**	**67**	**1.24**	**4.23**	511	150		
								3500	226	66	**253**	**74**	**1.22**	**4.16**	570	167		
GD30FDC Dual (**)	123B1902	0.183	3.00	ECM	12-24-42V DC 100-240V 50/60Hz	LBP MBP HBP	S / F	1500	99	29	**111**	**32**	**1.24**	**4.23**	237	70	11.90	Db
								2000	142	42	**158**	**46**	**1.28**	**4.37**	344	101		
								2500	178	52	**198**	**58**	**1.26**	**4.30**	435	128		
								3000	206	60	**230**	**67**	**1.24**	**4.23**	511	150		
								3500	226	66	**253**	**74**	**1.22**	**4.16**	570	167		
GD30FDC 48-56V (**)	123B1904	0.183	3.00	ECM	48-56V DC	LBP MBP HBP	S / F	1500	99	29	**111**	**32**	**1.24**	**4.23**	237	70	11.90	Db
								2000	142	42	**158**	**46**	**1.28**	**4.37**	344	101		
								2500	178	52	**198**	**58**	**1.26**	**4.30**	435	128		
								3000	206	60	**230**	**67**	**1.24**	**4.23**	511	150		
								3500	226	66	**253**	**74**	**1.22**	**4.16**	570	167		

R134a LBP | MBP | HBP — Mobile Compressors

COMPRESSOR MODEL	DANFOSS CODE (¤)	DISPLACEMENT cu.in.	DISPLACEMENT cm³	MOTOR TYPE	VOLTAGE FREQUENCY	APPLICATION	COMPRESSOR COOLING	SPEED	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C) +14°F (-10°C)		+32°F (0°C)		+45°F (+7.2°C) Cooling Capacity	+45°F (+7.2°C) COP	+45°F (+7.2°C) EER	WEIGHT	DESIGN
								rpm	Btu/h	W	Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	lbs	
GLT80TDC 24-42V	123B1902	0.494	8.10	ECM	24-42V DC	HMBP	F	1500	669	196	1082	317	**1461**	**428**	**2.19**	**7.47**	18.52	Lc
								2000	902	264	1457	427	**1967**	**577**	**2,34**	**7.98**		
								2500	1128	331	1809	530	**2426**	**711**	**2.26**	**7.71**		
								3000	1350	396	2153	631	**2870**	**841**	**2.17**	**7.40**		
								3500	1552	455	2474	725	**3301**	**967**	**2.07**	**7.06**		

(**) Model under development
(¤) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R290 HMBP • 50 | 60 Hz

Variable Speed Compressors

COMPRESSOR MODEL	DANFOSS CODE (¤)	DISPLACEMENT cu.in.	DISPLACEMENT cm³	MOTOR TYPE	VOLTAGE FREQUENCY (****)	APPLICATION	COMPRESSOR COOLING	SPEED	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C) +14°F (-10°C)		+32°F (0°C)		+45°F (+7.2°C) Cooling Capacity		COP	EER	WEIGHT	DESIGN
								rpm	Btu/h	W	Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	lbs	
								1800	858	251	1570	460	**1844**	**541**	**3.08**	**10.51**		
	123B3991				220-240V 50/60Hz			2100	1014	297	1843	540	**2157**	**632**	**3.12**	**10.65**		
NLT60FSN		0.365	5.98	ECM		HMBP	F	2400	1162	341	2100	615	**2450**	**718**	**3.07**	**10.48**	26.68	Lc
	123B3992				100-127V 50/60Hz			3000	1459	428	2621	768	**3048**	**893**	**2.94**	**10.03**		
								3600	1698	498	3098	908	**3641**	**1067**	**2.85**	**9.72**		

R290 LBP • 50 | 60 Hz

Variable Speed Compressors

COMPRESSOR MODEL	DANFOSS CODE (¤)	DISPLACEMENT cu.in.	DISPLACEMENT cm³	MOTOR TYPE	VOLTAGE FREQUENCY (****)	APPLICATION	COMPRESSOR COOLING	SPEED	REFRIGERATION CAPACITY ASHRAE conditions Condensing temperature = 131°F (55°C) -13°F (-25°C)		-10°F (-23.3°C) Cooling Capacity		COP	EER	+14°F (-10°C)		WEIGHT	DESIGN
								rpm	Btu/h	W	**Btu/h**	**W**	**W/W**	**Btu/Wh**	Btu/h	W	lbs	
								1800	1088	319	**1187**	**348**	**1,52**	**5.19**	2205	646		
	123B3993				220-240V 50/60Hz			2100	1276	374	**1393**	**408**	**1,65**	**5.63**	2586	758		
NPT12FSC		0.738	12.10	ECM		LBP	F	2400	1472	432	**1603**	**470**	**1,63**	**5.56**	2878	843	26.68	Pc
	123B3994				100-127V 50/60Hz			3000	1773	520	**1920**	**563**	**1,60**	**5.46**	3309	970		
								3600	2137	626	**2315**	**679**	**1,57**	**5.36**	3978	1166		

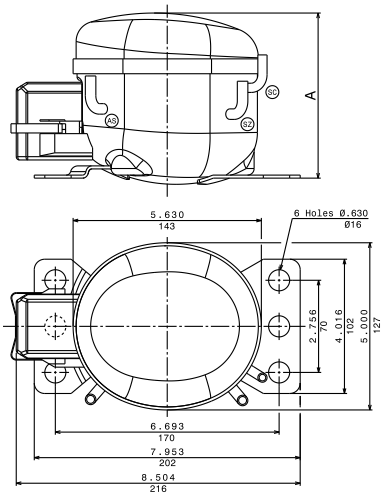
(**) Model under development
(¤) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

	Conditions ASHRAE		
	LBP	MBP	HBP
Evaporating temperature °C / °F	-23,3 / 14	-6,7 / 20	7,2 / 45
Condensing temperature °C / °F	55 / 131	55 / 131	55 / 131
Liquid temperature °C / °F	32 / 90	46 / 115	46 / 115
Suction temperature °C / °F	32 / 90	35 / 90	35 / 95
Ambient temperature °C / °F	32 / 90	35 / 90	35 / 95

Technical Information

Compressor Dimensional Drawings

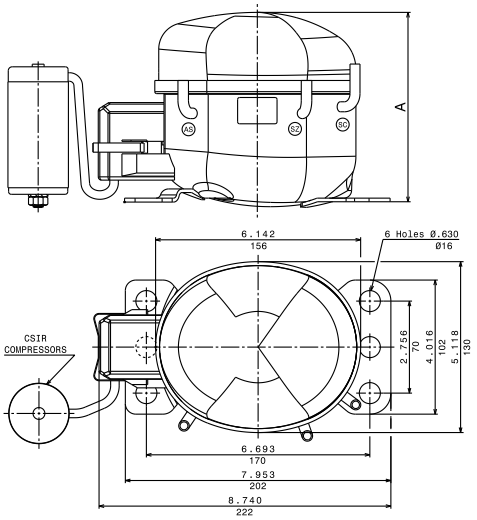
Small L range



	A	
Lb	4.941	in
	125.5	mm
Lc	5.079	in
	129	mm
Ld	5.433	in
	138	mm
Le	5.551	in
	141	mm

LEGEND	
AS	Suction/Service
SC	Discharge
SZ	Service/Suction

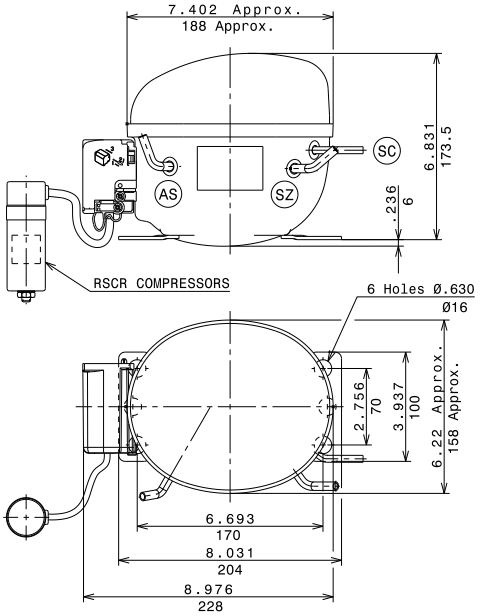
B range



	A	
Bb	5.551	in
	141	mm
Bc	5.709	in
	145	mm
Bd	6.024	in
	153	mm
Be	6.260	in
	159	mm

LEGEND	
AS	Suction/Service
SC	Discharge
SZ	Service/Suction

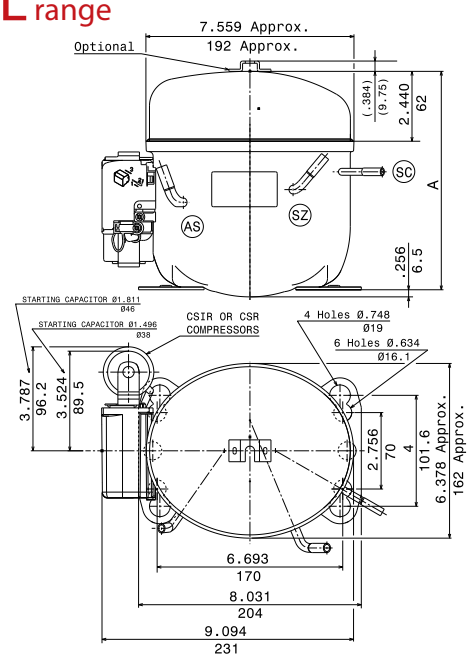
U range



	A	
Ub	6.831	in
	173.5	mm
Uc	69.488	in
	176.5	mm

LEGEND	
AS	Suction/Service
SC	Discharge
SZ	Service/Suction

L range

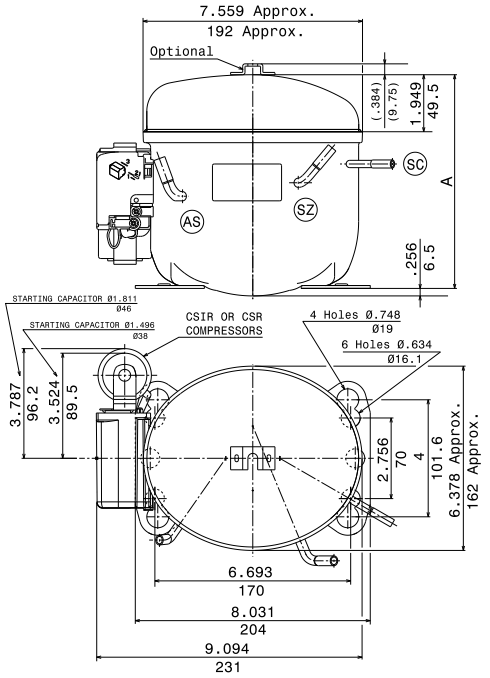


	A	
Lb	6.890	in
	175	mm
Lc	7.307	in
	185.600	mm
Ld	7.795	in
	198	mm

LEGEND	
AS	Suction/Service
SC	Discharge
SZ	Service/Suction

Dimensions = inches / millimeters

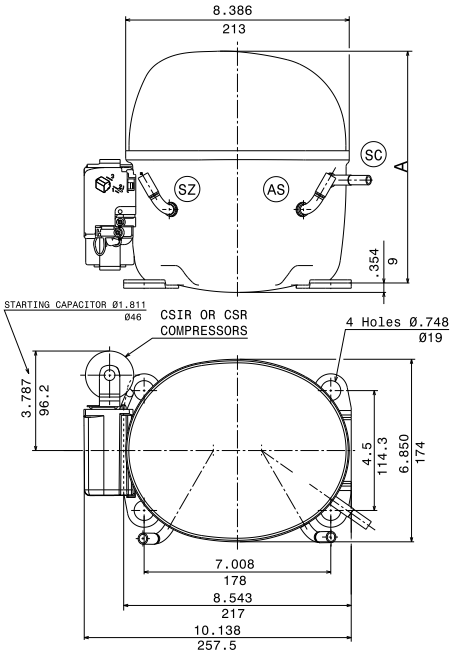
P range



	A	
Pc	7.799	in
	198.1	mm
Pd	8.287	in
	210.5	mm

LEGEND	
AS	Suction/Service
SC	Discharge
SZ	Service/Suction

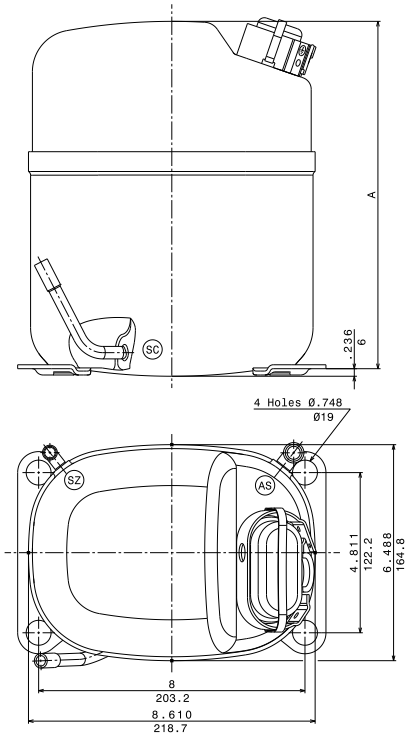
X range



	A	
Xc	8.465	in
	215	mm
Xd	8.701	in
	221	mm

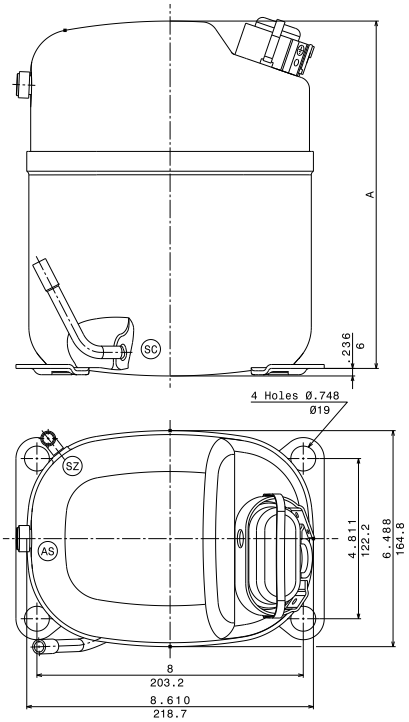
LEGEND	
AS	Suction/Service
SC	Discharge
SZ	Service/Suction

S range (Tube)



Dimensions = inches / millimeters

S range (Valve)



	A	
Sb	9.921	in
	252	mm
Sc	10.433	in
	265	mm
Sd	10.866	in
	276	mm

LEGEND	
AS	Suction/Service
SC	Discharge
SZ	Service/Suction

Packaging

Single Pack

Range		Box dimensions						Pallet dimensions			
		Length		Width		Height		Length		Width	
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
Compressors	Small L	257	10.12	172	6.77	141/151	5.55/5.94	1010	39.76	1010	39.76
	B	257	10.12	172	6.77	151/166	5.94/6.54	1010	39.76	1010	39.76
	U	300	11.81	192	7.56	167/185	6.57/7.28	1200	47.24	1050	41.34
	L & P	300	11.81	192	7.56	167/185/198/214	6.57/7.28/7.80/8.43	1200	47.24	1050	41.34
	X & P (w/ connecting box)	320	12.60	192	7.56	222	8.74	1050	41.34	1050	41.34
	X	347	13.66	207	8.15	230	9.06	1050	41.34	1050	41.34
	S	282	11.10	215	8.46	363	14.29	1010	39.76	1010	39.76

Industrial Pack

Range		Tray dimensions				Pallet dimensions			
		Length		Width		Length		Width	
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
Compressors	Small L	1100	43.31	815	32.09	1135	44.69	830	32.68
	B	1101	43.35	816	32.13	1136	44.72	831	32.72
	U (TIR)	1120	44.09	810	31.89	1200	47.24	800	31.50
	U (Container)	1120	44.09	810	31.89	1120	44.09	800	31.50
	L & P	1060	41.73	990	38.98	1050	41.34	1050	41.34
	X	1050	41.34	1020	40.16	1050	41.34	1050	41.34
	S	1050	41.34	1050	41.34	1050	41.34	1050	41.34

Quantities per Pallet

Range	Industrial Pack			Single Pack		
	Qty / Level	Nº Levels	Qty / Pallet	Qty / Level	No. Levels	Qty / Pallet
Small L	25	6	150	24	5	120
B	25	5	125	24	5	120
U	18	5	90	20	5	100
L	24	5	120	20	5	100
P	24	5	120	20	5	100
P w/ connecting Box	24	5	120	16	4	64
X	17	4	68	16	4	64
X w/ connecting Box	17	4	68	15	4	60
S	24	2	48	16	3	48

Fixings

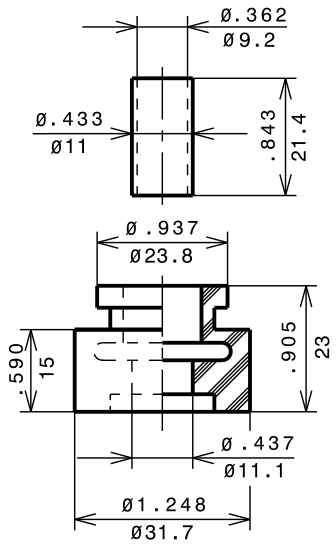
Fixings allow the manufacturer of appliances to fix the compressor to the appliance base, connecting it to the cooling system.

Mounting feet

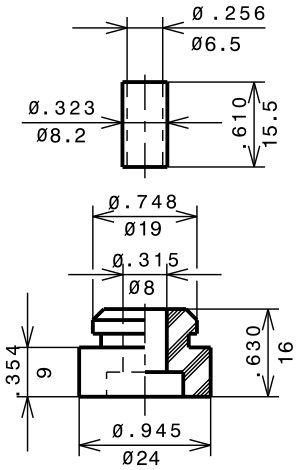
Range	Mounting feet	
Small L & B	European type. Set of 4 holes of 16mm DIA with inter-axes: 70x170mm	
U	European type. Set of 4 holes of 16mm DIA with inter-axes: 70x170mm	
L / P	European type Set of 4 holes of 16 mm DIA with inter-axes: 70 x 170 mm	American type Two sets of 4 holes: 1.- Set of 16 mm DIA with inter-axes: 70 x 170 mm 2.- Set of ¾ inch (19 mm) DIA with inter-axes: 4 x 61/2 inch (101.6 x 165 mm)
X	One set of 4 holes of 19 mm (¾ inch) DIA with inter-axes: 114.3 x178 mm (41/2 x 7 inch)	
S	One set of 4 holes of 19 mm (¾ inch) DIA with inter-axes: 122.2 x 200.2 mm (413/16 x 7 7/8 inch)	

Silent Blocks

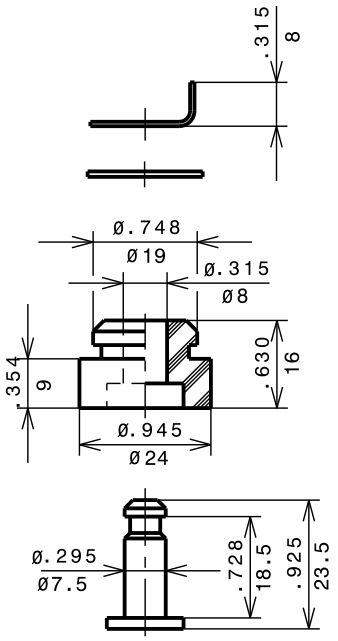
STANDARD



AMERICAN FEET

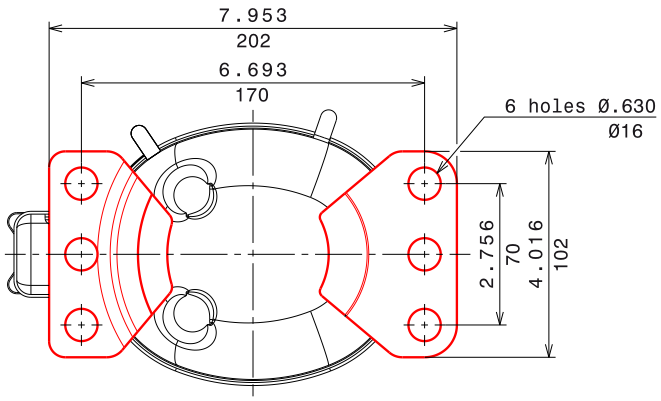


SNAP-ON

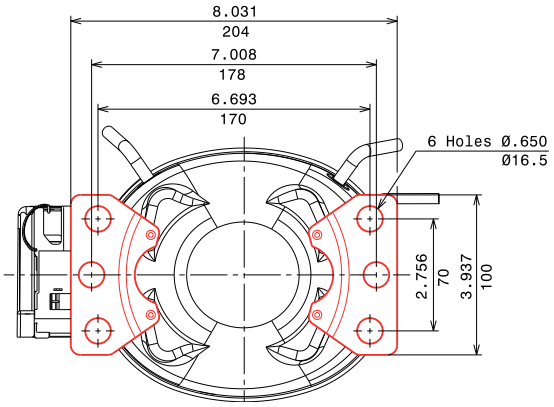


Dimensions = inches / millimeters

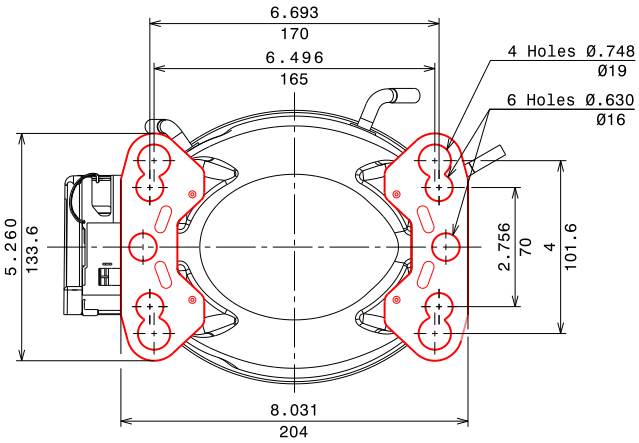
Small L & B Range



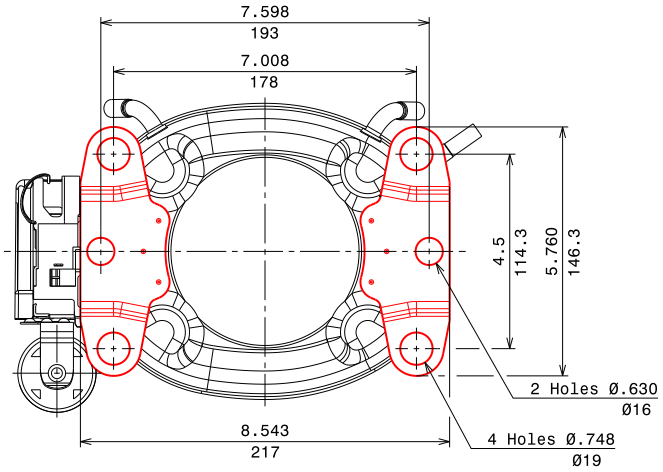
U Range



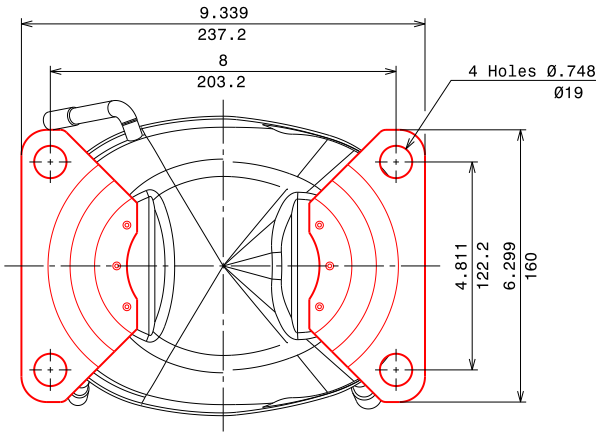
L / P Range



X Range



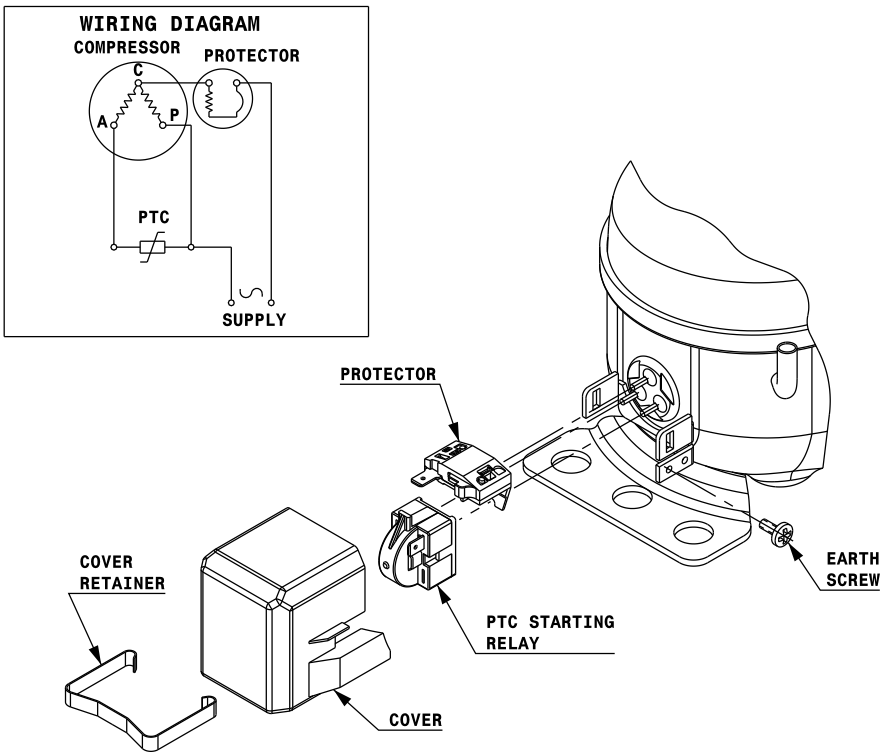
S Range



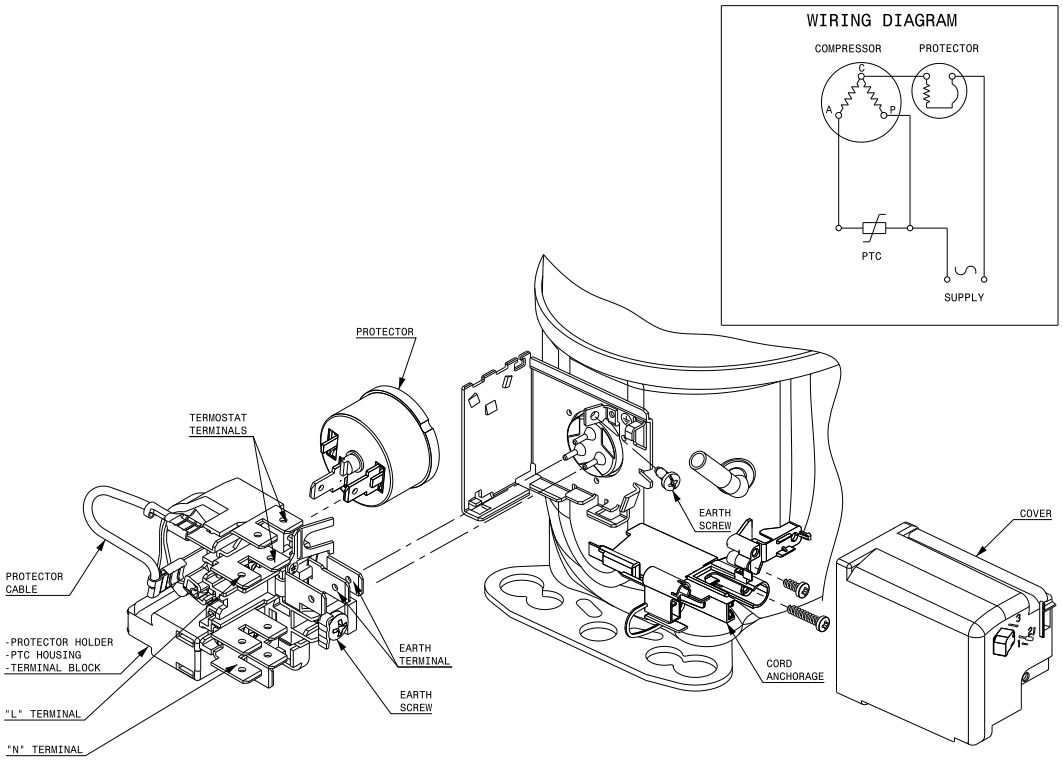
Dimensions = inches / millimeters

Wiring Diagrams and Electrical Assembly

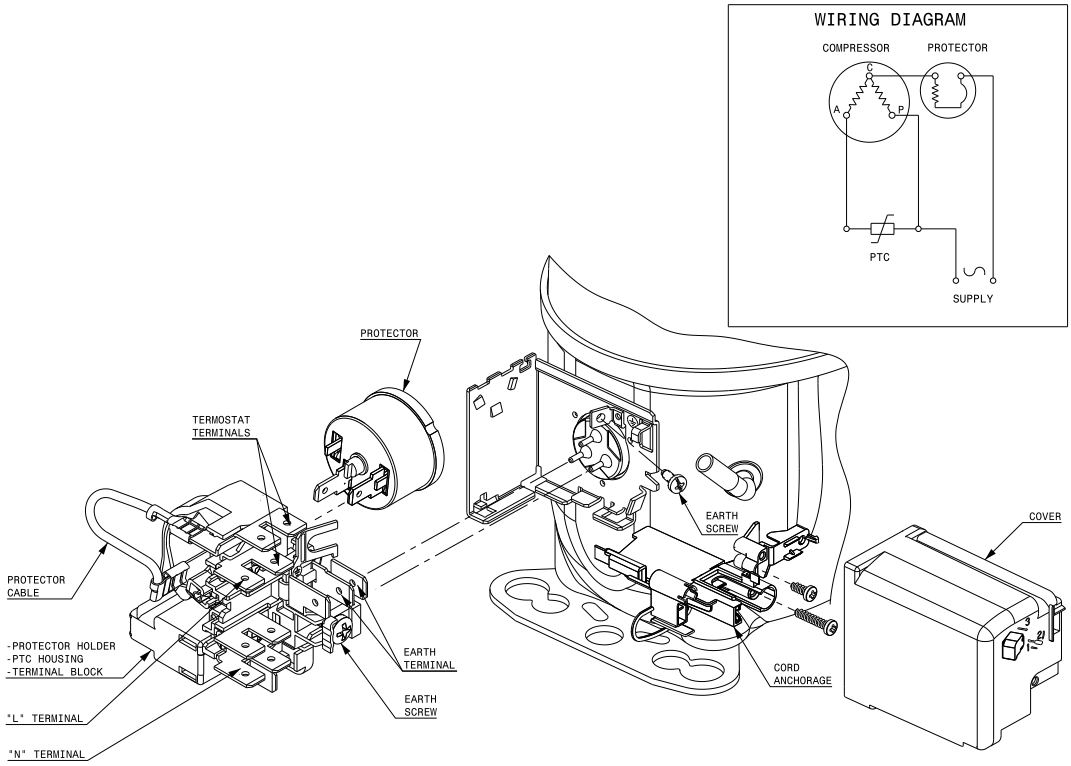
RSIR CONNECTION (PTC) Small L & B



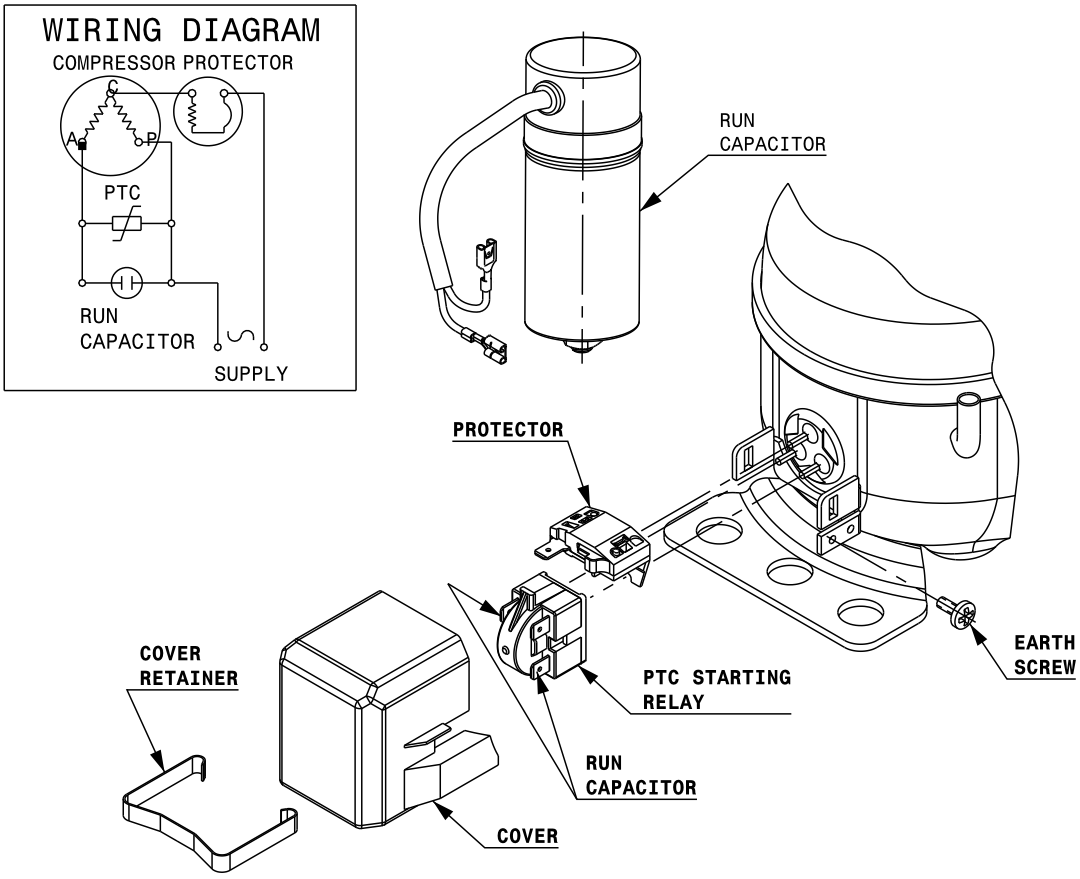
RSIR CONNECTION (PTC)



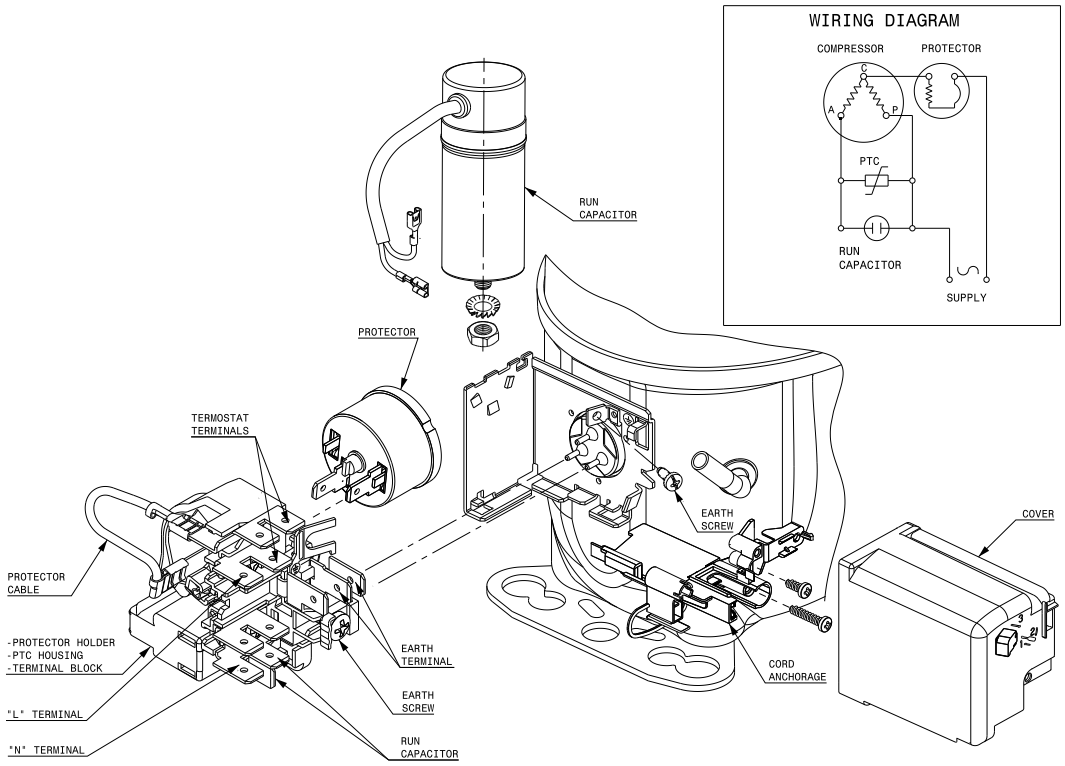
RSIR CONNECTION (RELAY)



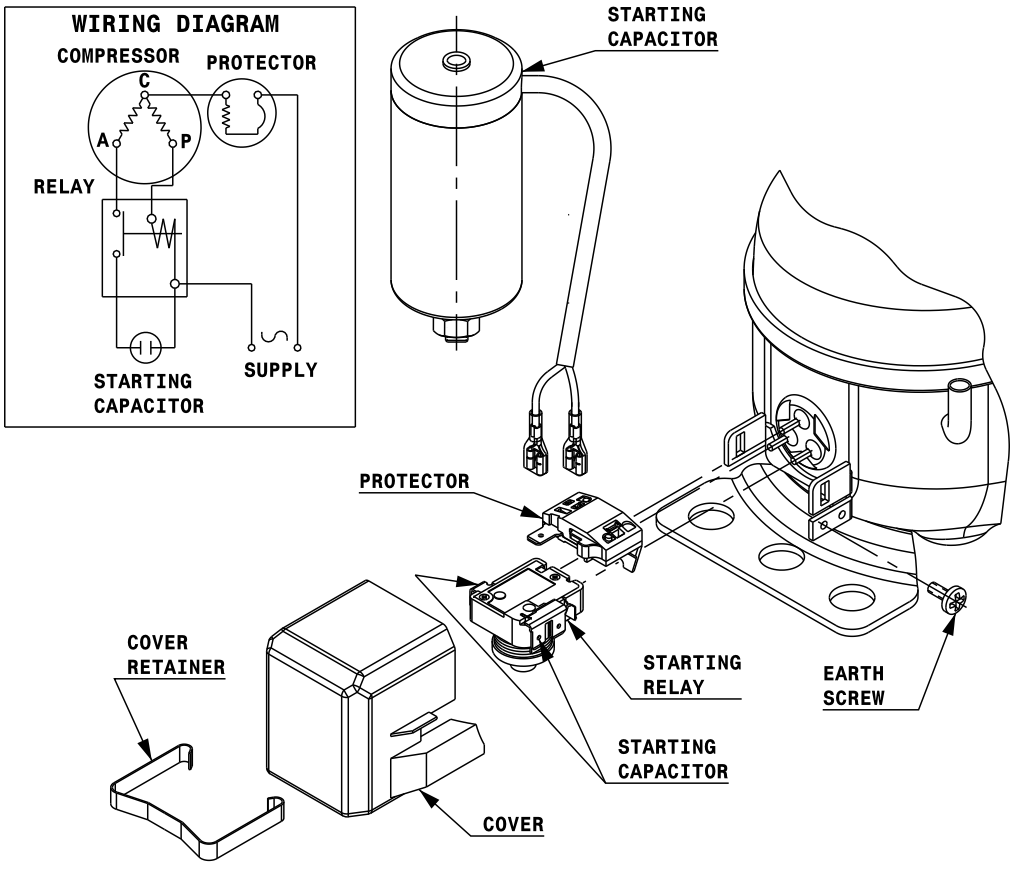
RSCR CONNECTION (PTC) Small L & B



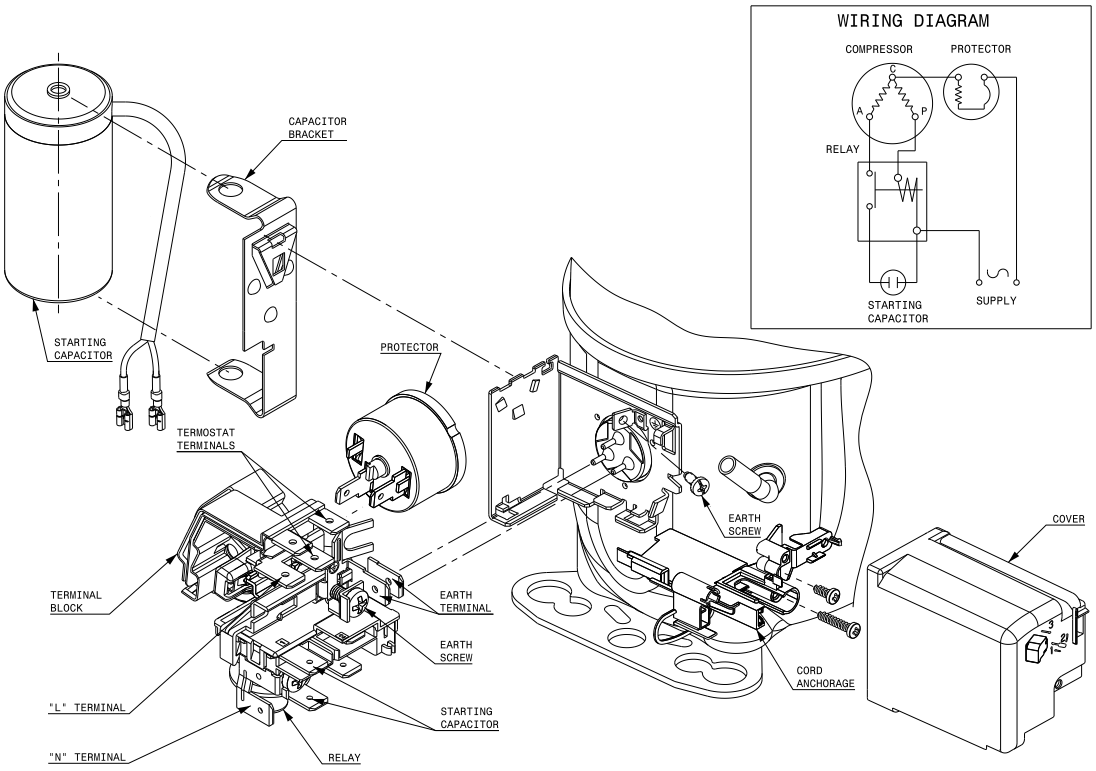
RSCR CONNECTION



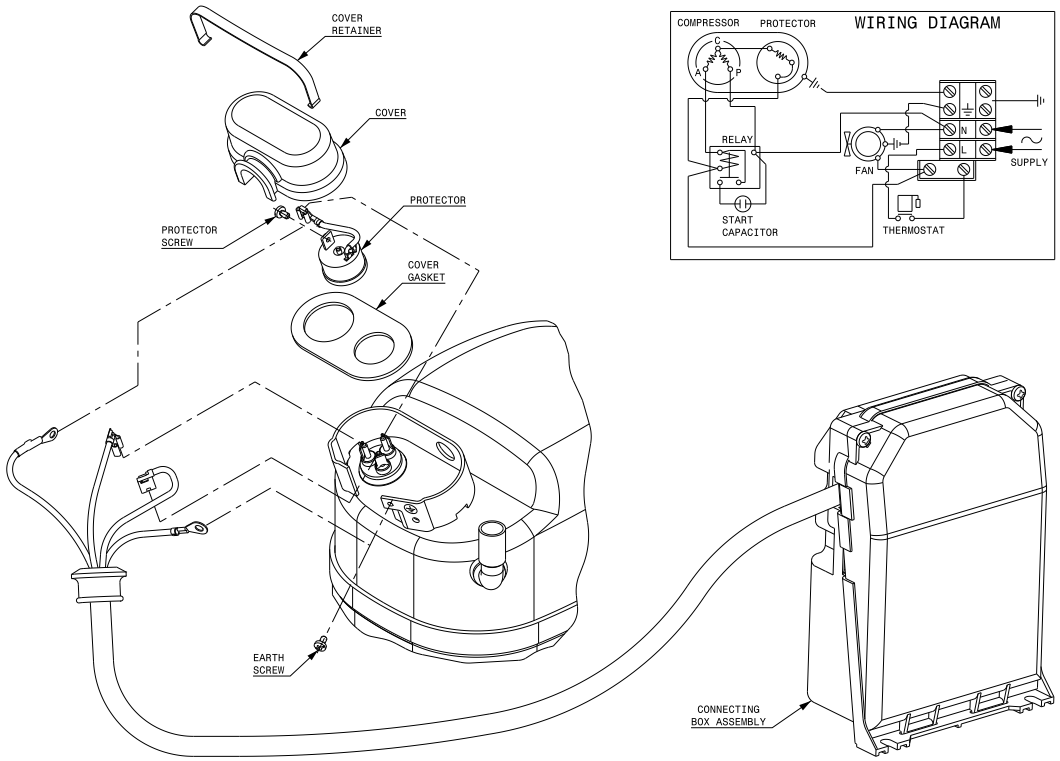
CSIR CONNECTION Small L & B



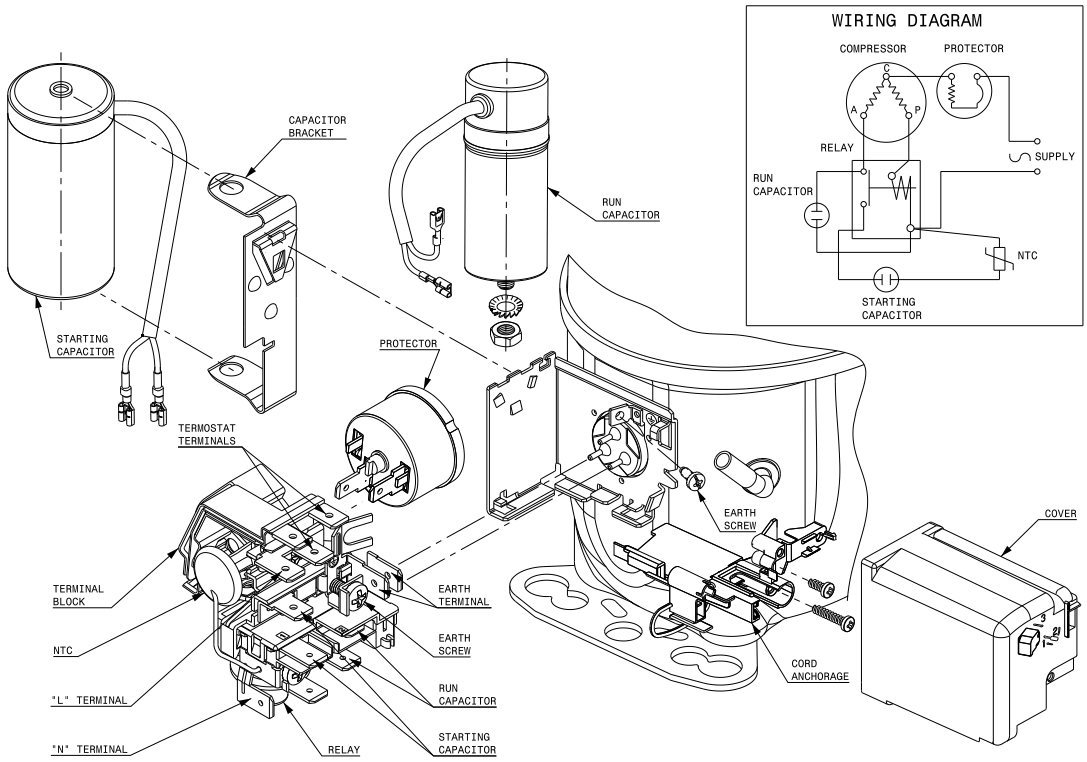
CSIR CONNECTION



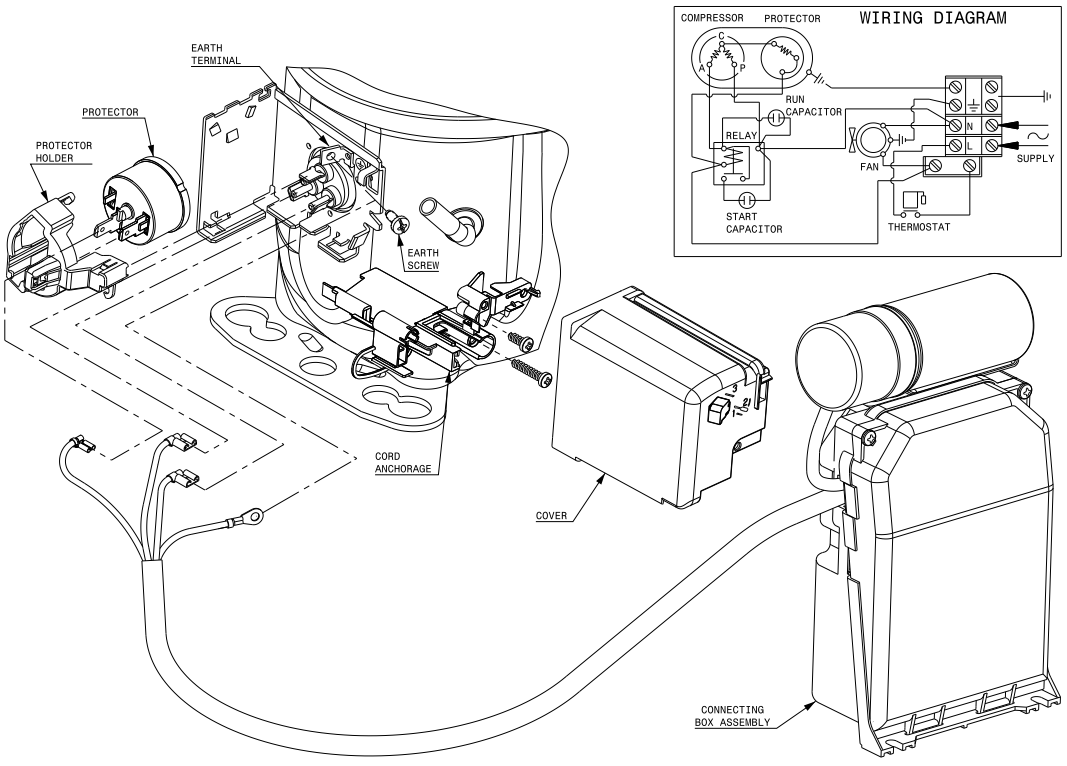
CSIR CONNECTION (EXTERNAL CONNECTING BOX) (S range)



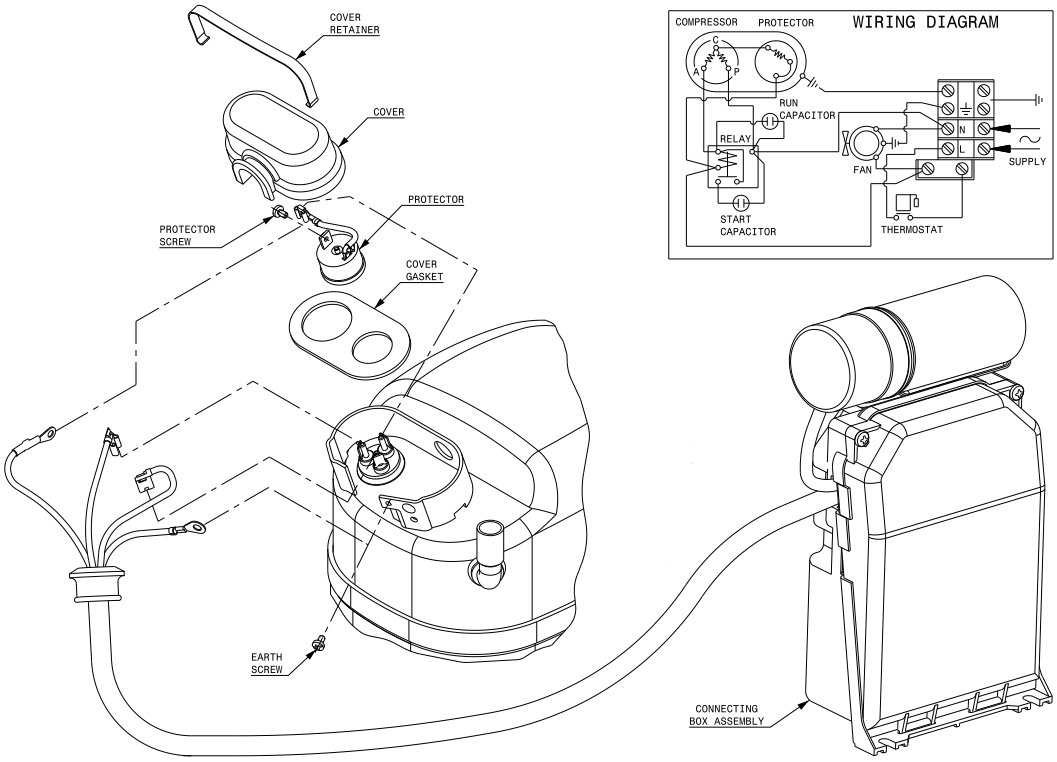
CSR CONNECTION (CURRENT RELAY + NTC)



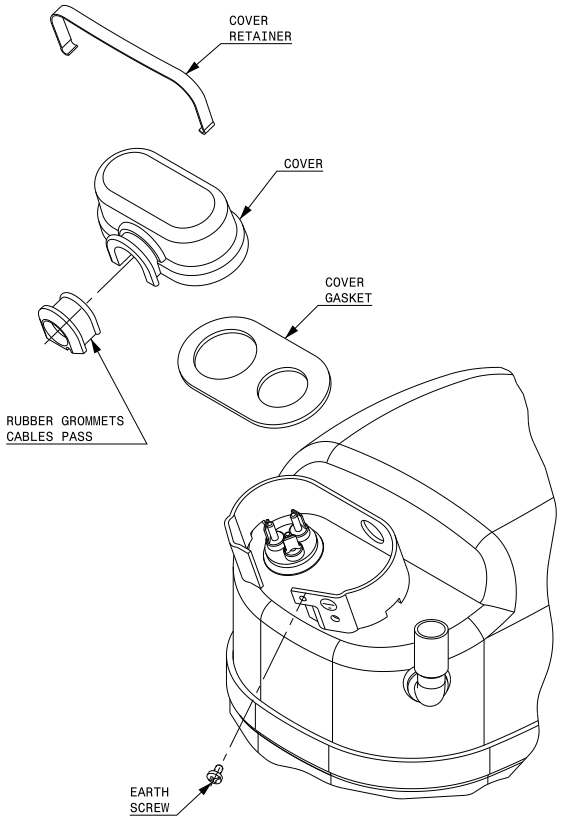
CSR CONNECTION (EXTERNAL CONNECTING BOX) (P, X ranges)

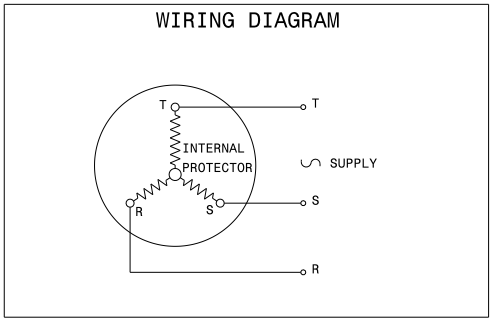


CSR CONNECTION (EXTERNAL CONNECTING BOX) (S range)



3PH CONNECTION (S range)





Spare parts list

Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
GL45ANa	123B1113	RSIR PTC	200-240V 50Hz & 220-230V 60Hz	123B9418	123B9101	-	-
GL60ANa	123B1118	RSIR PTC	200-240V 50Hz & 220-230V 60Hz	123B9450	123B9101	-	-
GL60ANb	123B1119	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9404	123B9112	123B9311	-
GL60ANc	123B1120	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9451	123B9112	123B9311	-
GL80ANa	123B1125	RSIR PTC	200-220V 50Hz & 220-230V 60Hz	123B9459	123B9101	-	-
GL80ANb	123B1126	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9464	123B9108	123B9315	-
GL80ANc	123B1127	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9425	123B9108	123B9315	-
GL90ANa	123B1132	RSIR PTC	200-220V 50Hz & 220-230V 60Hz	123B9474	123B9101	-	-
GL90ANb	123B1133	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9425	123B9110	123B9315	-
GL90ANc	123B1134	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9475	123B9110	123B9315	-
GP14CG	123B1142	RSIR Relay	200-220V 50Hz & 230V 60Hz	123B9464	123B9115	-	-
GP14FC	123B1144	CSIR Relay	100V 50/60Hz	123B9494	123B9134	123B9314	-
GP16FC	123B1149	CSIR Relay	100V 50/60Hz	123B9494	123B9134	123B9314	-
GL45ADa	123B1153	RSIR PTC	115V 60Hz	123B9405	123B9102	-	-
GL45ADb	123B1154	CSIR Relay	115V 60Hz	123B9405	123B9108	123B9309	-
GL60ADa	123B1155	RSIR PTC	115V 60Hz	123B9433	123B9102	-	-
GL60ADb	123B1156	CSIR Relay	115V 60Hz	123B9425	123B9116	123B9309	-
GL80ADa	123B1157	RSIR PTC	115V 60Hz	123B9432	123B9102	-	-
GL80ADb	123B1158	CSIR Relay	115V 60Hz	123B9462	123B9118	123B9318	-
GL90ADa	123B1159	RSIR PTC	115V 60Hz	123B9471	123B9102	-	-
GL90ADb	123B1160	CSIR Relay	115V 60Hz	123B9472	123B9122	123B9318	-
GL99ADa	123B1161	RSIR PTC	115V 60Hz	123B9471	123B9102	-	-
GL99ADb	123B1162	CSIR Relay	115V 60Hz	123B9471	123B9122	123B9318	-
GP14FE	123B1163	CSIR Relay	115V 60Hz	123B9494	123B9134	123B9314	-
GP16FE	123B1164	CSIR Relay	115V 60Hz	123B9494	123B9134	123B9314	-
GUY80NRb	123B1303	CSIR Relay	115-127V 60Hz	123B9498	123B9118	123B9309	
GLY12NRa	123B1304	CSIR Relay	115-127V 60Hz	123B9491	123B9122	123B9314	
GLY12NRb	123B1305	CSR Relay + NTC	115-127V 60Hz	123B9491	123B9124	123B9314	
GUY70NRb	123B1307	CSIR Relay	115-127V 60Hz	123B9499	123B9118	123B9320	
GUY70NRc	123B1309	CSIR Relay	115-127V 60Hz	123B9497	123B9118	123B9320	
GUY80NRc	123B1310	CSIR Relay	115-127V 60Hz	123B9497	123B9118	123B9309	
GPY14NDa	123B1311	CSIR Relay	115V 60Hz	123B9494	123B9138	123B9320	-
GPY14NDb	123B1312	CSR Relay + NTC	115V 60Hz	123B9494	123B9143	123B9320	123B9229
GL45TG	123B1517	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9439	123B9112	123B9311	-
GL60TG	123B1522	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9457	123B9107	123B9311	-
GL60TC	123B1523	CSIR Relay	100V 50/60Hz	123B9455	123B9118	123B9309	-
GL80TG	123B1528	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9470	123B9119	123B9312	-
GL80TC	123B1529	CSIR Relay	100V 50/60Hz	123B9469	123B9122	123B9318	-
GL90TG	123B1534	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9435	123B9109	123B9312	-
GL90TC	123B1535	CSIR Relay	100V 50/60Hz	123B9478	123B9122	123B9318	-
GP14TG	123B1539	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9497	123B9136	123B9312	-
GX18TG	123B1545	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9489	123B9129	123B9315	-
GX23TG	123B1548	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9494	123B9134	123B9316	-
GS26TG	123B1550	CSIR Box Size S	200-220V 50Hz & 220-230V 60Hz	123B9507	123B9146	123B9304	-
GS30TG	123B1553	CSR Box Size S	200-220V 50Hz & 220-230V 60Hz	123B9507	123B9147	123B9304	123B9205
GL45PE	123B1568	RSIR Relay	115V 60Hz	123B9445	123B9115	-	-
GL45TE	123B1569	CSIR Relay	115V 60Hz	123B9445	123B9116	123B9309	-
GL60PE	123B1570	RSIR Relay	115V 60Hz	123B9456	123B9168	-	-
GL60TE	123B1571	CSIR Relay	115V 60Hz	123B9456	123B9118	123B9309	-
GLY80RDa	123B1572	CSIR Relay	115V 60Hz	123B9472	123B9122	123B9313	-
GLY80RDb	123B1573	CSR Relay + NTC	115V 60Hz	123B9489	123B9124	123B9313	123B9216
GL80PE	123B1574	RSIR Relay	115V 60Hz	123B9467	123B9121	-	-
GL80TE	123B1575	CSIR Relay	115V 60Hz	123B9467	123B9122	123B9318	-

Danfoss Light Commercial Refrigeration Compressors

Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
GLY90RDa	123B1576	CSIR Relay	115V 60Hz	123B9491	123B9129	123B9313	-
GLY90RDb	123B1577	CSR Relay + NTC	115V 60Hz	123B9472	123B9130	123B9313	123B9216
GL90PE	123B1578	RSIR Relay	115V 60Hz	123B9469	123B9121	-	-
GL90TE	123B1579	CSIR Relay	115V 60Hz	123B9469	123B9122	123B9318	-
GPY12RDa	123B1580	CSIR Relay	115V 60Hz	123B9494	123B9134	123B9314	-
GPY12RDb	123B1581	CSR Relay + NTC	115V 60Hz	123B9491	123B9141	123B9314	123B9216
GP12PE	123B1582	RSIR Relay	115V 60Hz	123B9494	123B9132	-	-
GP12TE	123B1583	CSIR Relay	115V 60Hz	123B9494	123B9134	123B9318	-
GPY14RDa	123B1584	CSIR Relay	115-127V 60Hz	123B9496	123B9138	123B9314	-
GPY14RDb	123B1585	CSR Relay + NTC	115-127V 60Hz	123B9496	123B9143	123B9314	123B9217
GP14PE	123B1586	RSIR Relay	115V 60Hz	123B9496	123B9132	-	-
GP14TE	123B1587	CSIR Relay	115V 60Hz	123B9496	123B9134	123B9318	-
GPY16RDa	123B1588	CSIR Relay	115-127V 60Hz	123B9496	123B9138	123B9314	-
GPY16RDb	123B1589	CSR Relay + NTC	115-127V 60Hz	123B9496	123B9143	123B9314	123B9217
GS34TF	123B1590	CSR Box Size S	220-230V 60Hz	123B9509	123B9147	123B9304	123B9205
GP12TG	123B1594	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9495	123B9116	123B9312	-
GLY12RRb	123B1599	CSR Relay + NTC	115-127V 60Hz	123B9491	123B9141	123B9318	123B9216
GLY12RRa	123B1601	CSIR Relay	115-127V 60Hz	123B9491	123B9134	123B9318	
GS34TG	123B1602	CSR Box Size S	200-220V 50Hz & 220-230V 60Hz	123B9507	123B9147	123B9304	123B9205
GL45MG	123B1704	CSIR Relay	230V 50/60Hz	123B9444	123B9112	123B9311	-
GL60MG	123B1705	CSIR Relay	230V 50/60Hz	123B9402	123B9107	123B9311	-
GL80MG	123B1706	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9425	123B9119	123B9312	-
GL90MG	123B1707	CSIR Relay	230V 50/60Hz	123B9477	123B9109	123B9312	-
GLY12RGa	123B1710	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9502	123B9110	123B9312	-
GLY12RGb	123B1711	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9502	123B9169	123B9312	123B9212
GP16TG	123B1714	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9482	123B9118	123B9316	-
GPT16RG	123B1715	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9498	123B9139	123B9316	123B9225
GP16TE	123B1718	CSIR Relay	115V 60Hz	123B9496	123B9137	123B9318	-
GP12YG	123B1802	CSIR Relay	230V 50/60Hz	123B9472	123B9136	123B9312	-
GP16YGb	123B1805	CSR Relay + NTC	230V 50/60Hz	123B9494	123B9139	123B9312	123B9222
ML45FG	123B2104	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9439	123B9107	123B9311	-
ML60FG	123B2108	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9466	123B9119	123B9311	-
ML80FG	123B2112	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9502	123B9136	123B9312	-
ML90FG	123B2116	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9502	123B9136	123B9312	-
MLY12LGa	123B2121	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9498	123B9122	123B9321	
MLY12LGb	123B2122	CSR Relay + NTC	200-220V 50Hz & 230V 60Hz	123B9498	123B9160	123B9321	123B9222
MP14FG	123B2125	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9498	123B9118	123B9316	-
MX21FG	123B2131	CSR Box	200-220V 50Hz & 220-230V 60Hz	123B9472	123B9156	123B9302	123B9207
MX23FG	123B2133	CSR Box	200-220V 50Hz & 220-230V 60Hz	123B9491	123B9153	123B9304	123B9203
MS26FG	123B2135	CSR Box Size S	200-220V 50Hz & 230V 60Hz	123B9530	123B9153	123B9304	123B9207
MLY45LRa	123B2141	CSIR Relay	115-127V 60Hz	123B9499	123B9136	123B9309	-
MLY45LRb	123B2142	CSR Relay + NTC	115-127V 60Hz	123B9499	123B9148	123B9309	123B9216
ML60FR	123B2143	CSIR Relay	115-127V 60Hz	123B9482	123B9118	123B9309	-
MLY60LDa	123B2144	CSIR Relay	115V 60Hz	123B9482	123B9118	123B9313	-
MLY60LDb	123B2145	CSR Relay + NTC	115V 60Hz	123B9499	123B9150	123B9313	123B9216
ML80FR	123B2146	CSIR Relay	115-127V 60Hz	123B9494	123B9129	123B9318	-
ML90FR	123B2147	CSIR Relay	115-127V 60Hz	123B9494	123B9134	123B9318	-
MLT90LD	123B2148	CSR Relay + NTC	115V 60Hz	123B9472	123B9130	123B9313	123B9216
MLT90CD	123B2149	RSCR PTC	115V 60Hz	123B9432	123B9102	-	123B9216
MLT90CDc	123B2150	CSR Relay + NTC	115V 60Hz	123B9472	123B9130	123B9313	123B9216
MP12FR	123B2151	CSIR Relay	115-127V 60Hz	123B9496	123B9134	123B9318	-
MPT12LD	123B2152	CSR Relay + NTC	115V 60Hz	123B9527	123B9141	123B9314	123B9216
MPT12CD	123B2153	RSCR PTC	115V 60Hz	123B9471	123B9102	-	123B9216
MP14FE	123B2154	CSIR Relay	115V 60Hz	123B9496	123B9138	123B9318	-

Danfoss Light Commercial Refrigeration Compressors

Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
MPT14LD	123B2155	CSR Relay + NTC	115V 60Hz	123B9496	123B9143	123B9314	123B9227
MPT14LF	123B2156	CSR Relay + NTC	208-230V 60Hz	123B9498	123B9139	123B9315	123B9219
MS26FF	123B2157	CSR Box Size S	208-230V 60Hz	123B9529	123B9153	123B9304	123B9207
MS30FF	123B2158	CSR Box Size S	208-230V 60Hz	123B9509	123B9153	123B9304	123B9207
MS30FG	123B2159	CSR Box Size S	230V 60Hz	123B9533	123B9156	123B9304	123B9204
ML45FR	123B2160	CSIR Relay	115-127V 60Hz	123B9499	123B9136	123B9309	-
MP12FG	123B2166	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9499	123B9136	123B9315	-
MS34FF	123B2174	CSR Box Size S	208V 60Hz	123B9536	123B9156	123B9304	123B9207
MLY12LRa	123B2181	CSIR Relay	115-127V 60Hz	123B9527	123B9137	123B9314	-
MLY12LRb	123B2182	CSR Relay + NTC	115-127V 60Hz	123B9527	123B9172	123B9314	123B9216
MX23FGa	123B2183	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9491	123B9159	123B9321	123B9215
ML40TG	123B2502	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9464	123B9108	123B9311	-
ML45TG	123B2504	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9464	123B9108	123B9311	-
ML60TG	123B2508	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9436	123B9110	123B9311	-
ML80TG	123B2512	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9455	123B9116	123B9312	-
ML90TG	123B2516	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9482	123B9136	123B9312	-
MP12TG	123B2517	CSR Box	200-220V 50Hz & 220-230V 60Hz	123B9482	123B9153	123B9307	123B9218
MX18TG	123B2519	CSR Box	200-220V 50Hz & 220-230V 60Hz	123B9494	123B9156	123B9302	123B9207
MS26TG	123B2524	CSR Box Size S	200-220V 50Hz & 230V 60Hz	123B9509	123B9156	123B9304	123B9204
MLY60RDa	123B2527	CSIR Relay	115V 60Hz	123B9491	123B9122	123B9313	-
MLY60RDb	123B2528	CSR Relay + NTC	115V 60Hz	123B9472	123B9124	123B9313	123B9216
ML60TR	123B2529	CSIR Relay	115-127V 60Hz	123B9472	123B9122	123B9318	-
MLY80RDa	123B2530	CSIR Relay	115V 60Hz	123B9494	123B9134	123B9314	-
MLY80RDb	123B2531	CSR Relay + NTC	115V 60Hz	123B9491	123B9141	123B9314	123B9216
MLT12RG	123B2532	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9489	123B9151	123B9316	123B9215
MX18TGa	123B2541	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9496	123B9159	123B9304	123B9203
MPT12RG	123B2703	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9489	123B9151	123B9316	123B9215
MX21TG	123B2709	CSR Box	200-220V 50Hz & 230V 60Hz	123B9496	123B9156	123B9302	123B9207
MS34TG	123B2711	CSR Box Size S	200-220V 50Hz & 230V 60Hz	123B9548	123B9156	123B9304	123B9228
MX21TGa	123B2714	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9496	123B9161	123B9302	123B9207
NLY45LRa	123B3129	CSIR Relay	115-127V 60Hz	123B9470	123B9118	123B9313	-
NLY45LRb	123B3130	CSR Relay + NTC	115-127V 60Hz	123B9470	123B9150	123B9313	123B9216
NLY60LRa	123B3131	CSIR Relay	115-127V 60Hz	123B9482	123B9122	123B9313	-
NLY60LRb	123B3132	CSR Relay + NTC	115-127V 60Hz	123B9482	123B9124	123B9313	123B9216
NLY80LRa	123B3133	CSIR Relay	115-127V 60Hz	123B9482	123B9129	123B9318	-
NLY80LRb	123B3134	CSR Relay + NTC	115-127V 60Hz	123B9482	123B9130	123B9318	123B9216
NPY12LRa	123B3137	CSIR Relay	115-127V 60Hz	123B9494	123B9129	123B9309	-
NPY12LRb	123B3138	CSR Relay + NTC	115-127V 60Hz	123B9494	123B9130	123B9309	123B9216
NPY14LFa	123B3139	CSIR Relay	208-230V 60Hz	123B9498	123B9118	123B9315	-
NPY14LFb	123B3140	CSR Relay + NTC	208-230V 60Hz	123B9498	123B9139	123B9315	123B9219
NUT55LRa	123B3147	CSIR Relay	115-127V 60Hz	123B9552	123B9116	123B9323	123B9222
NUT55LRb	123B3148	CSR Relay + NTC	115-127V 60Hz	123B9552	123B9170	123B9323	123B9222
NUT60LRa	123B3149	CSIR Relay	115-127V 60Hz	123B9498	123B9136	123B9322	123B9222
NUT60LRb	123B3150	CSR Relay + NTC	115-127V 60Hz	123B9498	123B9148	123B9322	123B9222
NUT60LRc	123B3151	CSIR Relay	115-127V 60Hz	123B9495	123B9136	123B9322	123B9222
NUT60LRd	123B3152	CSR Relay + NTC	115-127V 60Hz	123B9495	123B9148	123B9322	123B9222
NUT55LRc	123B3155	CSIR Relay	115-127V 60Hz	123B9495	123B9116	123B9323	123B9222
NUT55LRd	123B3156	CSR Relay + NTC	115-127V 60Hz	123B9495	123B9170	123B9323	123B9222
NLY75NRa	123B3301	CSIR Relay	115-127V 60Hz	123B9482	123B9129	123B9318	-
NLY75NRb	123B3302	CSR Relay + NTC	115-127V 60Hz	123B9482	123B9130	123B9318	123B9222
NLY12NGa	123B3305	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9498	123B9122	123B9321	-
NLY12NGb	123B3306	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9498	123B9160	123B9321	123B9222
NLY45RRa	123B3516	CSIR Relay	115-127V 60Hz	123B9489	123B9118	123B9320	-
NLY45RRb	123B3517	CSR Relay + NTC	115-127V 60Hz	123B9489	123B9150	123B9320	123B9216

Danfoss Light Commercial Refrigeration Compressors

Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
NLY60RRa	123B3518	CSIR Relay	115-127V 60Hz	123B9489	123B9118	123B9309	-
NLY60RRb	123B3519	CSR Relay + NTC	115-127V 60Hz	123B9489	123B9150	123B9309	123B9216
NLY75RRa	123B3520	CSIR Relay	115-127V 60Hz	123B9494	123B9129	123B9309	-
NLY75RRb	123B3521	CSR Relay + NTC	115-127V 60Hz	123B9494	123B9130	123B9309	123B9216
NLY80RRa	123B3522	CSIR Relay	115-127V 60Hz	123B9494	123B9129	123B9309	-
NLY80RRb	123B3523	CSR Relay + NTC	115-127V 60Hz	123B9494	123B9130	123B9309	123B9216
NLY90RRa	123B3524	CSIR Relay	115-127V 60Hz	123B9496	123B9129	123B9309	-
NLY90RRb	123B3525	CSR Relay + NTC	115-127V 60Hz	123B9496	123B9130	123B9309	123B9216

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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.

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Danfoss Inverter Scrolls

Danfoss Scrolls

Danfoss Optyma Condensing Units

Danfoss Maneurop Reciprocating Compressors

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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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