

ENGINEERING
TOMORROW



50 and 60Hz Catalogue

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

R134a | R404A | R507 | R600a | R290



lightcommercialrefrigeration.danfoss.com

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Compressor Ranges

Small L range



Features:

More compact, more efficient

Range:

2.2 – 3.1cc

Refrigerants:

R134a, R600a

Applications:

Small refrigerators and freezers

B range



Features:

More displacement, more efficient, compactness

Range:

2.2 – 6.5cc

Refrigerants:

R134a, R600a, R290

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:

4.5 to 8.9 cc

Refrigerants:

R1234yf, R134a, R404A, R290

Applications:

Household Refrigerators, Bottle Coolers and Freezers, Can Coolers,
Chest Freezers, Vending Machines, Ice Cream Freezers, Beer Dispensers,
Ice Makers, Soft Drink Dispensers, Heat Pumps Systems

L range



Features:

Highly efficient range with propane (R290) & isobutane (R600a)

Range:

4.56 to 10.70 cc

Refrigerants:

R134a, R404A, R507, R600a, R290, R1234yf

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:

R1234yf, R134a, R404A, R507, R600a, R290

Applications:

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, R507, R290, R407C, R1234yf

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, R290, R1234yf

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 CO₂ 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.



Compressor Ranges Main Characteristics

Compressor ranges - Main characteristics							
Range	Displacement (cm³)		Cooling capacity (W) [*]				Weight (max) (kg)
			LBP		HMBP		
	min	max	min	max	min	max	
Small L	2.2	3.1	30	67	-	-	4.20
B	2.2	6.5	54	200	185	418	6.00
U	4.5	9.09	215	450	325	970	9.90
L	4.5	10.7	110	696	324	1682	11
P	12	18	190	968	1065	2080	13
X	16	23	400	1060	1655	3030	17
S	18	34	1215	1620	2475	5265	23

*All refrigerants / Measured at ASHRAE rating condition 50 Hz

Labels and Approvals

For U, L, P, X, S



- Compressor code and model
- Voltage
- Approvals
- Production Date
- Bar Code
- Refrigerant

For Small L & B



- Compressor code and model
- Voltage
- Approvals
- Bar Code
- Refrigerant

Approvals



Directive compliance declarations



Flammable gases



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

model						
G L Y 6 0 R A a						
Indicates refrigerant.		G	L	Y	6 0	R A a
G = R134a M = R404A/R507						
N = R290 H = R600a						
Indicates compressor range (overall design).						
L = 4.5 - 11cm ³ U = 5.5 - 9cm ³						
X = 16 - 23cm ³ P = 12 - 18cm ³						
S = 18 - 34cm ³						
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 cm ³ /rev (GL90TB -> approx 9 cm ³ /rev)						
P / X / S ranges The approx. displacement in cm ³ /rev (MX21TG -> approx 21 cm ³ /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	35	C	5	B
B	35	C	5	B
Range: L --> Small L range B --> B range				
Displacement x10: 22 - 2.2cc 25 - 2.5cc 30 - 3.0cc				
Refrigerant & application: H = R134a LBP G = R134a HBP C = R600a LBP M = R600a HBP				
Voltage & Frequency: Blank = 220-240V 50Hz and 220-240V 60 Hz 0 = 100V 50/60Hz 5 = 115V 60Hz 7 = 127V 60Hz				
Efficiency level: Blank = Standard Efficiency B = High Efficiency A = Very High Efficiency S = Top efficiency				

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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 for L, P, U, X, S Ranges		
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 for U, L, P, X and S range:
-35°C to -10°C [-31°F to -14°F] (down to -40°C [-40°F] for refrigerant R404A and R290).

Evaporating temperature range for Small L and B range
-35°C to -15°C [-31°F to -26°F]

Rating Condition
-25°C [-13°F] (CECOMAF) or -23.3°C [-10°F] (ASHRAE)

Low-Medium Back Pressure (LMBP) Compressors

Evaporating temperature range:
-35°C to 0°C [-31°F to +32°F] (down to -40°C [-40°F] for refrigerant R404A and R290).

Rating Condition
-25°C [-13°F] (CECOMAF) or -23.3°C [-10°F] (ASHRAE)

High Medium Back Pressure (HMBP) Compressors

Evaporating temperature range:
-25°C to +10°C [-13°F to +50°F]

Rating Condition
+5°C [+41°F] (CECOMAF) or +7.2°C [+45°F] (ASHRAE)

High Back Pressure (HBP) Compressors

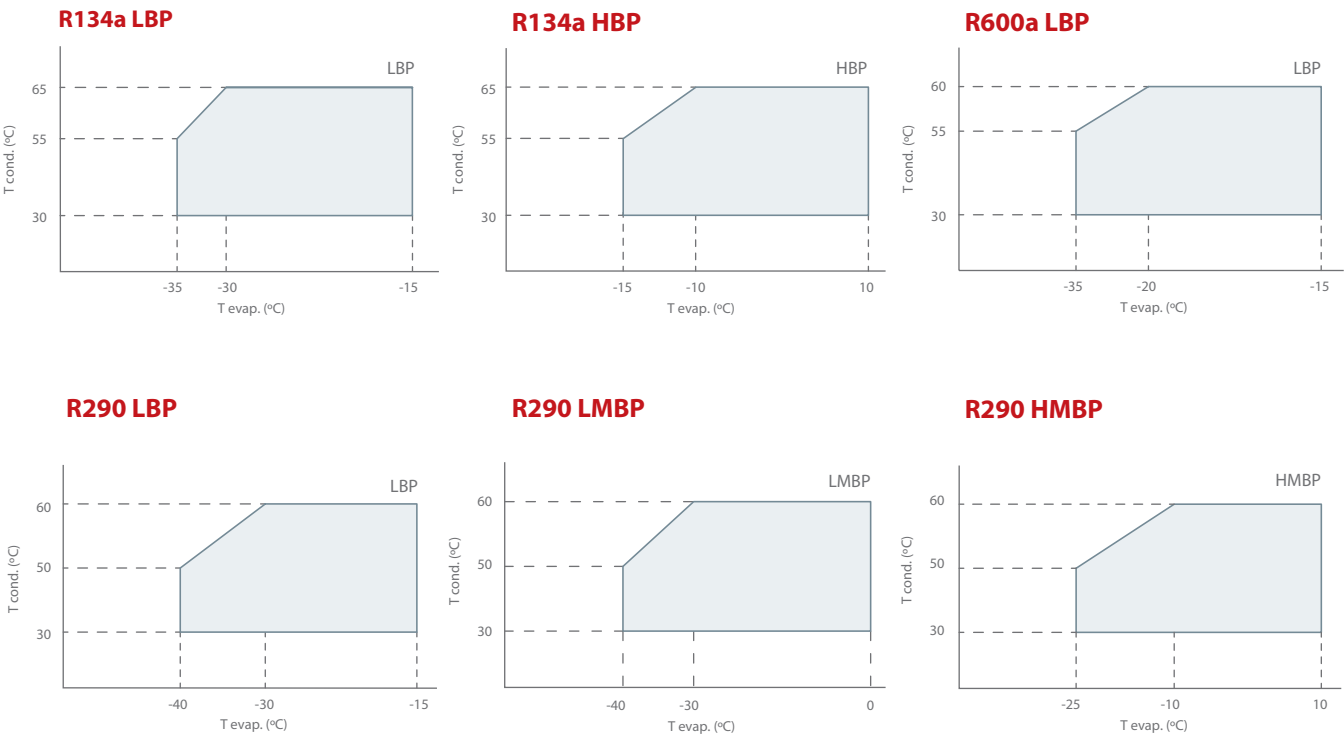
Evaporating temperature range:
-15°C to +10°C [+5°F to +50°F]

Rating Condition
+5°C [+41°F] (CECOMAF) or +7.2°C [+45°F] (ASHRAE)

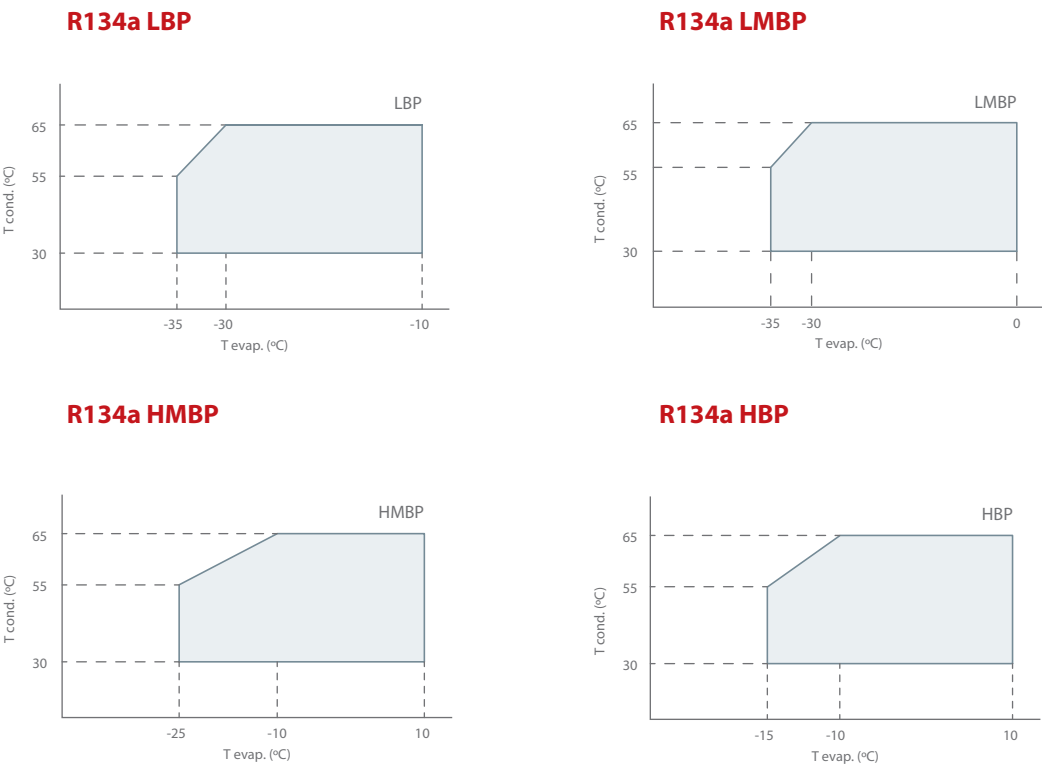
Operating Envelope

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.

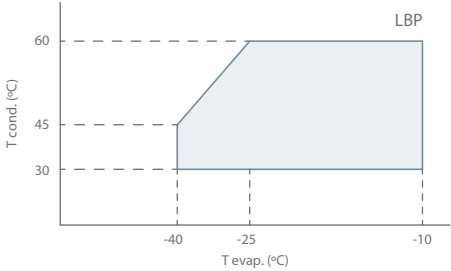
For Small L and B ranges:



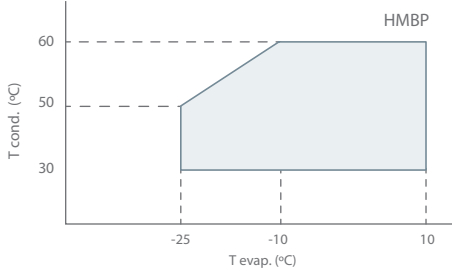
For U, L, P, X and S ranges:



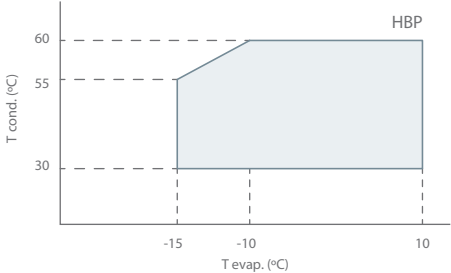
R404A LBP



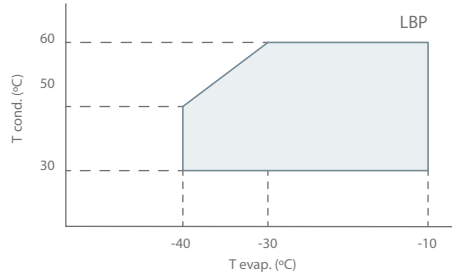
R404A HMBP



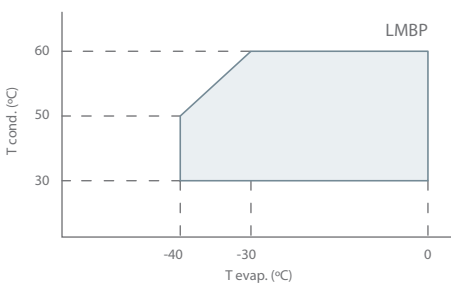
R404A HBP



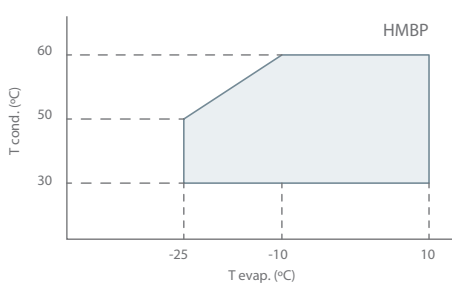
R290 LBP



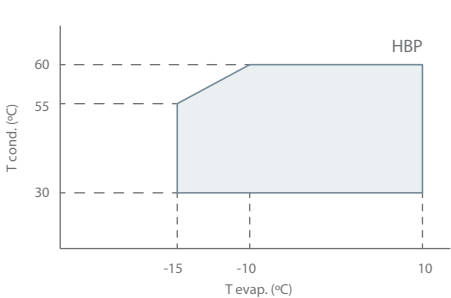
R290 LMBP



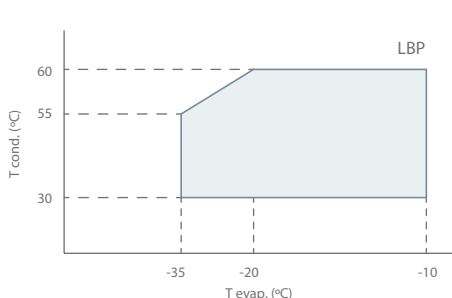
R290 HMBP



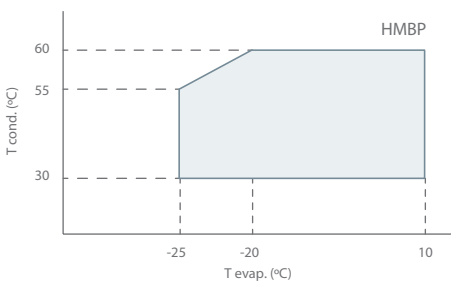
R290 HBP



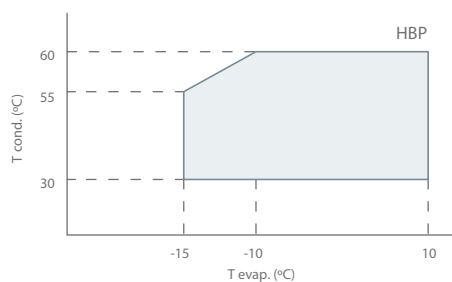
R600a LBP



R600a HMBP



R600a HBP





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 purpose 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 (Small L, B), L and P ranges.

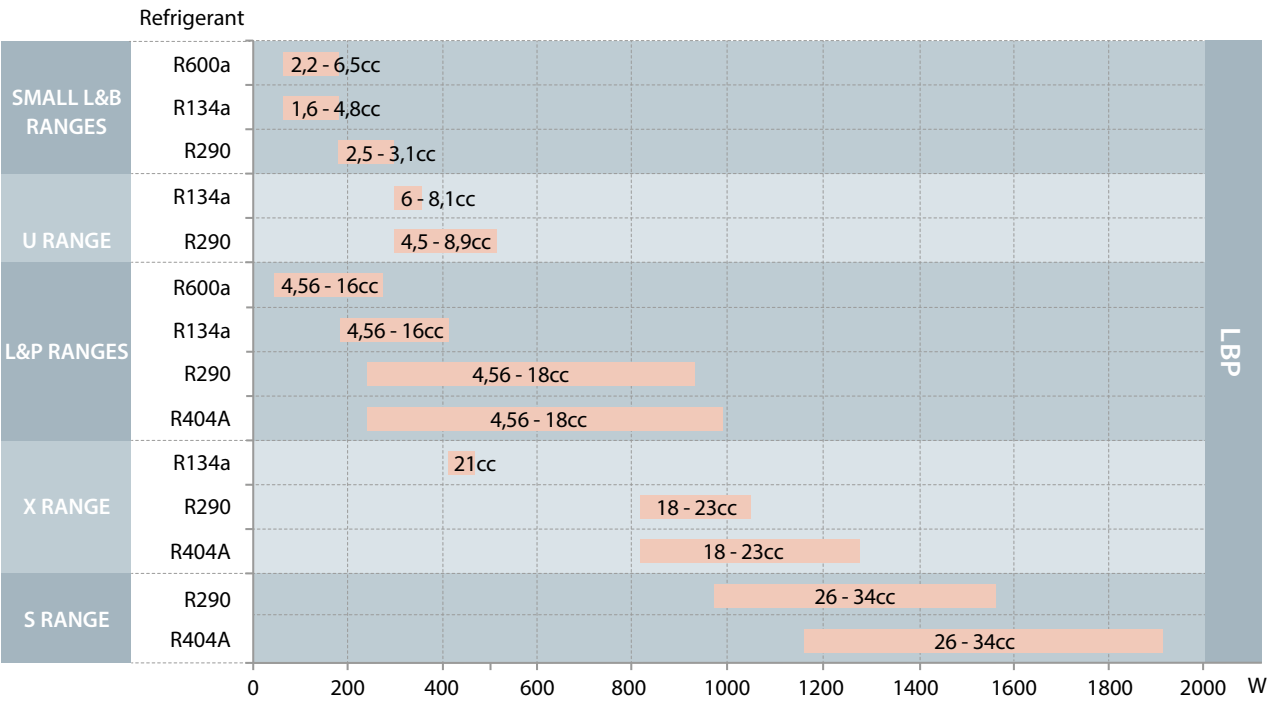
NTC – (Negative Temperature Coefficient), the resistance decreases with the temperature. Used in some CSR in order to reduce dimensions and components.

Type of torque

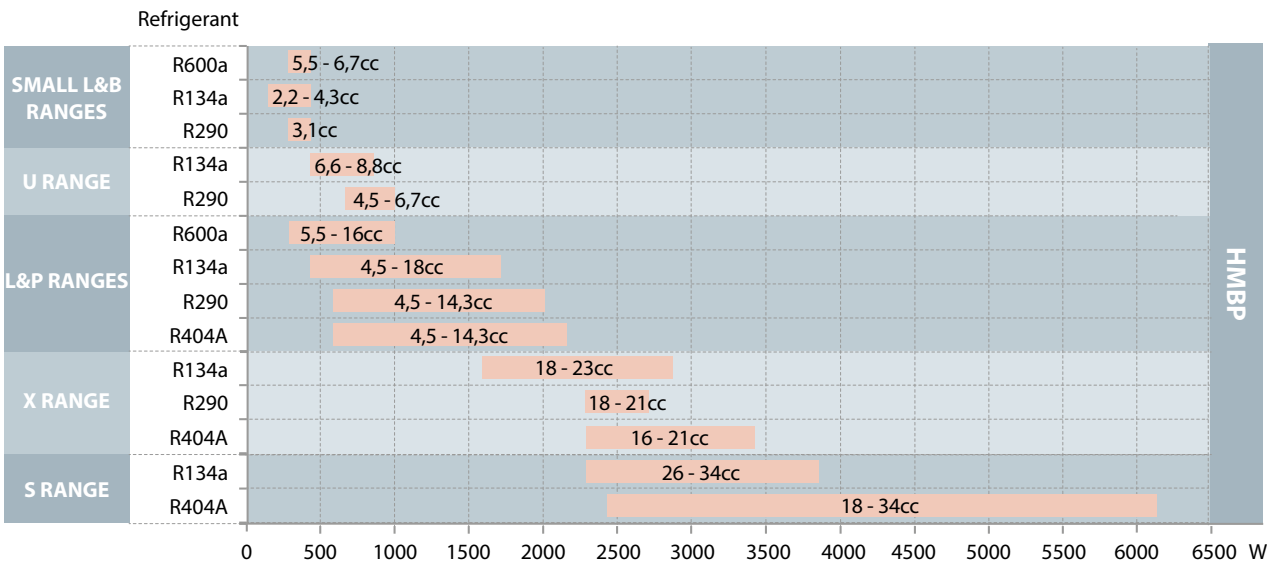
LST – Low Starting Torque – Systems with capillary tube or balanced pressures at start up.

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

Compressors Ranges LBP

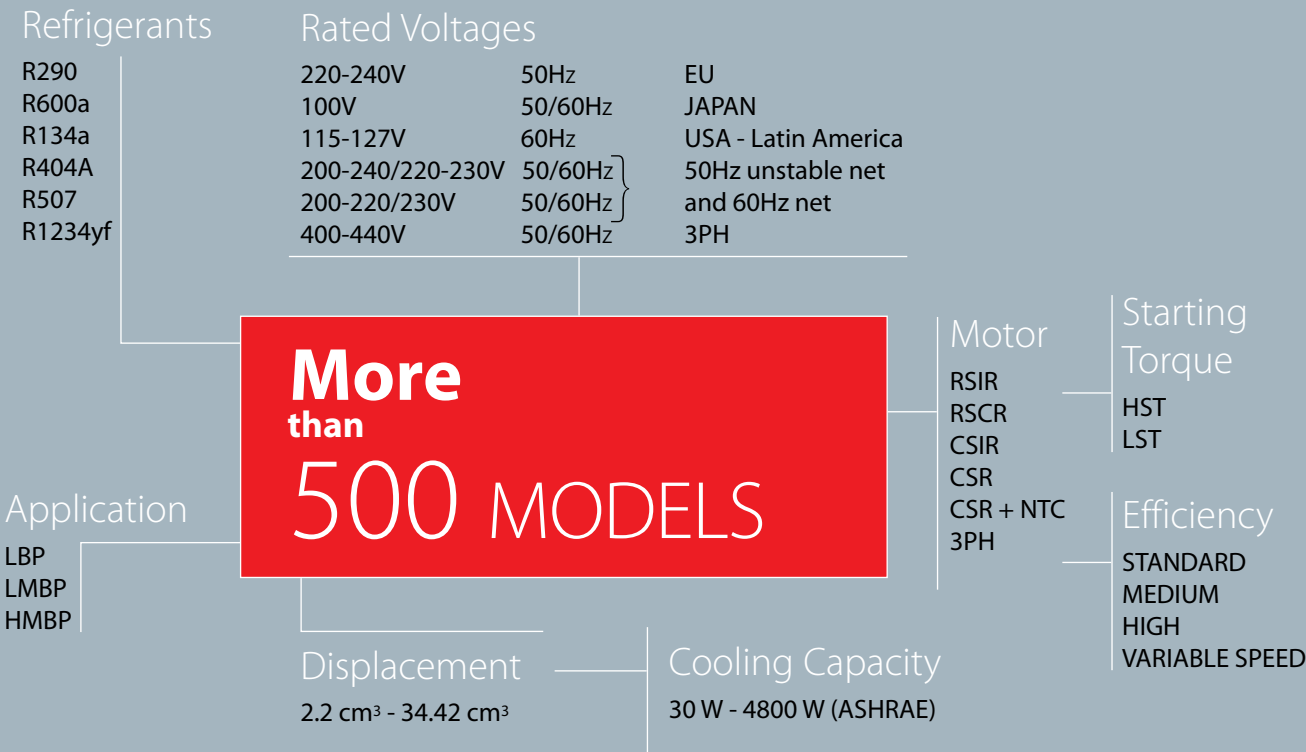


Compressors Ranges HMBP



* - at ASHRAE LBP / HBP conditions

Compressor Summary



How to read this Catalogue

Compressors

R404A • R507		HMBP HBP • 50 Hz		50 Hz		Voltage		R = Current or Potential Relay , P = PTC		Cooling capacity CECOMAF & ASHRAE		Dimensional drawing reference							
MODEL	DANFOSS CODE (n)	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
										COP in W/W Evaporating Temperature °C									
										CECOMAF (W)				ASHRAE					
										-25	-15	5 W	COP	10	7.2 W	COP			
ML40TB	123B2501	4.05	1/6	HMBP	F	220-240V 50Hz	CSIR	R	C-V	132	212	470	1.41	555	590	1.74	9.47	Lc	
ML40TG	123B2502	4.05	1/6	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	132	212	470	1.41	555	590	1.74	9.12	Lc	
ML45TB	123B2503	4.56	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	150	237	525	1.47	621	660	1.82	9.10	Lc	
ML45TG	123B2504	4.56	1/5	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	150	237	525	1.47	621	660	1.82	10.57	Lc	
MLT45RG	123B2546	4.56	1/5	HMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	169	268	594	1.88	702	747	2.33	10.60	Ld	
ML60TB	123B2507	5.68	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	165	276	643	1.50	765	810	1.85	9.29	Lc	
ML60TG	123B2508	5.68	1/4	HMBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	165	276	643	1.50	765	810	1.85	10.57	Lc	
MLY60RAa	123B2505	5.98	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	210	344	761	1.74	896	955	2.15	10.49	Lc	
MLY60RAb	123B2506	5.98	1/4	HMBP	F	220-240V 50Hz	CSR	R	C-V	210	344	761	1.91	896	955	2.36	10.59	Lc	
MLY60RGa	123B2550	5.98		HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	215	341	765	1.85	907	963	2.29	10.24	Lc	
MLY60RGb	123B2551	5.98		HMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	216	352	778	2.00	916	976	2.48	10.34	Lc	
ML80TB	123B2511	7.57	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	225	383	875	1.61	1034	1100	1.99	9.68	Ld	
ML80TG	123B2512	7.57	3/8	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	225	383	875	1.61	1034	1100	1.99	11.81	Ld	
MLY80RAa	123B2509	8.10	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	280	461	1049	1.84	1243	1319	2.27	11.29	Ld	
MLY80RAb	123B2510	8.10	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	280	461	1049	1.99	1243	1319	2.46	11.39	Ld	
ML90TB	123B2515	8.85	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	280	461	1049	1.61	1243	1319	1.98	12.31	Ld	
ML90TG	123B2516	8.85	3/8	HMBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	280	461	1049	1.61	1243	1319	1.98	11.29	Ld	
MLY90RAa	123B2513	9.09	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	316	509	1125	1.73	1327	1412	2.13	11.34	Ld	
MLY90RAb	123B2514	9.09	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	316	508	1129	1.89	1333	1418	2.34	11.44	Ld	
MLT12RA	123B2540	10.70	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	396	632	1379	1.88	1622	1729	2.31	11.59	Ld	
MLT12RG	123B2532	10.70	3/8	HMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	365	601	1337	1.83	1576	1678	2.26	12.24	Ld	
MPT12RA	123B2518	12.10	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	437	723	1559	1.91	1823	1950	2.35	12.20	Pd	
MPT12RG	123B2703	12.10	3/8	HBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	-	689	1489	1.87	1769	1875	2.33	12.89	Pd	
MPT14RA	123B2704	14.32	1/2	HBP	F	220-240V 50Hz	CSR	R	C-V	-	789	1750	1.78	2068	2199	2.20	12.25	Pd	
MX16TBa	123B2706	16.03	7/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	481	814	1868	1.74	2212	2350	2.15	16.33	Xd	
MX18TBa	123B2707	18.40	7/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	551	932	2143	1.76	2540	2697	2.18	16.33	Xd	
MX18TGa	123B2541	18.40	7/8	HMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	551	932	2143	1.76	2540	2697	2.18	16.24	Xd	
MX21TBa	123B2708	20.72	1	HMBP	F	220-240V 50Hz	CSR	R	C-V	620	1046	2410	1.74	2856	3032	2.15	16.52	Xd	
MX21TGa	123B2714	20.72	1	HMBP	F	200-220/230V 50/60Hz	CSR	R	C-V	621	1047	2409	1.74	2857	3032	2.15	17.16	Xd	
MS22TB	123B2521	21.75	1	HMBP	F	220-240V 50Hz	CSR	R	C-V	451	967	2550	2.02	3060	3228	2.50	20.51	Sc	
MS26TB	123B2523	25.93	1 3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	671	1288	3164	2.00	3767	3991	2.46	22.12	Sd	
MS26TG	123B2524	25.93	1 3/8	HMBP	F	200-220/230V 50/60Hz	CSR	R	C-V	671	1289	3166	2.00	3769	3993	2.46	23.00	Sd	
MS34TB	123B2710	34.42	1 5/8	HBP	F	220-240V 50Hz	CSR	R	C-V	-	1850	4205	1.89	4930	5266	2.30	22.21	Sd	
MS34TG	123B2711	34.42	1 5/8	HBP	F	200-220/230V 50/60Hz	CSR	R	C-V	-	1850	4205	1.89	4930	5266	2.30	22.78	Sd	
MS18T3	123B2520	18.10	7/8	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	421	834	2124	1.89	2543	2685	2.35	20.00	Sb	

R134a

R134a (*) LBP • 50 Hz

	MODEL	DANFOSS CODE (m)	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)						ASHRAE			
											-35	-30	-25		-10	-23.3				
													W	COP		W	COP			
	L22HL	123B8101	2.20	1/20	LBP	S	220-240V 50Hz	RSIR	P	C	16	24	34	0.63	75	46	0.82	3.70	SLb	
	L30HL	123B8102	3.10	1/12	LBP	S	220-240V 50/60Hz	RSIR	P	C	23	35	49	0.69	108	67	0.90	4.20	SLc	
	B38H	123B8103	3.80	1/12	LBP	S	220-240V 50Hz	RSIR	P	C	30	45	63	0.73	139	86	0.95	4.60	Bb	
	B43H	123B8104	4.30	1/10	LBP	S	220-240V 50/60Hz	RSIR	P	C	34	50	71	0.77	156	96	1.00	5.40	Bc	
	B43HB	123B8105	4.30	1/10	LBP	S	220-240V 50Hz	RSCR	P	C	35	51	72	0.92	158	97	1.20	5.00	Bc	
	B48H	123B8106	4.80	1/8	LBP	S	220-240V 50Hz	RSIR	P	C	38	56	79	0.81	174	108	1.05	5.00	Bc	
	GL45AAa	123B1111	4.56	1/8	LBP	S	220-240V 50Hz	RSIR	P	C	37	57	81	0.81	184	111	1.06	7.91	Lb	
	GL45AAb	123B1112	4.56	1/8	LBP	S	220-240V 50Hz	CSIR	R	C-V	37	57	81	0.81	184	111	1.06	8.06	Lb	
	GL45ANa	123B1113	4.56	1/8	LBP	S	200-240/220-230V 50/60Hz	RSIR	P	C	36	56	80	0.78	184	110	1.03	8.42	Lb	
	GLY45AAa	123B1109	4.56	1/8	LBP	S	220-240V 50Hz	RSIR	P	C	46	65	89	1.01	192	120	1.30	9.08	Lb	
	GLY45AAb	123B1110	4.56	1/8	LBP	S	220-240V 50Hz	RSCR	P	C	47	66	90	1.05	193	122	1.36	9.19	Lb	
	GL60AAa	123B1116	5.98	1/6	LBP	S	220-240V 50Hz	RSIR	P	C	50	75	107	0.85	239	146	1.10	8.45	Lb	
	GL60AAb	123B1117	5.98	1/6	LBP	S	220-240V 50Hz	CSIR	R	C-V	50	75	107	0.85	239	146	1.10	8.60	Lb	
	GL60ANa	123B1118	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz	RSIR	P	C	57	82	114	0.83	244	154	1.09	9.11	Lc	
	GL60ANb	123B1119	5.98	1/6	LBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	82	94	116	0.84	244	154	1.09	9.26	Lc	
	GL60ANc	123B1120	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz	CSIR	R	C-V	82	94	116	0.84	244	154	1.09	9.26	Lc	
	GLY60AAa	123B1114	5.98	1/6	LBP	S	220-240V 50Hz	RSIR	P	C	58	85	119	1.04	255	161	1.34	8.49	Lb	
	GLY60AAb	123B1115	5.98	1/6	LBP	S	220-240V 50Hz	RSCR	P	C	59	86	120	1.10	255	162	1.42	8.60	Lb	
	GLY70AAa	123B1170	6.65	1/5	LBP	S	220-240V 50Hz	RSIR	P	C	66	96	133	1.03	289	181	1.33	9.09	Lc	
	GLY70AAb	123B1171	6.65	1/5	LBP	S	220-240V 50Hz	RSCR	P	C	66	96	133	1.08	289	181	1.40	9.20	Lc	
	GL80AAa	123B1123	8.10	1/5	LBP	S	220-240V 50Hz	RSIR	P	C	68	102	144	0.89	326	197	1.15	8.98	Lc	
	GL80AAb	123B1124	8.10	1/5	LBP	S	220-240V 50Hz	CSIR	R	C-V	68	102	144	0.89	326	197	1.15	9.13	Lc	
	GL80ANa	123B1125	8.10	1/5	LBP	S	200-240/220-230V 50/60Hz	RSIR	P	C	76	107	148	0.83	331	201	1.09	9.75	Lc	
	GL80ANb	123B1126	8.10	1/5	LBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	76	107	148	0.83	331	201	1.09	9.90	Lc	
	GL80ANc	123B1127	8.10	1/5	LBP	S	200-240/220-230V 50/60Hz	CSIR	R	C-V	76	107	148	0.83	331	201	1.09	9.90	Lc	
	GLY80AAa	123B1121	8.10	1/5	LBP	S	220-240V 50Hz	RSIR	P	C	92	123	164	1.07	349	221	1.37	9.51	Lc	
	GLY80AAb	123B1122	8.10	1/5	LBP	S	220-240V 50Hz	RSCR	P	C	93	124	165	1.13	351	222	1.45	9.62	Lc	
	GL90AAa	123B1130	9.09	1/4	LBP	S	220-240V 50Hz	RSIR	P	C	82	120	165	0.90	351	223	1.15	9.39	Lc	
	GL90AAb	123B1131	9.09	1/4	LBP	S	220-240V 50Hz	CSIR	R	C-V	82	120	165	0.90	351	223	1.15	9.54	Lc	
	GL90ANa	123B1132	9.09	1/4	LBP	S	200-240/220-230V 50/60Hz	RSIR	P	C	85	118	163	0.84	366	221	1.10	10.33	Ld	
	GL90ANb	123B1133	9.09	1/4	LBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	85	118	163	0.84	366	221	1.10	10.48	Ld	
	GL90ANc	123B1134	9.09	1/4	LBP	S	200-240/220-230V 50/60Hz	CSIR	R	C-V	85	118	163	0.84	366	221	1.10	10.48	Ld	
	GLY90AAa	123B1128	9.09	1/4	LBP	S	220-240V 50Hz	RSIR	P	C	104	140	186	1.07	387	250	1.37	9.43	Lc	
	GLY90AAb	123B1129	9.09	1/4	LBP	S	220-240V 50Hz	RSCR	P	C	104	140	187	1.13	388	251	1.45	9.54	Lc	
	GL99AAa	123B1165	9.95	1/4	LBP	S	220-240V 50Hz	RSIR	P	C	83	125	175	0.92	377	237	1.19	9.64	Ld	
	GL99AAb	123B1166	9.95	1/4	LBP	S	220-240V 50Hz	CSIR	R	C-V	83	125	175	0.92	377	237	1.19	9.79	Ld	
	GLM12LAa	123B1168	10.70	3/8	LBP	F	220-240V 50Hz	CSIR	R	C-V	98	143	200	0.92	445	272	1.19	10.06	Ld	
	GLM12Lab	123B1169	10.70	3/8	LBP	F	220-240V 50Hz	CSR	R	C-V	98	145	204	0.99	451	278	1.29	10.16	Ld	
	GPY12AAa	123B1135	12.10	3/8	LBP	S	220-240V 50Hz	RSIR	P	C	128	178	241	0.96	500	324	1.23	12.07	Pd	
	GPY12AAb	123B1136	12.10	3/8	LBP	S	220-240V 50Hz	RSCR	P	C	128	178	241	1.04	500	324	1.33	12.18	Pd	
	GPY12LAa	123B1137	12.10	3/8	LBP	F	220-240V 50Hz	CSIR	R	C-V	113	162	225	1.00	509	307	1.30	12.78	Pd	
	GPY12Lab	123B1138	12.10	3/8	LBP	F	220-240V 50Hz	CSR	R	C-V	113	162	225	1.06	509	307	1.38	12.89	Pd	
	GP14CG	123B1142	14.17	3/8	LBP	F	200-240/220-230V 50/60Hz	RSIR	R	C	99	158	228	0.83	509	313	1.08	10.62	Pc	
	GP14FB	123B1143	14.17	3/8	LBP	F	220-240V 50Hz	CSIR	R	C-V	99	157	228	0.90	509	311	1.16	10.36	Pc	

🌿 Green Cooling Models

▲ New Models

(*) Or HFO1234yf

See design drawing on pages 40-41

(†) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

This table continues in the following page

R134a (*) LBP • 50 Hz

	MODEL	DANFOSS CODE (†)	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-35	-30	-25		-10	-23.3				
													W	COP		W	COP			
	GPY14NGa	123B1313	14.32	3/8	LMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	147	205	283	0.92	636	374	1.14	12.59	Pd	
	GPY14NGb	123B1314	14.32	3/8	LMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	148	206	284	0.97	636	387	1.27	12.69	Pd	
	GP16FB	123B1148	16.15	3/8	LBP	F	220-240V 50Hz	CSIR	R	C-V	109	182	266	0.89	585	365	1.14	11.79	Pd	
	GPY16LAa	123B1145	16.15	3/8	LBP	F	220-240V 50Hz	CSIR	R	C-V	151	220	306	1.02	677	417	1.32	11.73	Pd	
	GPY16Lab	123B1146	16.15	3/8	LBP	F	220-240V 50Hz	CSR	R	C-V	151	220	306	1.09	677	417	1.42	11.83	Pd	
	GX21FB	123B1167	20.72	2/3	LBP	F	220-240V 50Hz	CSIR	R	C-V	151	243	351	0.93	778	480	1.20	15.75	Xc	

R134a (*) LBP | LMBP • 60 Hz

	MODEL	DANFOSS CODE (†)	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)						ASHRAE			
											-35	-30	-25		-10	-23.3				
													W	COP		W	COP			
	L30HL	123B8102	3.10	1/12	LBP	S	220-240V 50/60Hz	RSIR	P	C	26	39	55	0.80	123	74	1.04	4.20	SLc	
	B38H	123B8109	3.80	1/12	LBP	S	220-240V 60Hz	RSIR	P	C	34	50	71	0.96	158	96	1.10	4.60	Bb	
	B43H	123B8104	4.30	1/10	LBP	S	220-240V 50/60Hz	RSIR	P	C	39	58	81	0.96	181	110	1.10	5.40	Bc	
	B43HB	123B8105	4.30	1/10	LBP	S	220-240V 50/60Hz	RSCR	P	C	39	58	81	1.00	181	110	1.30	5.20	Bc	
	GL45ANa	123B1113	4.56	1/8	LBP	S	200-240/220-230V 50/60Hz	RSIR	P	C	43	65	93	0.83	213	127	1.09	8.42	Lb	
	GL60ANa	123B1118	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz	RSIR	P	C	95	108	133	0.89	285	177	1.15	9.11	Lc	
	GL60ANb	123B1119	5.98	1/6	LBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	95	108	133	0.89	285	177	1.15	9.26	Lc	
	GL60ANc	123B1120	5.98	1/6	LBP	S	200-240/220-230V 50/60Hz	CSIR	R	C-V	95	108	133	0.89	285	177	1.15	9.26	Lc	
	GL80ANa	123B1125	8.10	1/5	LBP	S	200-240/220-230V 50/60Hz	RSIR	P	C	87	124	172	0.92	385	234	1.19	9.75	Lc	
	GL80ANb	123B1126	8.10	1/5	LBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	87	124	172	0.92	385	234	1.19	9.90	Lc	
	GL80ANc	123B1127	8.10	1/5	LBP	S	200-240/220-230V 50/60Hz	CSIR	R	C-V	87	124	172	0.92	385	234	1.19	9.90	Lc	
	GL90ANa	123B1132	9.09	1/4	LBP	S	200-240/220-230V 50/60Hz	RSIR	P	C	96	134	185	0.93	421	252	1.20	10.33	Ld	
	GL90ANb	123B1133	9.09	1/4	LBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	96	134	185	0.93	421	252	1.20	10.48	Ld	
	GL90ANc	123B1134	9.09	1/4	LBP	S	200-240/220-230V 50/60Hz	CSIR	R	C-V	96	134	185	0.93	421	252	1.20	10.48	Ld	
	GP14CG	123B1142	14.17	3/8	LBP	F	200-240/220-230V 50/60Hz	RSIR	R	C	113	181	262	0.91	589	359	1.18	10.62	Pc	
	GPY14NGa	123B1313	14.32	3/8	LMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	173	241	330	0.98	728	448	1.27	12.59	Pd	
	GPY14NGb	123B1314	14.32	3/8	LMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	173	242	332	1.03	729	450	1.33	12.69	Pd	
	L22H5	123B8107	2.20	1/20	LBP	S	110-120V 60Hz	RSIR	P	C	19	28	39	0.56	87	53	0.75	3.60	SLb	
	L30H5L	123B8108	3.10	1/12	LBP	S	110-120V 60Hz	RSIR	P	C	27	40	57	0.73	127	78	0.95	3.85	SLc	
	B38H5	123B8110	3.80	1/12	LBP	S	110-120V 60Hz	RSIR	P	C	34	50	71	0.96	158	96	1.10	5.00	Bc	
	B38H5L	123B8111	3.80	1/12	LBP	S	110-120V 60Hz	RSIR	P	C	34	50	71	0.81	158	96	1.05	4.60	Bc	
	B43H5L	123B8114	4.30	1/10	LBP	S	110-120V 60Hz	RSIR	P	C	39	58	81	0.81	181	110	1.05	5.00	Bc	
	GL45ADa	123B1153	4.56	1/8	LBP	S	115V 60Hz	RSIR	P	C	42	65	95	0.80	215	130	1.05	8.19	Lb	
	GL45ADb	123B1154	4.56	1/8	LBP	S	115V 60Hz	CSIR	R	C-V	42	65	95	0.80	215	130	1.05	8.34	Lb	
	GL60ADa	123B1155	5.98	1/6	LBP	S	115V 60Hz	RSIR	P	C	65	95	132	0.85	290	179	1.10	9.48	Lb	
	GL60ADb	123B1156	5.98	1/6	LBP	S	115V 60Hz	CSIR	R	C-V	65	95	132	0.85	290	179	1.10	9.63	Lb	
	GUY60NRb	123B1301	6.00	1/5	LMBP	F	115-127V 60Hz	CSIR	R	C-V	80	113	158	1.15	362	214	1.49	9.00	Ub	

 Green Cooling Models

 New Models

(*) Or HFO1234yf

See design drawing on pages 40-41

(†) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

This table continues in the following page

R134a (*) LMBP | LBP • 60 Hz

	MODEL	DANFOSS CODE (a)	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)						ASHRAE			
											-35	-30	-25		-10	-23.3				
W	COP	W	COP																	
	GUY60NRc	123B1308	6.00	1/5	LMBP	S	115-127V 60Hz	CSIR	R	C-V	80	113	158	1.15	362	214	1.49	9.00	Ub	
	GUY70NRb	123B1307	6.70	1/5	LMBP	F	115-127V 60Hz	CSIR	R	C	86	121	166	1.15	386	225	1.49	9.30	Ub	
	GUY70NRc	123B1309	6.70	1/5	LMBP	S	115-127V 60Hz	CSIR	R	C	86	121	166	1.15	386	225	1.49	9.30	Ub	
	GUY80NRb	123B1303	8.10	1/4	LMBP	F	115-127V 60Hz	CSIR	R	C-V	107	151	209	1.14	480	284	1.49	9.60	Ub	
	GUY80NRc	123B1310	8.10	1/4	LMBP	S	115-127V 60Hz	CSIR	R	C-V	107	151	209	1.14	480	284	1.49	9.60	Ub	
	GL99ADa	123B1161	9.95	1/4	LBP	S	115V 60Hz	RSIR	P	C	102	148	205	0.89	439	278	1.15	11.44	Ld	
	GL99ADb	123B1162	9.95	1/4	LBP	S	115V 60Hz	CSIR	R	C-V	102	148	205	0.89	439	278	1.15	11.59	Ld	
	GLY12NRa	123B1304	10.70	3/8	LMBP	F	115-127V 60Hz	CSIR	R	C-V	119	168	234	1.02	531	318	1.33	10.55	Ld	
	GLY12NRb	123B1305	10.70	3/8	LMBP	F	115-127V 60Hz	CSR	R	C-V	119	168	234	1.07	531	318	1.39	10.65	Ld	
	GP14FE	123B1163	14.17	3/8	LBP	F	115V 60Hz	CSIR	R	C-V	119	186	267	0.84	603	366	1.11	12.35	Pd	
	GPY14NDa	123B1311	14.32	3/8	LMBP	F	115V 60Hz	CSIR	R	C-V	166	234	322	0.90	715	438	1.17	12.04	Pd	
	GPY14NDb	123B1312	14.32	3/8	LMBP	F	115V 60Hz	CSR	R	C-V	168	235	324	1.02	722	440	1.26	12.14	Pd	

 Green Cooling Models
 New Models
(*) Or HFO1234yf
See design drawing on pages 40-41
(a) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R134a (*) HMBP | HBP • 50 Hz

	MODEL	DANFOSS CODE (n)	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-25	-15	5		10	7.2				
													W	COP		W	COP			
	B22G	123B8115	2.20	1/14	HBP	S-F	220-240V 50Hz	RSIR	P	C	-	60	152	1.64	192	185	1.94	4.60	Bb	
	B25G	123B8117	2.60	1/14	HBP	S-F	220-240V 50/60Hz	RSIR	P	C	-	76	202	1.53	243	241	2.08	4.65	Bb	
	B25GL	123B8118	2.60	1/14	HBP	S-F	220-240V 50Hz	CSIR	R	C-V	-	70	190	1.84	228	227	2.16	5.50	Be	
	B30G	123B8121	3.10	1/10	HBP	S-F	220-240V 50Hz	RSIR	P	C	-	83	229	1.77	270	271	2.06	4.80	Bc	
	B30G	123B8120	3.10	1/10	HBP	S-F	220-240V 50Hz	CSIR	R	C-V	-	83	229	1.77	270	271	2.06	4.80	Bc	
	B35GL	123B8123	3.50	1/10	HBP	S-F	220-240V 50Hz	CSIR	R	C-V	-	100	269	1.87	323	322	2.34	5.50	Be	
	B38G	123B8125	3.80	1/8	HBP	S-F	220-240V 50Hz	CSIR	R	C-V	-	129	291	1.91	347	345	2.23	5.00	Bc	
	B38G	123B8125	3.80	1/8	HBP	S-F	220-240V 50/60Hz	CSIR	R	C-V	-	129	288	1.87	359	348	2.22	5.40	Bd	
	B43GL	123B8127	4.30	1/6	HBP	S-F	220-240V 50Hz	RSIR	P	C	-	122	348	1.75	422	417	2.06	5.30	Be	
	GL45MG	123B1704	4.56	1/6	HBP	S	230V 50/60Hz	CSIR	R	C-V	-	175	340	1.67	415	407	1.95	9.37	Lb	
	GL45PB	123B1515	4.56	1/6	HMBP	F	220-240V 50Hz	RSIR	R	C	76	134	341	1.61	412	407	1.86	7.76	Lb	
	GL45TB	123B1516	4.56	1/6	HMBP	F	220-240V 50Hz	CSIR	R	C-V	76	134	341	1.61	412	407	1.86	8.04	Lb	
	GL45TG	123B1517	4.56	1/6	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	76	134	341	1.67	412	407	1.95	9.15	Lb	
	GLY45RAa	123B1513	4.56	1/6	HMBP	F	220-240V 50Hz	CSIR	R	C-V	71	139	373	1.93	452	446	2.25	8.75	Lb	
	GLY45RAb	123B1514	4.56	1/6	HMBP	F	220-240V 50Hz	CSR	R	C-V	71	139	373	2.10	452	446	2.45	8.85	Lb	
	GL60MG	123B1705	5.98	1/5	HBP	S	230V 50/60Hz	CSIR	R	C-V	-	206	427	1.70	530	515	1.99	9.00	Lc	
	GL60PB	123B1520	5.68	1/5	HMBP	F	220-240V 50Hz	RSIR	R	C	95	170	436	1.81	527	521	2.09	8.34	Lb	
	GL60TB	123B1521	5.68	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	95	170	436	1.81	527	521	2.09	8.65	Lb	
	GL60TG	123B1522	5.68	1/5	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	95	170	436	1.81	527	521	2.09	9.07	Lc	
	GLY60RAa	123B1518	5.98	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	106	190	485	2.04	585	579	2.36	10.47	Lc	
	GLY60RAb	123B1519	5.98	1/5	HMBP	F	220-240V 50Hz	CSR	R	C-V	106	190	485	2.24	585	579	2.60	10.58	Lc	
	GUY60RAa	123B1608	6.00	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	126	221	540	2.32	646	641	2.70	9.04	Ub	
	GUY60RAb	123B1609	6.00	1/5	HMBP	F	220-240V 50Hz	CSR	R	C-V	126	222	545	2.53	653	648	2.95	9.16	Ub	
	GL80MG	123B1706	7.57	1/5	HBP	S	230V 50/60Hz	CSIR	R	C-V	-	286	576	1.78	714	694	2.10	9.53	Lc	
	GL80PB	123B1526	7.57	1/5	HMBP	F	220-240V 50Hz	RSIR	R	C	111	212	553	1.81	667	660	2.10	8.88	Lc	
	GL80TB	123B1527	7.57	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	111	212	553	1.81	667	660	2.10	9.19	Lc	
	GL80TG	123B1528	7.57	1/5	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	111	212	553	1.81	667	660	2.10	9.53	Lc	
	GLY80RAa	123B1524	8.10	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	159	275	680	2.16	818	810	2.51	10.10	Lc	
	GLY80RAb	123B1525	8.10	1/5	HMBP	F	220-240V 50Hz	CSR	R	C-V	159	275	680	2.33	818	810	2.71	10.21	Lc	
	GUY80RAa	123B1610	8.10	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	174	302	720	2.22	859	854	2.56	9.70	Ub	
	GUY80RAb	123B1611	8.10	1/4	HMBP	F	220-240V 50Hz	CSR	R	C-V	177	304	727	2.38	868	862	2.75	9.80	Ub	

Green Cooling Models
 New Models
(*) Or HFO1234yf
(**) Model under development. Provisional performance/data.
See design drawing on pages 40-41
(n) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

This table continues in the following page

R134a (*) HMBP | HBP • 50 Hz

	MODEL	DANFOSS CODE (α)	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-25	-15	5		10	7.2				
													W	COP		W	COP			
	GL90MG	123B1707	8.85	1/4	HBP	S	230V 50/60Hz	CSIR	R	C-V	-	328	661	1.79	810	793	2.10	10.61	Ld	
	GL90PB	123B1532	8.85	1/4	HMBP	F	220-240V 50Hz	RSIR	R	C	143	259	660	1.90	796	787	2.20	9.12	Ld	
	GL90TB	123B1533	8.85	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	143	259	660	1.90	796	787	2.20	9.66	Lc	
	GL90TG	123B1534	8.85	1/4	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	143	259	660	1.80	796	787	2.08	9.70	Ld	
	GLY90RAa	123B1530	9.09	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	169	298	748	2.05	901	891	2.37	10.74	Lc	
	GLY90RAb	123B1531	9.09	1/4	HMBP	F	220-240V 50Hz	CSR	R	C-V	169	298	748	2.25	901	891	2.61	10.84	Lc	
	GUY90RAa	123B1612	8.80	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	182	317	775	2.21	929	921	2.56	9.70	Ub	
	GUY90RAb	123B1613	8.80	1/4	HMBP	F	220-240V 50Hz	CSR	R	C-V	180	319	783	2.35	938	931	2.73	9.80	Ub	
	GL11TB	123B1591	9.95	1/3	HMBP	F	220-240V 50Hz	CSIR	R	C-V	190	330	817	1.92	981	972	2.23	9.97	Ld	
	GLY12RAa	123B1708	10.70	3/8	HBP	F	220-240V 50Hz	CSIR	R	C-V	-	349	867	1.97	1064	1042	2.30	10.23	Ld	
	GLY12RAb	123B1709	10.70	3/8	HBP	F	220-240V 50Hz	CSR	R	C-V	-	349	867	2.20	1064	1042	2.57	10.33	Ld	
	GLY12RGa	123B1710	10.70	3/8	HBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	-	349	867	1.87	1064	1042	2.19	10.43	Ld	
	GLY12RGb	123B1711	10.70	3/8	HBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	-	349	867	1.98	1064	1042	2.32	10.53	Ld	
	GPY12RAa	123B1536	12.10	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	228	401	992	2.03	1191	1181	2.35	13.31	Pd	
	GPY12RAb	123B1537	12.10	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	228	401	992	2.23	1191	1181	2.58	13.42	Pd	
	GP14TB	123B1712	14.17	3/8	HBP	F	220-240V 50Hz	CSIR	R	C-V	191	373	998	1.76	1208	1192	2.03	11.29	Pd	
	GP14TG	123B1539	14.17	3/8	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	190	373	998	1.76	1208	1192	2.03	11.98	Pd	
	GPY14RAa	123B1540	14.32	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	296	492	1161	1.97	1386	1377	2.27	12.20	Pd	
	GPY14RAb	123B1541	14.32	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	296	492	1161	2.16	1386	1377	2.50	12.30	Pd	
	GP16TB	123B1713	16.15	3/8	HBP	F	220-240V 50Hz	CSIR	R	C-V	-	476	1204	1.80	1451	1435	2.09	11.93	Pd	
	GP16TG	123B1714	16.15	3/8	HBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	-	476	1204	1.81	1451	1435	2.09	11.93	Pd	
	GPM16RA	123B1719	16.15	1/2	HBP	F	220-240V 50Hz	CSIR	R	C-V	-	543	1317	1.79	1574	1564	2.09	12.29	Pd	
	GPY16RAa	123B1542	16.15	1/2	HMBP	F	220-240V 50Hz	CSIR	R	C-V	307	542	1317	2.02	1574	1564	2.34	12.84	Pd	
	GPY16RAb	123B1543	16.15	1/2	HMBP	F	220-240V 50Hz	CSR	R	C-V	307	542	1317	2.15	1574	1564	2.50	12.94	Pd	
	GPT16RG	123B1715	16.15	1/2	HBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	-	552	1323	2.13	1600	1579	2.50	12.16	Pd	
	GPT18RA	123B1716	18.00	1/2	HBP	F	220-240V 50Hz	CSR	R	C-V	-	618	1482	2.06	1783	1765	2.39	12.68	Pd	
	GPT18RG	123B1720	18.00	1/2	HBP	F	200-220/230V 50/60Hz	CSR	R	C-V	-	596	1429	2.00	1719	1701	2.32	12.70	Pd	
	GX18TB	123B1544	18.40	1/2	HMBP	F	220-240V 50Hz	CSIR	R	C-V	286	539	1389	1.90	1673	1655	2.20	15.44	Xc	
	GX18TG	123B1545	18.40	1/2	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	286	539	1389	1.90	1673	1655	2.20	16.08	Xc	
	GX21TB	123B1546	20.72	5/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	323	603	1549	1.88	1866	1846	2.18	16.13	Xd	
	GX23TB	123B1547	23.20	5/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	368	677	1729	1.88	2082	2060	2.18	16.33	Xd	
	GX23TG	123B1548	23.20	5/8	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	368	677	1729	1.79	2082	2060	2.08	16.34	Xd	
	GS26T3	123B1551	25.93	3/4	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	265	703	2070	2.19	2514	2477	2.55	22.70	Sc	
	GS26TB	123B1549	25.93	3/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	265	703	2070	2.08	2514	2477	2.42	22.70	Sc	
	GS26TG	123B1550	25.93	3/4	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	265	703	2070	2.14	2514	2477	2.49	22.70	Sc	
	GS30TB	123B1552	29.95	7/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	317	785	2451	2.31	3019	2951	2.70	22.70	Sd	
	GS30TG	123B1553	29.95	7/8	HMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	317	785	2451	2.31	3019	2951	2.70	23.00	Sd	
	GS34TB	123B1554	34.42	1	HMBP	F	220-240V 50Hz	CSR	R	C-V	476	1068	2850	2.26	3420	3391	2.62	21.35	Sd	
	GS34TG	123B1614	34.42	1	HMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	467	992	2829	2.24	3453	3392	2.64	22.27	Sd	
	GL60TC	123B1523	5.68	1/5	HMBP	F	100V 50/60Hz	CSIR	R	C-V	95	170	436	1.72	527	521	2.01	10.38	Lc	
	GUY72RCa	123B1617	7.20	1/4	HMBP	F	100V 50/60Hz	CSIR	R	C-V	153	262	646	2.24	777	770	2.60	9.52	Uc	
	GUY72RCb	123B1618	7.20	1/4	HMBP	F	100V 50/60Hz	CSR	R	C-V	153	264	650	2.39	782	774	2.78	9.59	Uc	
	GL80TC	123B1529	7.57	1/5	HMBP	F	100V 50/60Hz	CSIR	R	C-V	111	212	553	1.85	667	660	2.21	10.98	Lc	
	GL90TC	123B1535	8.85	1/4	HMBP	F	100V 50/60Hz	CSIR	R	C-V	143	259	660	1.75	796	787	2.08	11.48	Ld	

 Green Cooling Models

 New Models

(*) Or HFO1234yf

See design drawing on pages 40-41

(α) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R134a (*) HMBP | HBP • 60 Hz

	MODEL	DANFOSS CODE (α)	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-25	-15	5		10	7.2				
													W	COP		W	COP			
	B25G	123B8117	2.60	1/14	HBP	S-F	220-240V 50/60Hz	RSIR	P	C	-	86	224	1.80	274	269	2.10	4.65	Bb	
	B38G	123B8125	3.80	1/8	HBP	S-F	220-240V 50/60Hz	CSIR	R	C-V	-	150	339	1.98	410	404	2.31	5.40	Bd	
	GL45TG	123B1517	4.56	1/6	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	89	157	400	1.65	483	477	1.92	9.15	Lb	
	GL45MG	123B1704	4.56	1/6	HBP	S	230V 50/60Hz	CSIR	R	C-V	-	204	398	1.65	487	477	1.92	9.37	Lb	
	GL60MG	123B1705	5.98	1/5	HBP	S	230V 50/60Hz	CSIR	R	C-V	-	243	499	1.73	619	602	2.02	9.00	Lc	
	GL60TG	123B1522	5.68	1/5	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	111	199	510	1.76	616	609	2.04	9.07	Lc	
	GL80MG	123B1706	7.57	1/5	HBP	S	230V 50/60Hz	CSIR	R	C-V	-	344	674	1.84	836	813	2.15	9.53	Lc	
	GL80TG	123B1528	7.57	1/5	HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	130	248	647	1.78	781	772	2.04	9.53	Lc	
	GL90MG	123B1707	8.85	1/4	HBP	S	230V 50/60Hz	CSIR	R	C-V	-	391	772	1.83	947	926	2.11	10.61	Ld	
	GL90TG	123B1534	8.85	1/4	HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	168	303	773	1.71	932	921	1.97	9.70	Ld	
	GLY12RGa	123B1710	10.70	3/8	HBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	-	405	1007	1.90	1216	1201	2.22	10.43	Ld	
	GLY12RGb	123B1711	10.70	3/8	HBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	-	405	1007	2.07	1216	1201	2.40	10.53	Ld	
	GP14TG	123B1539	14.17	3/8	HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	222	437	1168	1.76	1413	1395	2.03	11.98	Pd	
	GP16TG	123B1714	16.15	3/8	HBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	-	556	1408	1.74	1697	1678	2.00	11.93	Pd	
	GPT16RG	123B1715	16.15	1/2	HBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	-	650	1515	2.02	1827	1806	2.33	12.16	Pd	
	GPT18RG	123B1720	18.00	1/2	HBP	F	200-220/230V 50/60Hz	CSR	R	C-V	-	642	1586	1.91	1904	1887	2.21	12.70	Pd	
	GX18TG	123B1545	18.40	1/2	HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	333	630	1625	1.87	1957	1936	2.17	16.08	Xc	
	GX23TG	123B1548	23.20	5/8	HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	429	792	2021	1.71	2433	2407	1.98	16.34	Xd	
	GS26T3	123B1551	25.93	3/4	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	307	824	2419	2.07	2935	2894	2.40	22.70	Sc	
	GS26TG	123B1550	25.93	3/4	HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	307	824	2419	2.06	2935	2894	2.40	22.70	Sc	
	GS30TG	123B1553	29.95	7/8	HMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	370	920	2865	2.23	3527	3449	2.61	23.00	Sd	
	GS34TF	123B1590	34.42	1	HMBP	F	220-230V 60Hz	CSR	R	C-V	550	1247	3327	2.17	3990	3958	2.50	22.70	Sd	
	GS34TG	123B1614	34.42	1	HMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	440	1093	3248	2.11	3963	3895	2.44	22.27	Sd	
	B22G5	123B8116	2.20	1/16	HBP	S-F	110-115V 60Hz	RSIR	P	C	-	72	188	1.83	229	225	2.13	4.60	Bb	
	B25G5L	123B8119	2.60	1/14	HBP	S-F	110-115V 60Hz	CSIR	R	C-V	-	88	231	1.93	283	278	2.27	5.70	Be	
	B30G5	123B8122	3.10	1/12	HBP	S-F	110-115V 60Hz	RSIR	P	C	-	100	262	1.55	317	313	1.80	5.00	Bb	
	B35G5	123B8124	3.50	1/10	HBP	S-F	110-115V 60Hz	CSIR	R	C-V	-	120	304	1.80	371	365	2.12	5.00	Bb	
	B38G5L	123B8126	3.80	1/8	HBP	S-F	110-115V 60Hz	CSIR	R	C-V	-	136	353	1.83	424	420	2.13	5.70	Be	
	GL45PE	123B1568	4.56	1/6	HMBP	F	115V 60Hz	RSIR	R	C	89	157	400	1.59	483	477	1.84	8.87	Lb	
	GL45TE	123B1569	4.56	1/6	HMBP	F	115V 60Hz	CSIR	R	C-V	89	157	400	1.59	483	477	1.84	9.18	Lb	
	GL60PE	123B1570	5.68	1/5	HMBP	F	115V 60Hz	RSIR	R	C	111	199	510	1.73	616	609	2.01	9.97	Lc	
	GL80PE	123B1574	7.57	1/5	HMBP	F	115V 60Hz	RSIR	R	C	130	248	647	1.78	781	772	2.04	9.97	Lc	
	GL80TE	123B1575	7.57	1/5	HMBP	F	115V 60Hz	CSIR	R	C-V	130	248	647	1.78	781	772	2.04	10.68	Lc	
	GL60TE	123B1571	5.68	1/5	HMBP	F	115V 60Hz	CSIR	R	C-V	111	199	510	1.73	616	609	2.01	10.28	Lc	
	GLY80RDa	123B1572	8.10	1/5	HMBP	F	115V 60Hz	CSIR	R	C-V	169	299	775	2.02	939	926	2.34	10.33	Lc	
	GLY80RDb	123B1573	8.10	1/5	HMBP	F	115V 60Hz	CSR	R	C-V	169	299	775	2.17	939	926	2.51	10.43	Lc	
	GL90PE	123B1578	8.85	1/4	HMBP	F	115V 60Hz	RSIR	R	C	167	303	773	1.78	932	921	2.06	11.27	Ld	
	GL90TE	123B1579	8.85	1/4	HMBP	F	115V 60Hz	CSIR	R	C-V	167	303	773	1.78	932	921	2.06	9.75	Ld	
	GLY90RDa	123B1576	9.09	1/4	HMBP	F	115V 60Hz	CSIR	R	C-V	198	348	874	1.95	1053	1042	2.25	10.59	Lc	
	GLY90RDb	123B1577	9.09	1/4	HMBP	F	115V 60Hz	CSR	R	C-V	198	348	874	2.10	1053	1042	2.42	10.69	Lc	
	GLY12RRa	123B1601	10.70	3/8	HMBP	F	115-127V 60Hz	CSIR	R	C-V	222	402	1015	1.90	1221	1208	2.20	11.14	Ld	
	GLY12RRb	123B1599	10.70	3/8	HMBP	F	115-127V 60Hz	CSR	R	C-V	222	402	1015	2.01	1221	1208	2.32	11.24	Ld	
	GPY12RDa	123B1580	12.10	3/8	HMBP	F	115V 60Hz	CSIR	R	C-V	280	480	1150	1.95	1375	1366	2.25	12.03	Pd	
	GPY12RDb	123B1581	12.10	3/8	HMBP	F	115V 60Hz	CSR	R	C-V	280	480	1150	2.11	1375	1366	2.44	12.13	Pd	

 Green Cooling Models

 New Models

(*) Or HFO1234yf

See design drawing on pages 40-41

(a) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

This table continues in the following page

R134a (*) HMBP | HBP • 60 Hz

	MODEL	DANFOSS CODE (α)	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-25	-15	5		10	7.2				
													W	COP		W	COP			
	GPY14RDa	123B1584	14.32	1/2	HBP	F	115V 60Hz	CSIR	R	C-V	-	317	1234	1.78	2012	1698	2.22	12.03	Pd	
	GPY14RDb	123B1585	14.32	1/2	HBP	F	115V 60Hz	CSR	R	C-V	-	317	1234	1.89	2012	1698	2.36	12.13	Pd	
	GP16TE	123B1718	16.15	3/8	HBP	F	115V 60Hz	CSIR	R	C-V	-	556	1408	1.69	1697	1678	1.96	12.20	Pd	
	GPY16RDa	123B1588	16.15	1/2	HBP	F	115V 60Hz	CSIR	R	C-V	-	614	1518	1.88	1822	1806	2.17	12.05	Pd	
	GPY16RDb	123B1589	16.15	1/2	HBP	F	115V 60Hz	CSR	R	C-V	-	614	1518	2.00	1822	1806	2.31	12.15	Pd	
	GL60TC	123B1523	5.68	1/5	HMBP	F	100V 50/60Hz	CSIR	R	C-V	111	199	510	1.74	616	609	2.01	10.38	Lc	
	GL80TC	123B1529	7.57	1/5	HMBP	F	100V 50/60Hz	CSIR	R	C-V	130	248	647	1.92	781	772	2.22	10.98	Lc	
	GL90TC	123B1535	8.85	1/4	HMBP	F	100V 50/60Hz	CSIR	R	C-V	167	303	773	1.82	932	921	2.1	11.48	Ld	
	GUY72RCa	123B1617	7.20	1/4	HMBP	F	100V 50/60Hz	CSIR	R	C-V	184	319	765	2.18	913	907	2.51	9.52	Uc	
	GUY72RCb	123B1618	7.20	1/4	HMBP	F	100V 50/60Hz	CSR	R	C-V	181	318	772	2.35	923	917	2.72	9.59	Uc	

 Green Cooling Models
 New Models
(*) Or HFO1234yf
See design drawing on pages 40-41
(n) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

	Conditions			
	CECOMAF		ASHRAE	
	LBP	HMBP/HBP	LBP	HMBP/HBP
Evaporating temperature °C	-25	5	-23.3	7.2
Condensing temperature °C	55	55	55	55
Liquid temperature °C	55	55	32	46
Suction temperature °C	32	32	32	35
Ambient temperature °C	32	32	32	35

R404A/R507



R404A • R507 LBP • 50 Hz

	MODEL	DANFOSS CODE (m)	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-40	-30	-25		-10	-23.3				
													W	COP		W	COP			
cm ³	hp																Kg			
	ML45FB	123B2103	4.56	1/6	LBP	F	220-240V 50Hz	CSIR	R	C-V	52	100	133	0.66	274	197	0.94	8.57	Lb	
	ML45FG	123B2104	4.56	1/6	LBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	52	100	133	0.68	274	197	0.96	10.87	Lc	
✓	MLY45LAa	123B2105	4.56	1/6	LBP	F	220-240V 50Hz	CSIR	R	C-V	61	118	157	0.92	317	231	1.30	9.55	Lc	
✓	MLY45LAb	123B2106	4.56	1/6	LBP	F	220-240V 50Hz	CSR	R	C-V	61	118	157	0.98	317	231	1.38	9.65	Lc	
	ML60FB	123B2107	5.98	1/5	LBP	F	220-240V 50Hz	CSIR	R	C-V	69	139	186	0.85	371	273	1.20	8.88	Lc	
	ML60FG	123B2108	5.98	1/5	LBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	69	134	177	0.71	351	260	1.01	10.87	Lc	
✓	MLY60LAa	123B2109	5.98	1/5	LBP	F	220-240V 50Hz	CSIR	R	C-V	86	168	221	0.90	428	324	1.26	10.02	Lc	
✓	MLY60LAb	123B2110	5.98	1/5	LBP	F	220-240V 50Hz	CSR	R	C-V	86	168	221	0.96	428	324	1.36	10.12	Lc	
	ML80FB	123B2111	8.10	1/4	LBP	F	220-240V 50Hz	CSIR	R	C-V	99	189	251	0.77	505	369	1.09	9.47	Lc	
	ML80FG	123B2112	8.10	1/4	LBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	99	190	252	0.77	505	369	1.08	12.20	Ld	
✓	MLY80LAa	123B2113	8.10	1/4	LBP	F	220-240V 50Hz	CSIR	R	C-V	104	207	275	0.91	548	405	1.28	11.00	Ld	
✓	MLY80LAb	123B2114	8.10	1/4	LBP	F	220-240V 50Hz	CSR	R	C-V	104	207	275	0.98	548	405	1.38	11.10	Ld	
	ML90FB	123B2115	8.85	1/3	LBP	F	220-240V 50Hz	CSIR	R	C-V	104	207	275	0.83	548	405	1.16	9.74	Ld	
	ML90FG	123B2116	8.85	1/3	LBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	104	207	275	0.80	548	405	1.13	10.78	Ld	
✓	MLY90LAa	123B2117	9.09	1/3	LBP	F	220-240V 50Hz	CSIR	R	C-V	121	236	311	0.91	612	457	1.28	10.35	Ld	
✓	MLY90LAb	123B2118	9.09	1/3	LBP	F	220-240V 50Hz	CSR	R	C-V	121	236	311	0.98	612	457	1.38	10.45	Ld	
✓	MLY12LAa	123B2119	10.70	3/8	LBP	F	220-240V 50Hz	CSIR	R	C-V	156	294	387	0.94	762	567	1.33	10.85	Ld	
✓	MLY12LAb	123B2120	10.70	3/8	LBP	F	220-240V 50Hz	CSR	R	C-V	156	294	387	1.00	762	567	1.41	10.95	Ld	
✓	MLY12LGa	123B2121	10.70	3/8	LBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	165	297	387	0.83	756	567	1.17	11.06	Ld	
✓	MLY12LGb	123B2122	10.70	3/8	LBP	F	200-220/230V 50/60Hz	CSR	R	C-V	165	302	394	0.90	768	578	1.28	11.16	Ld	
✓	MPT12LA	123B2123	12.10	3/8	LBP	F	220-240V 50Hz	CSR	R	C-V	194	347	451	1.01	873	660	1.42	12.23	Pd	
	MP14FB	123B2124	14.17	1/2	LBP	F	220-240V 50Hz	CSIR	R	C-V	121	304	421	0.79	877	625	1.12	12.07	Pd	
	MP14FG	123B2125	14.17	1/2	LBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	121	303	420	0.79	877	624	1.12	12.03	Pd	
✓	MPT14LA	123B2126	14.32	1/2	LBP	F	220-240V 50Hz	CSR	R	C-V	242	419	534	0.99	984	775	1.38	12.25	Pd	
✓	MPT16LA	123B2127	16.15	1/2	LBP	F	220-240V 50Hz	CSR	R	C-V	245	462	605	1.00	1168	885	1.40	12.37	Pd	
✓	MPT18LA	123B2128	18.00	1/2	LBP	F	220-240V 50Hz	CSR	R	C-V	269	504	657	0.96	1260	961	1.35	12.81	Pd	
	MX18FBa	123B2129	18.40	5/8	LBP	F	220-240V 50Hz	CSR	R	C-V	173	396	546	0.96	1147	810	1.36	16.29	Xd	
	MX21FBa	123B2130	20.72	3/4	LBP	F	220-240V 50Hz	CSR	R	C-V	212	463	630	0.96	1296	932	1.35	16.66	Xd	
✓	MX21FGa	123B2186	20.72	3/4	LBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	212	463	630	0.96	1296	932	1.35	17.32	Xd	
	MX23FBa	123B2132	23.20	7/8	LBP	F	220-240V 50Hz	CSR	R	C-V	259	534	718	0.96	1455	1059	1.35	16.61	Xd	
✓	MX23FGa	123B2183	23.20	7/8	LBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	259	534	718	0.95	1455	1059	1.34	17.50	Xd	
	MS26FB	123B2134	25.93	3/4	LBP	F	220-240V 50Hz	CSR	R	C-V	182	571	814	0.97	1737	1215	1.37	21.63	Sd	
	MS26FG	123B2135	25.93	3/4	LBP	F	200-220/230V 50/60Hz	CSR	R	C-V	173	548	777	0.95	1626	1157	1.35	22.60	Sd	
	MS30FB	123B2137	29.95	7/8	LBP	F	220-240V 50Hz	CSR	R	C-V	207	656	932	0.95	1969	1390	1.35	22.70	Sd	
	MS34FB	123B2139	34.42	1	LBP	F	220-240V 50Hz	CSR	R	C-V	242	759	1083	0.95	2311	1617	1.35	22.13	Sd	
	MS26F3	123B2136	25.93	3/4	LBP	F	400/440V 50/60Hz	3PHASE	P	C-V	173	548	777	0.95	1626	1157	1.35	20.80	Sd	
	MS30F3	123B2138	29.95	7/8	LBP	F	400/440V 50/60Hz	3PHASE	P	C-V	207	655	931	0.93	1968	1389	1.32	24.00	Sd	
	MS34F3	123B2140	34.42	1	LBP	F	400/440V 50/60Hz	3PHASE	P	C-V	242	762	1085	0.99	2311	1620	1.40	22.90	Sd	

✓ Green Cooling Models

▲ New Models

See design drawing on pages 40-41

(†) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R404A • R507 LBP • 60 Hz

	MODEL	DANFOSS CODE (a)	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)						ASHRAE			
											-40	-30	-25		-10	-23.3				
													W	COP		W	COP			
cm ³	hp																Kg			
	ML45FG	123B2104	4.56	1/6	LBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	61	117	157	0.68	321	231	0.97	10.87	Lc	
	ML60FG	123B2108	5.98	1/5	LBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	81	157	207	0.70	411	304	0.99	10.87	Lc	
	ML80FG	123B2112	8.10	1/4	LBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	117	223	296	0.76	590	435	1.07	12.20	Ld	
	ML90FG	123B2116	8.85	1/3	LBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	121	242	323	0.80	642	475	1.12	10.78	Ld	
✓	MLY12LFa	123B2179	10.70	3/8	LBP	F	208-230V 60Hz	CSIR	R	C-V	179	343	451	0.92	882	662	1.29	11.06	Ld	
✓	MLY12LFb	123B2180	10.70	3/8	LBP	F	208-230V 60Hz	CSR	R	C-V	179	343	451	0.94	882	662	1.33	11.16	Ld	
✓	MLY12LGa	123B2121	10.70	3/8	LBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	190	351	458	0.86	884	670	1.22	11.06	Ld	
✓	MLY12LGb	123B2122	10.70	3/8	LBP	F	200-220/230V 50/60Hz	CSR	R	C-V	190	357	466	0.91	889	681	1.29	11.16	Ld	
	MP14FG	123B2125	14.17	1/2	LBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	142	355	492	0.82	1026	730	1.15	12.03	Pd	
✓	MPT14LF	123B2156	14.32	1/2	LBP	F	208-230V 60Hz	CSR	R	C-V	262	474	621	0.96	1223	891	1.36	12.30	Pd	
▲	MX21FGa	123B2186	20.72	3/4	LBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	247	540	735	0.94	1515	1088	1.32	17.32	Xd	
▲	MX23FGa	123B2183	23.20	7/8	LBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	303	627	843	0.93	1711	1244	1.32	17.50	Xd	
	MS26FF	123B2157	25.93	3/4	LBP	F	208-230V 60Hz	CSR	R	C-V	202	641	909	0.91	1902	1354	1.30	22.60	Sd	
	MS26FG	123B2135	25.93	3/4	LBP	F	200-220/230V 50/60Hz	CSR	R	C-V	202	641	909	0.92	1902	1354	1.31	22.60	Sd	
	MS30FF	123B2158	29.95	7/8	LBP	F	208-230V 60Hz	CSR	R	C-V	242	763	1086	0.92	2302	1620	1.31	22.70	Sd	
	MS34FF	123B2174	34.42	1	LBP	F	208V 60Hz	CSR	R	C-V	272	838	1216	0.91	2738	1829	1.30	22.90	Sd	
	MS26F3	123B2136	25.93	3/4	LBP	F	400/440V 50/60Hz	3PHASE	P	C-V	202	641	909	0.92	1902	1354	1.31	20.80	Sd	
	MS30F3	123B2138	29.95	7/8	LBP	F	400/440V 50/60Hz	3PHASE	P	C-V	242	763	1086	0.94	2302	1620	1.32	24.00	Sd	
	MS34F3	123B2140	34.42	1	LBP	F	400/440V 50/60Hz	3PHASE	P	C-V	277	885	1263	0.96	2696	1887	1.35	22.90	Sd	
	ML45FR	123B2160	4.56	1/6	LBP	F	115-127V 60Hz	CSIR	R	C-V	61	117	157	0.72	321	231	1.01	9.21	Lc	
✓	MLY45LRa	123B2141	4.56	1/6	LBP	F	115-127V 60Hz	CSIR	R	C-V	64	143	192	0.87	379	282	1.23	9.20	Lc	
✓	MLY45LRb	123B2142	4.56	1/6	LBP	F	115-127V 60Hz	CSR	R	C-V	64	143	192	0.90	379	282	1.27	9.30	Lc	
	ML60FR	123B2143	5.98	1/5	LBP	F	115-127V 60Hz	CSIR	R	C-V	81	157	207	0.72	411	304	1.01	9.54	Lc	
✓	MLY60Lda	123B2144	5.98	1/5	LBP	F	115V 60Hz	CSIR	R	C-V	102	197	259	0.89	501	380	1.25	10.40	Lc	
✓	MLY60Ldb	123B2145	5.98	1/5	LBP	F	115V 60Hz	CSR	R	C-V	102	197	259	0.95	501	380	1.34	10.50	Lc	
	ML80FR	123B2146	8.10	1/4	LBP	F	115-127V 60Hz	CSIR	R	C-V	117	223	296	0.75	590	435	1.05	11.97	Ld	
	ML90FR	123B2147	8.85	1/3	LBP	F	115-127V 60Hz	CSIR	R	C-V	121	242	323	0.79	642	475	1.11	11.97	Ld	
✓	MLT90CD	123B2149	9.09	1/3	LBP	F	115V 60Hz	RSCR	P	C	164	290	382	1.03	770	561	1.45	11.40	Ld	
✓	MLT90CDc	123B2150	9.09	1/3	LBP	S	115V 60Hz	CSR	R	C-V	159	284	373	0.99	750	549	1.40	11.55	Ld	
✓	MLT90LD	123B2148	9.09	1/4	LBP	F	115V 60Hz	CSR	R	C-V	159	284	373	0.99	750	549	1.40	11.80	Ld	
✓	MLY12LRa	123B2181	10.70	3/8	LBP	F	115-127V 60Hz	CSIR	R	C-V	199	373	478	0.96	866	694	1.34	11.01	Ld	
✓	MLY12LRb	123B2182	10.70	3/8	LBP	F	115-127V 60Hz	CSR	R	C-V	200	369	476	1.00	890	694	1.41	11.11	Ld	
✓	MPT12CD	123B2153	12.10	3/8	LBP	F	115V 60Hz	RSCR	P	C	225	397	515	1.01	993	752	1.41	12.35	Pd	
✓	MPT12LD	123B2152	12.10	3/8	LBP	F	115V 60Hz	CSR	R	C-V	225	397	515	1.01	993	752	1.41	13.50	Pd	
✓	MPT14LD	123B2155	14.32	1/2	LBP	F	115V 60Hz	CSR	R	C-V	258	453	590	0.96	1156	863	1.35	12.17	Pd	
✓	MPT16LD	123B2184	16.10	1/2	LBP	F	115V 60Hz	CSR	R	C-V	272	492	645	0.91	1270	926	1.30	12.50	Pd	
▲	MX21FR	123B2185	20.72	3/4	LBP	F	115-127V 60Hz	CSR	R	C-V	247	627	768	0.98	1001	1088	1.32	17.56	Xd	

✓ Green Cooling Models

▲ New Models

See design drawing on pages 40-41

(a) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R404A • R507 HMBP | HBP • 50 Hz

	MODEL	DANFOSS CODE (1)	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY						WEIGHT Kg	DESIGN		
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)				ASHRAE					
											-25	-15	5		10	7.2				
											W	COP		W	COP					
	ML40TB	123B2501	4.05	1/6	HMBP	F	220-240V 50Hz	CSIR	R	C-V	132	212	470	1.41	555	590	1.74	9.47	Lc	
	ML40TG	123B2502	4.05	1/6	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	132	212	470	1.41	555	590	1.74	9.12	Lc	
	ML45TB	123B2503	4.56	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	150	237	525	1.47	621	660	1.82	9.10	Lc	
	ML45TG	123B2504	4.56	1/5	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	150	237	525	1.47	621	660	1.82	10.57	Lc	
	MLT45RG	123B2546	4.56	1/5	HMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	169	268	594	1.88	702	747	2.33	10.60	Ld	
	ML60TB	123B2507	5.68	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	165	276	643	1.50	765	810	1.85	9.29	Lc	
	ML60TG	123B2508	5.68	1/4	HMBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	165	276	643	1.50	765	810	1.85	10.57	Lc	
	MLY60RAa	123B2505	5.98	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	210	344	761	1.74	896	955	2.15	10.49	Lc	
	MLY60RAb	123B2506	5.98	1/4	HMBP	F	220-240V 50Hz	CSR	R	C-V	210	344	761	1.91	896	955	2.36	10.59	Lc	
	MLY60RGa	123B2550	5.98		HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	215	341	765	1.85	907	963	2.29	10.24	Lc	
	MLY60RGb	123B2551	5.98		HMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	216	352	778	2.00	916	976	2.48	10.34	Lc	
	ML80TB	123B2511	7.57	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	225	383	875	1.61	1034	1100	1.99	9.68	Ld	
	ML80TG	123B2512	7.57	3/8	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	225	383	875	1.61	1034	1100	1.99	11.81	Ld	
	MLY80RAa	123B2509	8.10	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	280	461	1049	1.84	1243	1319	2.27	11.29	Ld	
	MLY80RAb	123B2510	8.10	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	280	461	1049	1.99	1243	1319	2.46	11.39	Ld	
	ML90TB	123B2515	8.85	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	280	461	1049	1.61	1243	1319	1.98	12.31	Ld	
	ML90TG	123B2516	8.85	3/8	HMBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	280	461	1049	1.61	1243	1319	1.98	11.29	Ld	
	MLY90RAa	123B2513	9.09	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	316	509	1125	1.73	1327	1412	2.13	11.34	Ld	
	MLY90RAb	123B2514	9.09	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	316	508	1129	1.89	1333	1418	2.34	11.44	Ld	
	MLT12RA	123B2540	10.70	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	396	632	1379	1.88	1622	1729	2.31	11.59	Ld	
	MLT12RG	123B2532	10.70	3/8	HMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	365	601	1337	1.83	1576	1678	2.26	12.24	Ld	
	MPT12RA	123B2518	12.10	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	437	723	1559	1.91	1823	1950	2.35	12.20	Pd	
	MPT12RG	123B2703	12.10	3/8	HBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	-	689	1489	1.87	1769	1875	2.33	12.89	Pd	
	MPT14RA	123B2704	14.32	1/2	HBP	F	220-240V 50Hz	CSR	R	C-V	-	789	1750	1.78	2068	2199	2.20	12.25	Pd	
	MX16TBa	123B2706	16.03	7/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	481	814	1868	1.74	2212	2350	2.15	16.33	Xd	
	MX18TBa	123B2707	18.40	7/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	551	932	2143	1.76	2540	2697	2.18	16.33	Xd	
	MX18TGa	123B2541	18.40	7/8	HMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	551	932	2143	1.76	2540	2697	2.18	16.24	Xd	
	MX21TBa	123B2708	20.72	1	HMBP	F	220-240V 50Hz	CSR	R	C-V	620	1046	2410	1.74	2856	3032	2.15	16.52	Xd	
	MX21TGa	123B2714	20.72	1	HMBP	F	200-220/230V 50/60Hz	CSR	R	C-V	621	1047	2409	1.74	2857	3032	2.15	17.16	Xd	
	MS22TB	123B2521	21.75	1	HMBP	F	220-240V 50Hz	CSR	R	C-V	451	967	2550	2.02	3060	3228	2.50	20.51	Sc	
	MS26TB	123B2523	25.93	1 3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	671	1288	3164	2.00	3767	3991	2.46	22.12	Sd	
	MS26TG	123B2524	25.93	1 3/8	HMBP	F	200-220/230V 50/60Hz	CSR	R	C-V	671	1289	3166	2.00	3769	3993	2.46	23.00	Sd	
	MS34TB	123B2710	34.42	1 5/8	HBP	F	220-240V 50Hz	CSR	R	C-V	-	1850	4205	1.89	4930	5266	2.30	22.21	Sd	
	MS34TG	123B2711	34.42	1 5/8	HBP	F	200-220/230V 50/60Hz	CSR	R	C-V	-	1850	4205	1.89	4930	5266	2.30	22.78	Sd	
	MS18T3	123B2520	18.10	7/8	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	421	834	2124	1.89	2543	2685	2.35	20.00	Sb	
	MS22T3	123B2522	21.75	1	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	451	970	2560	1.98	3072	3241	2.45	20.00	Sb	
	MS26T3	123B2525	25.93	1 3/8	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	671	1289	3166	1.98	3769	3993	2.45	18.60	Sd	
	MS34T3	123B2526	34.42	1 5/8	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	1002	1850	4205	1.79	4930	5266	2.20	22.80	Sd	

 Green Cooling Models

 New Models

See design drawing on pages 40-41

(1) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R404A • R507 HMBP | HBP • 60 Hz

	MODEL	DANFOSS CODE (†)	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-25	-15	5		10	7.2				
													W	COP	10	W	COP			
	ML40TG	123B2502	4.05	1/6	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	155	248	553	1.39	653	694	1.70	9.12	Lc	
	ML45TG	123B2504	4.56	1/5	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	176	277	614	1.42	726	772	1.74	10.57	Lc	
	MLT45RG	123B2546	4.56	1/5	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	197	310	687	1.80	812	865	2.21	10.60	Ld	
	ML60TG	123B2508	5.68	1/4	HMBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	193	323	753	1.49	896	949	1.83	10.57	Lc	
	MLY60RGa	123B2550	5.98		HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	257	407	889	2.05	1048	1108	2.14	10.24	Lc	
	MLY60RGb	123B2551	5.98		HMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	258	416	897	1.89	1051	1123	2.33	10.34	Lc	
	ML80TG	123B2512	7.57	3/8	HMBP	F	200-240/220-230V 50/60Hz	CSIR	R	C-V	263	448	1022	1.59	1208	1285	1.96	11.81	Ld	
	ML90TG	123B2516	8.85	3/8	HMBP	F	200-220/230V 50/60Hz	CSIR	R	C-V	329	539	1227	1.54	1454	1544	1.89	11.29	Ld	
	MLT12RG	123B2532	10.70	3/8	HMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	441	702	1553	1.75	1833	1950	2.16	12.24	Ld	
	MPT12RG	123B2703	12.10	3/8	HBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	-	795	1725	1.79	2043	2169	2.22	12.89	Pd	
	MPT14RF	123B2543	14.32	1/2	HBP	F	208-230V 60Hz	CSR	R	C-V	-	912	1979	1.58	2344	2488	1.95	12.50	Pd	
	MX18TGa	123B2541	18.40	7/8	HMBP	F	200-240/220-230V 50/60Hz	CSR	R	C-V	644	1090	2507	1.74	2972	3155	2.15	16.24	Xd	
	MX21TGa	123B2714	20.72	1	HMBP	F	200-220/230V 50/60Hz	CSR	R	C-V	726	1211	2781	1.72	3299	3501	2.12	17.16	Xd	
	MS18T3	123B2520	18.10	7/8	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	491	971	2471	1.82	2959	3125	2.25	20.00	Sb	
	MS22T3	123B2522	21.75	1	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	527	1135	2995	1.94	3595	3792	2.40	20.00	Sb	
	MS26T3	123B2525	25.93	1 3/8	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	785	1508	3705	1.84	4411	4672	2.25	18.60	Sd	
	MS26TG	123B2524	25.93	1 3/8	HMBP	F	200-220/230V 50/60Hz	CSR	R	C-V	785	1508	3705	1.93	4411	4672	2.37	23.00	Sd	
	MS34T3	123B2526	34.42	1 5/8	HMBP	F	400/440V 50/60Hz	3PHASE	P	C-V	1172	2164	4916	1.71	5764	6157	2.10	22.80	Sd	
	MS34TG	123B2711	34.42	1 5/8	HBP	F	200-220/230V 50/60Hz	CSR	R	C-V	-	1170	4385	1.63	6578	6157	2.10	22.78	Sd	
	ML60TR	123B2529	5.68	1/4	HMBP	F	115-127V 60Hz	CSIR	R	C-V	193	323	753	1.48	896	949	1.83	10.58	Lc	
	MLY60RDa	123B2527	5.98	1/4	HMBP	F	115V 60Hz	CSIR	R	C-V	250	408	900	1.70	1059	1128	2.10	10.55	Lc	
	MLY60RDb	123B2528	5.98	1/4	HMBP	F	115V 60Hz	CSR	R	C-V	250	408	900	1.83	1059	1128	2.27	10.65	Lc	
	MLY80RDa	123B2530	8.10	3/8	HMBP	F	115V 60Hz	CSIR	R	C-V	329	541	1224	1.75	1449	1539	2.15	11.21	Ld	
	MLY80RDb	123B2531	8.10	3/8	HMBP	F	115V 60Hz	CSR	R	C-V	329	541	1224	1.81	1449	1539	2.22	11.31	Ld	
	MLT12RR	123B2547	10.70	1/2	HMBP	F	115-127V 60Hz	CSR	R	C-V	463	736	1560	1.75	1825	1951	2.15	11.96	Ld	
	MPT14RD**	123B2544	14.32	1/2	HBP	F	115-127V 60Hz	CSR	R	C-V	-	957	2028	1.55	2372	2537	1.90	12.10	Pd	
	MX16TE	123B2548	16.03	7/8	HMBP	F	115V 60Hz	CSR	R	C-V	561	949	2185	1.62	2589	2749	2.00	17.20	Xd	
	MX18TE	123B2545	18.40	7/8	HMBP	F	115V 60Hz	CSR	R	C-V	644	1090	2507	1.62	2972	3155	2.00	17.20	Xd	

 Green Cooling Models

 New Models

See design drawing on pages 40-41

(†) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

(**) Model under development. Provisional performance/data.

	Conditions			
	CECOMAF		ASHRAE	
	LBP	HMBP/HBP	LBP	HMBP/HBP
Evaporating temperature °C	-25	5	-23.3	7.2
Condensing temperature °C	55	55	55	55
Liquid temperature °C	55	55	32	46
Suction temperature °C	32	32	32	35
Ambient temperature °C	32	32	32	35

R290/R600a



Danfoss Light Commercial Refrigeration Compressors

R290 LBP • 50 Hz

Natural Refrigerant

	MODEL	DANFOSS CODE (α)	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-40	-30	-25		-10	-23.3				
													W	COP		W	COP			
	NBC25CA (**)	123B8301	2.60	1/12	LBP	S	220-240V/50Hz	RSIR	R	C	32	57	74	1.00	143	100	1.30	5.90	Be	
	NBG25CA (**)	123B8302	2.60	1/12	LBP	S	220-240V/50Hz	RSCR	R	C	32	57	74	1.17	143	100	1.52	6.00	Be	
	NBC35NA	123B8303	3.50	1/8	LMBP	S	220-240V/50Hz	RSIR	R	C	47	83	108	1.00	209	145	1.30	5.90	Be	
	NBG35CA (**)	123B8304	3.50	1/8	LBP	S	220-240V/50Hz	RSCR	R	C	47	83	108	1.20	209	145	1.55	6.00	Be	
	NBC41NA (**)	123B8305	4.10	1/7	LBP	S	220-240V/50Hz	RSIR	R	C	58	103	134	1.00	259	179	1.30	5.90	Be	
	NBG41CA (**)	123B8306	4.10	1/7	LMBP	S	220-240V/50Hz	RSCR	R	C	58	103	134	1.20	259	181	1.55	6.00	Be	
	NLY45LAa	123B3102	4.56	1/6	LBP	F	220-240V 50Hz	CSIR	R	C-V	62	116	152	1.04	298	204	1.35	10.25	Lc	
	NLY45LAb	123B3103	4.56	1/6	LBP	F	220-240V 50Hz	CSR	R	C-V	62	116	152	1.11	298	204	1.44	10.35	Lc	
	NUY45LAa	123B3143	4.50	1/5	LBP	F	220-240V 50Hz	CSIR	R	C-V	65	122	159	1.21	306	213	1.57	9.30	Ub	
	NUY45LAb	123B3144	4.50	1/5	LBP	F	220-240V 50Hz	CSR	R	C-V	66	123	161	1.26	311	215	1.64	9.45	Ub	
	NUT55CAa	123B3104	5.50	1/5	LBP	F	220-240V 50Hz	RSIR	P	C	88	152	196	1.27	382	263	1.64	9.10	Ub	
	NUT55CAb	123B3105	5.50	1/5	LBP	F	220-240V 50Hz	RSCR	P	C	88	152	196	1.39	382	263	1.80	9.21	Ub	
	NUT55Cac	123B3141	5.50	1/5	LBP	S	220-240V 50Hz	RSIR	P	C	88	152	196	1.27	382	263	1.64	9.10	Ub	
	NUT55Cad	123B3142	5.50	1/5	LBP	S	220-240V 50Hz	RSCR	P	C	88	152	196	1.39	382	263	1.80	9.21	Ub	
	NLY60LAa	123B3106	5.98	1/5	LBP	F	220-240V 50Hz	CSIR	R	C-V	85	152	198	1.03	389	266	1.33	9.67	Lc	
	NLY60LAb	123B3107	5.98	1/5	LBP	F	220-240V 50Hz	CSR	R	C-V	85	152	198	1.10	389	266	1.42	9.77	Lc	
	NUY60LAa	123B3157	5.98	1/5	LBP	F	220-240V 50Hz	CSIR	R	C-V	92	165	215	1.21	420	289	1.56	9.67	Lc	
	NUY60LAb	123B3158	5.98	1/5	LBP	F	220-240V 50Hz	CSR	R	C-V	97	160	220	1.27	425	295	1.64	9.77	Lc	
	NUT60CAa	123B3110	6.00	1/4	LBP	F	220-240V 50Hz	RSIR	P	C	101	175	226	1.30	431	302	1.68	9.20	Ub	
	NUT60CAb	123B3111	6.00	1/4	LBP	F	220-240V 50Hz	RSCR	P	C	101	175	226	1.41	431	302	1.82	9.31	Ub	
	NUT60Cac	123B3145	6.00	1/4	LBP	S	220-240V 50Hz	RSIR	P	C	101	175	226	1.30	431	302	1.68	9.20	Ub	
	NUT60Cad	123B3146	6.00	1/4	LBP	S	220-240V 50Hz	RSCR	P	C	101	175	226	1.41	431	302	1.82	9.31	Ub	
	NUT70CAa	123B3112	6.70	1/4	LBP	F	220-240V 50Hz	RSIR	P	C	109	195	250	1.30	463	333	1.68	9.20	Ub	
	NUT70CAb	123B3113	6.70	1/4	LBP	F	220-240V 50Hz	RSCR	P	C	109	195	250	1.39	463	333	1.80	9.41	Ub	
	NLY75LAa	123B3153	7.36	1/4	LBP	F	220-240V 50Hz	CSIR	R	C-V	109	199	255	1.07	467	339	1.38	10.24	Ld	
	NLY75LAb	123B3154	7.36	1/4	LBP	F	220-240V 50Hz	CSR	R	C-V	110	196	254	1.17	490	340	1.52	10.34	Ld	
	NLY75NGa	123B3307	7.36	1/4	LMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	91	149	200	1.01	443	272	1.30	10.41	Ld	
	NLY75NGb	123B3308	7.36	1/4	LMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	91	174	231	1.09	464	311	1.33	10.51	Ld	
	NLY80LAa	123B3114	8.10	1/4	LBP	F	220-240V 50Hz	CSIR	R	C-V	113	201	264	1.04	525	354	1.35	10.27	Ld	
	NLY80LAb	123B3115	8.10	1/4	LBP	F	220-240V 50Hz	CSR	R	C-V	113	201	264	1.10	525	354	1.43	10.37	Ld	
	NUY80LAa	123B3171	8.10	1/4	LBP	F	220-240V 50Hz	CSIR	R	C-V	122	217	285	1.15	566	382	1.50	10.28	Uc	
	NLY90LAa	123B3116	9.09	1/3	LBP	F	220-240V 50Hz	CSIR	R	C-V	130	236	307	1.06	591	411	1.37	10.32	Ld	
	NLY90LAb	123B3117	9.09	1/3	LBP	F	220-240V 50Hz	CSR	R	C-V	130	236	307	1.11	591	411	1.44	10.42	Ld	
	NLY90CAa	123B3173	9.09	1/3	LBP	F	220-240V 50Hz	RSIR	P	C	130	236	307	1.06	591	411	1.37	10.32	Ld	
	NLY90Cab	123B3174	9.09	1/3	LBP	F	220-240V 50Hz	RSCR	P	C	130	236	307	1.11	591	411	1.44	10.42	Ld	
	NUY90LAa	123B3159	8.90	1/3	LBP	F	220-240V 50Hz	CSIR	R	C-V	157	267	338	1.21	614	449	1.55	10.32	Uc	
	NUY90LAb	123B3160	8.90	1/3	LBP	F	220-240V 50Hz	CSR	R	C-V	158	270	342	1.28	625	455	1.64	10.32	Uc	
	NUY90CAa	123B3163	8.90	1/3	LBP	F	220-240V 50Hz	RSIR	P	C-V	157	267	338	1.21	614	449	1.55	10.32	Uc	
	NUY90CAb	123B3164	8.90	1/3	LBP	F	220-240V 50Hz	RSCR	P	C-V	158	270	342	1.28	625	455	1.64	10.32	Uc	
	NLY12LAa	123B3118	10.7	3/8	LBP	F	220-240V 50Hz	CSIR	R	C-V	163	283	364	0.96	689	486	1.24	11.21	Ld	
	NLY12LAb	123B3119	10.7	3/8	LBP	F	220-240V 50Hz	CSR	R	C-V	163	283	364	1.01	689	486	1.31	11.31	Ld	
	NLY12NGa	123B3305	10.7	3/8	LMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	168	288	371	0.98	715	497	1.28	11.04	Ld	
	NLY12NGb	123B3306	10.7	3/8	LMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	171	287	371	1.06	726	497	1.31	11.14	Ld	
	NPY12LAa	123B3120	12.1	3/8	LBP	F	220-240V 50Hz	CSIR	R	C-V	174	309	402	1.05	783	538	1.35	12.13	Pd	
	NPY12LAb	123B3121	12.1	3/8	LBP	F	220-240V 50Hz	CSR	R	C-V	174	309	402	1.15	783	538	1.49	12.23	Pd	
	NPY14LAa	123B3122	14.32	1/2	LBP	F	220-240V 50Hz	CSIR	R	C-V	217	376	485	1.05	928	648	1.35	12.17	Pd	

 Green Cooling Models

 New Models

(**) Model under development. Provisional performance/data.

See design drawing on pages 40-41

(a) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

This table continues in the following page

Danfoss Light Commercial Refrigeration Compressors

R290 LBP • 50 Hz

Natural Refrigerant

	MODEL	DANFOSS CODE (a)	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)						ASHRAE			
											-40	-30	-25		-10	-23.3				
W	COP	W	COP																	
	NPY14LAb	123B3123	14.32	1/2	LBP	F	220-240V 50Hz	CSR	R	C-V	217	376	485	1.14	928	648	1.48	12.27	Pd	
	NPT16LA	123B3124	16.15	1/2	LBP	F	220-240V 50Hz	CSR	R	C-V	254	440	564	1.16	1062	752	1.50	12.17	Pd	
	NPT18LA	123B3125	18.00	1/2	LBP	F	220-240V 50Hz	CSR	R	C-V	269	473	611	1.13	1165	816	1.46	12.30	Pd	
	NX18FBa	123B3126	18.40	3/4	LBP	F	220-240V 50Hz	CSR	R	C-V	243	471	611	1.11	1137	816	1.44	16.41	Xd	
	NX21FBa	123B3127	20.72	3/4	LBP	F	220-240V 50Hz	CSR	R	C-V	267	517	675	1.11	1275	903	1.44	16.99	Xd	
	NX23FBa	123B3128	23.20	7/8	LBP	F	220-240V 50Hz	CSR	R	C-V	297	572	746	1.09	1411	998	1.41	16.75	Xd	
	NS26FB	123B3166	25.93	7/8	LBP	F	220-240V 50Hz	CSR	R	C-V	199	580	765	1.04	1448	1024	1.35	22.60	Sd	
	NS34FB	123B3167	34.42	1	LBP	F	220-240V 50Hz	CSR	R	C-V	257	750	990	1.04	1873	1325	1.35	23.00	Sd	

R290 LBP | LMBP • 60 Hz

Natural Refrigerant

	MODEL	DANFOSS CODE (α)	DISPLACEMENT cm³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-40	-30	-25		-10	-23.3				
													W	COP		W	COP			
	NBC30NR	123B8311	3.10	1/10	LMBP	F	115-127V 60Hz	CSIR	R	C-V	46	88	117	1.07	241	159	1.39	5.80	Bd	
	NLY45LRa	123B3129	4.56	1/6	LBP	F	115-127V 60Hz	CSIR	R	C-V	70	133	177	1.00	364	240	1.30	9.21	Lc	
	NLY45LRb	123B3130	4.56	1/6	LBP	F	115-127V 60Hz	CSR	R	C-V	68	149	184	1.07	263	240	1.38	9.31	Lc	
	NUY45NRa	123B3170	4.50	1/6	LMBP	F	115-127V 60Hz	CSIR	R	C-V	73	159	196	1.13	280	255	1.46	8.00	Ub	
	NUY45NRb	123B3314	4.50	1/6	LMBP	F	115-127V 60Hz	CSIR	R	C-V	73	137	182	1.23	369	245	1.60	9.19	Ub	
	NUT55LRa	123B3147	5.50	1/5	LBP	F	115-127V 60Hz	CSIR	R	C-V	110	189	243	1.24	460	324	1.60	9.47	Ub	
	NUT55LRb	123B3148	5.50	1/5	LBP	F	115-127V 60Hz	CSR	R	C-V	110	193	247	1.34	463	330	1.73	9.54	Ub	
	NUT55LRc	123B3155	5.50	1/5	LBP	S	115-127V 60Hz	CSIR	R	C-V	110	189	243	1.24	460	324	1.60	9.47	Ub	
	NUT55LRd	123B3156	5.50	1/5	LBP	S	115-127V 60Hz	CSR	R	C-V	110	193	247	1.34	463	330	1.73	9.54	Ub	
	NLY60LRa	123B3131	5.98	1/5	LBP	F	115-127V 60Hz	CSIR	R	C-V	106	200	260	1.10	492	347	1.42	10.07	Lc	
	NLY60LRb	123B3132	5.98	1/5	LBP	F	115-127V 60Hz	CSR	R	C-V	106	200	260	1.18	492	347	1.53	10.17	Lc	
	NUT60LRa	123B3149	6.00	1/3	LBP	F	115-127V 60Hz	CSIR	R	C-V	122	207	266	1.24	508	355	1.60	9.40	Ub	
	NUT60LRb	123B3150	6.00	1/3	LBP	F	115-127V 60Hz	CSR	R	C-V	122	213	273	1.34	513	365	1.73	9.50	Ub	
	NUT60LRc	123B3151	6.00	1/3	LBP	S	115-127V 60Hz	CSIR	R	C-V	122	207	266	1.24	508	355	1.60	9.40	Ub	
	NUT60LRd	123B3152	6.00	1/3	LBP	S	115-127V 60Hz	CSR	R	C-V	122	213	273	1.34	513	365	1.73	9.50	Ub	
	NLY75NRa	123B3301	7.36	1/4	LMBP	F	115-127V 60Hz	CSIR	R	C-V	129	230	295	1.05	546	394	1.32	10.34	Ld	
	NLY75NRb	123B3302	7.36	1/4	LMBP	F	115-127V 60Hz	CSR	R	C-V	137	240	308	1.13	601	411	1.46	10.27	Ld	
	NLY80LRa	123B3133	8.10	1/4	LBP	F	115-127V 60Hz	CSIR	R	C-V	139	246	322	1.06	636	432	1.37	9.57	Lc	
	NLY80LRb	123B3134	8.10	1/4	LBP	F	115-127V 60Hz	CSR	R	C-V	139	246	322	1.13	636	432	1.46	9.67	Lc	
	NLY90NRa	123B3309	9.09	1/3	LMBP	F	115-127V 60Hz	CSIR	R	C-V	153	275	359	1.05	704	483	1.36	11.20	Ld	
	NLY90NRb	123B3310	9.09	1/3	LMBP	F	115-127V 60Hz	CSR	R	C-V	153	275	359	1.12	704	483	1.44	11.20	Ld	
	NLY12NRa	123B3303	12.10	3/8	LMBP	F	115-127V 60Hz	CSIR	R	C-V	185	328	430	1.12	843	579	1.45	11.65	Ld	
	NLY12NRb	123B3304	12.10	3/8	LMBP	F	115-127V 60Hz	CSR	R	C-V	193	342	448	1.20	843	602	1.51	11.65	Ld	
	NPY12LRa	123B3137	12.10	3/8	LBP	F	115-127V 60Hz	CSIR	R	C-V	199	362	473	1.04	927	634	1.35	11.77	Pd	
	NPY12LRb	123B3138	12.10	3/8	LBP	F	115-127V 60Hz	CSR	R	C-V	199	362	473	1.11	927	634	1.44	11.87	Pd	
	NPT16LR	123B3165	16.15	3/4	LBP	F	115-127V 60Hz	CSR	R	C-V	276	478	618	1.08	1204	828	1.41	12.70	Pd	
	NLY75NGa	123B3307	7.36	1/4	LMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	111	204	270	1.03	544	363	1.34	10.40	Ld	
	NLY75NGb	123B3308	7.36	1/4	LMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	111	205	271	1.11	551	366	1.45	10.50	Ld	
	NLY12NGa	123B3305	10.7	3/8	LMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	197	339	439	1.09	848	587	1.41	11.00	Ld	
	NLY12NGb	123B3306	10.7	3/8	LMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	207	342	439	1.15	850	587	1.49	11.10	Ld	

 Green Cooling Models
 New Models

See design drawing on pages 40-41
(a) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

Danfoss Light Commercial Refrigeration Compressors

R290 HMBP | HBP • 50 Hz Natural Refrigerant

	MODEL	DANFOSS CODE (α)	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-25	-15	5		10	7.2				
			cm ³	hp									W	COP		W	COP	Kg		
	NBC22RA	123B8309	2.20	1/12	HMBP	F	220-240V 50Hz	CSIR	R	C-V	64	101	224	2.24	265	266	2.30	6.00	Bc	
	NBC30RA	123B8310	3.10	1/10	HMBP	F	220-240V 50Hz	CSIR	R	C-V	100	157	354	2.21	421	421	2.61	6.00	Bd	
	NLY45RAa	123B3504	4.56	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	148	237	518	2.13	609	613	2.51	10.42	Lc	
	NLY45RAb	123B3505	4.56	1/5	HMBP	F	220-240V 50Hz	CSR	R	C-V	148	237	518	2.34	609	613	2.75	10.52	Lc	
	NUY45RAa	123B3704	4.56	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	142	231	516	2.36	610	612	2.77	9.30	Lc	
	NUY55RAa	123B3705	5.50	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	189	304	665	2.40	781	787	2.82	9.87	Lc	
	NLY60RAa	123B3506	5.98	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	211	325	703	2.20	829	833	2.58	10.99	Lc	
	NLY60RAb	123B3507	5.98	1/4	HMBP	F	220-240V 50Hz	CSR	R	C-V	211	325	703	2.38	829	833	2.79	11.14	Lc	
	NUY60RAa	123b3708	5.98	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	217	334	723	2.33	860	856	2.75	9.75	Lc	
	NUY70RAa	123B3527	6.70	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	248	382	817	2.34	961	968	2.75	9.60	Ub	
	NUY70RAb	123B3528	6.70	1/4	HMBP	F	220-240V 50Hz	CSR	R	C-V	248	382	817	2.47	961	968	2.90	9.70	Ub	
	NLY75RAa	123B3508	7.36	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	243	390	862	2.25	1017	1022	2.64	10.49	Ld	
	NLY75RAb	123B3509	7.36	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	243	390	862	2.42	1017	1022	2.84	10.59	Ld	
	NLY80RAa	123B3510	8.10	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	258	411	930	2.21	1104	1105	2.60	10.54	Ld	
	NLY80RAb	123B3511	8.10	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	258	411	930	2.38	1104	1105	2.80	10.64	Ld	
	NLY90RAa	123B3512	9.09	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	306	480	1054	2.18	1245	1250	2.56	11.19	Ld	
	NLY90RAb	123B3513	9.09	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	306	480	1054	2.36	1245	1250	2.78	11.29	Ld	
	NLY12RAa	123B3529	10.7	3/8	HMBP	F	220-240V 50Hz	CSIR	R	C-V	379	584	1224	2.06	1432	1446	2.41	11.44	Ld	
	NLY12RAb	123B3530	10.7	3/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	379	597	1249	2.28	1457	1473	2.66	11.54	Ld	
	NLY12RGa	123B3531	10.7	3/8	HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	341	553	1217	2.03	1432	1441	2.39	12.1	Ld	
	NLY12RGB	123B3532	10.7	3/8	HMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	355	554	1226	2.20	1450	1455	2.58	12.2	Ld	
	NPY12RAa	123B3701	12.10	1/2	HBP	F	220-240V 50Hz	CSIR	R	C-V	-	635	1460	2.08	1735	1736	2.45	12.16	Pd	
	NPY12RAb	123B3702	12.10	1/2	HBP	F	220-240V 50Hz	CSR	R	C-V	-	635	1460	2.28	1735	1736	2.70	12.26	Pd	
	NPT14RA	123B3703	14.32	1/2	HBP	F	220-240V 50Hz	CSR	R	C-V	-	763	1709	2.26	2085	2056	2.69	12.25	Pd	
	NPT16RA	123B3712	16.10	2/3	HBP	F	220-240V 50Hz	CSR	R	C-V	-	853	1911	2.18	2331	2299	2.55	12.30	Pd	
	NX18TBa	123B3514	18.40	3/4	HMBP	F	220-240V 50Hz	CSR	R	C-V	511	852	2039	2.22	2440	2433	2.61	16.14	Xd	
	NX21TBa	123B3515	20.72	7/8	HMBP	F	220-240V 50Hz	CSR	R	C-V	601	973	2267	2.18	2705	2701	2.55	16.09	Xd	

R290 HMBP | HBP • 60 Hz Natural Refrigerant

	MODEL	DANFOSS CODE (†)	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											-25	-15	5		10	7.2				
													W	COP		W	COP			
	NLY45RRa	123B3516	4.56	1/5	HMBP	F	115-127V 60Hz	CSIR	R	C-V	180	282	618	2.08	729	733	2.41	9.19	Lc	
	NLY45RRb	123B3517	4.56	1/5	HMBP	F	115-127V 60Hz	CSR	R	C-V	180	282	618	2.25	729	733	2.61	9.29	Lc	
	NLY60RRa	123B3518	5.98	1/5	HMBP	F	115-127V 60Hz	CSIR	R	C-V	245	385	827	2.11	971	978	2.43	9.68	Lc	
	NLY60RRb	123B3519	5.98	1/5	HMBP	F	115-127V 60Hz	CSR	R	C-V	245	385	827	2.29	971	978	2.65	9.78	Lc	
	NLY75RRa	123B3520	7.57	3/8	HMBP	F	115-127V 60Hz	CSIR	R	C-V	278	445	1010	2.14	1200	1201	2.50	10.07	Ld	
	NLY75RRb	123B3521	7.57	3/8	HMBP	F	115-127V 60Hz	CSR	R	C-V	278	454	1034	2.36	1227	1229	2.76	10.17	Ld	
	NLY80RRa	123B3522	8.10	1/4	HMBP	F	115-127V 60Hz	CSIR	R	C-V	314	497	1098	2.12	1297	1302	2.45	10.03	Ld	
	NLY80RRb	123B3523	8.10	1/4	HMBP	F	115-127V 60Hz	CSR	R	C-V	314	497	1098	2.31	1297	1302	2.67	10.13	Ld	
	NLY90RRa	123B3524	9.09	1/3	HMBP	F	115-127V 60Hz	CSIR	R	C-V	353	563	1239	2.03	1462	1469	2.35	10.55	Ld	
	NLY90RRb	123B3525	9.09	1/3	HMBP	F	115-127V 60Hz	CSR	R	C-V	353	563	1239	2.21	1462	1469	2.56	10.65	Ld	
	NLT12RR	123B3533	10.70	1/8	HBP	F	115-127V 60Hz	CSR	R	C-V	428	683	1504	2.12	1775	1782	2.45	11.20	Ld	
	NLY12RGa	123B3531	10.70	3/8	HMBP	F	200-220/220-230V 50/60Hz	CSIR	R	C-V	418	669	1445	2.07	1696	1709	2.41	12.1	Ld	
	NLY12RGB	123B3532	10.70	3/8	HMBP	F	200-220/220-230V 50/60Hz	CSR	R	C-V	429	679	1469	2.25	1727	1738	2.63	12.2	Ld	

 Green Cooling Models
 New Models
(**) Model under development. Provisional performance/data.

See design drawing on pages 40-41
(†) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R600a LBP • 50 Hz

	MODEL	DANFOSS CODE (²)	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)						ASHRAE			
											-25		-10	-23.3						
											35	-30		W	COP	W	COP			
	L22CL	123B8401	2.20	1/18	LBP	S	220-240V 50Hz	RSIR	P	C	12	31	23	0.69	48	30	0.86	3.60	SLb	
	L30CL	123B8402	3.10	1/16	LBP	S	220-240V 50/60Hz	RSIR	P	C	19	49	36	0.78	75	47	0.99	3.80	SLc	
	B35C	123B8425	3.50	1/15	LBP	S	220-240V 50/60Hz	RSIR	P	C	17	26	37	0.77	79	50	1.00	4.50	Bb	
	B35C	123B8403	3.50	1/15	LBP	S	220-240V 50Hz	RSIR	P	C	16	28	41	0.95	89	56	1.23	4.50	Bb	
	B35CA	123B8404	3.50	1/15	LBP	S	220-240V 50Hz	RSCR	P	C	21	31	43	1.13	96	58	1.45	5.10	Bc	
	B43CB	123B8405	4.30	1/12	LBP	S	220-240V 50Hz	RSIR	P	C	29	39	51	0.91	108	68	1.16	4.60	Bc	
	B43CB	123B8406	4.30	1/12	LBP	S	220-240V 50Hz	RSCR	P	C	29	39	51	1.02	108	68	1.29	4.60	Bc	
	B43CB	123B8419	4.30	1/12	LBP	S	220-240V 50/60Hz	RSIR	P	C	25	33	44	0.87	92	58	1.10	4.60	Bc	
	B52CL	123B8408	5.20	1/10	LBP	S	220-240V 50/60Hz	RSIR	P	C	35	45	60	0.91	127	80	1.16	4.60	Bc	
	B52CL	123B8409	5.20	1/10	LBP	S	220-240V 50Hz	RSIR	P	C	34	44	58	1.11	124	78	1.42	5.20	Bd	
	B60CBL	123B8411	6.00	1/8	LBP	S	220-240V 50Hz	RSIR	P	C	40	54	71	1.03	153	95	1.31	5.00	Bc	
	B60CBL	123B8412	6.00	1/8	LBP	S	220-240V 50Hz	RSIR	P	C	38	96	71	1.10	149	95	1.40	5.00	Bd	
	B65CL	123B8413	6.50	1/8	LBP	S	220-240V 50Hz	RSIR	P	C	42	105	79	0.87	163	104	1.10	5.00	Bc	
	B65CL	123B8414	6.50	1/8	LBP	S	220-240V 50Hz	RSCR	P	C	42	105	79	1.10	163	104	1.40	5.20	Be	
	HLY80AAa	123B4108	8.10	1/7	LBP	S	220-240V 50Hz	RSIR	P	C	54	74	99	1.11	201	131	1.41	9.45	Lb	
	HLY80AAb	123B4109	8.10	1/7	LBP	S	220-240V 50Hz	RSCR	P	C	54	74	99	1.18	203	131	1.49	9.56	Lb	
	HLY90AAa	123B4110	9.09	1/6	LBP	S	220-240V 50Hz	RSIR	P	C	67	84	109	1.11	231	145	1.41	9.85	Lb	
	HLY90AAb	123B4111	9.09	1/6	LBP	S	220-240V 50Hz	RSCR	P	C	65	85	111	1.18	234	147	1.49	9.96	Lb	
	HLY99AAa	123B4112	9.95	1/6	LBP	S	220-240V 50Hz	RSIR	P	C	69	90	119	1.10	249	157	1.40	10.95	Lc	
	HLY99AAb	123B4113	9.95	1/6	LBP	S	220-240V 50Hz	RSCR	P	C	67	90	120	1.16	250	159	1.48	11.06	Lc	
	HPY12AAa	123B4114	12.10	1/5	LBP	S	220-240V 50Hz	RSIR	P	C	79	107	144	1.13	301	191	1.43	11.13	Pc	
	HPY12AAb	123B4115	12.10	1/5	LBP	S	220-240V 50Hz	RSCR	P	C	79	107	144	1.18	301	191	1.50	11.24	Pc	
	HPY12AGa	123B4116	12.10	1/4	LBP	S	200-220/220-230V 50/60Hz	RSIR	P	C	79	107	144	1.10	301	191	1.40	10.90	Pc	
	HPY12AGb	123B4117	12.10	1/4	LBP	S	200-220/220-230V 50/60Hz	RSCR	P	C	79	107	144	1.10	301	191	1.40	11.01	Pc	
	HPY14AAa	123B4118	14.32	1/5	LBP	S	220-240V 50Hz	RSIR	P	C	92	124	166	1.13	345	220	1.43	11.41	Pc	
	HPY14AAb	123B4119	14.32	1/5	LBP	S	220-240V 50Hz	RSCR	P	C	92	124	166	1.19	345	220	1.50	11.52	Pc	
	HPY16AAa	123B4122	16.15	1/4	LBP	S	220-240V 50Hz	RSIR	P	C	102	136	181	1.14	381	241	1.44	10.64	Pc	
	HPY16AAb	123B4123	16.15	1/4	LBP	S	220-240V 50Hz	RSCR	P	C	102	136	181	1.19	381	241	1.51	10.75	Pc	
	B43C0	123B8407	4.30	1/12	LBP	S	100V 50/60Hz	RSIR	P	C	27	69	51	0.93	107	68	1.18	4.60	Bb	
	B52C0L	123B8410	5.20	1/10	LBP	S	100V 50/60Hz	RSIR	P	C	31	78	58	0.86	121	78	1.10	4.80	Bc	
	HPY14AJa	123B4120	14.32	1/5	LBP	S	100V 50/60Hz	RSIR	P	C	86	116	157	1.01	336	208	1.28	10.75	Pd	
	HPY14AJb	123B4121	14.32	1/5	LBP	S	100V 50/60Hz	RSCR	P	C	86	116	157	1.07	336	208	1.35	10.86	Pd	

 Green Cooling Models

 New Models

See design drawing on pages 40-41

(²) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R600a LBP • 60 Hz

	MODEL	DANFOSS CODE (α)	DISPLACEMENT cm ³	POWER hp	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT Kg	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)					ASHRAE				
											35	-30	-25		-10	-23.3				
													W	COP	-10	W	COP			
	L30CL	123B8402	3.10	1/14	LBP	S	220-240V 50/60Hz	RSIR	P	C	22	30	41	0.90	86	54	1.14	3.60	SLc	
	B35C	123B8425	3.50	1/15	LBP	S	220-240V 50/60Hz	RSIR	P	C	24	33	45	0.93	94	60	1.21	4.60	Bc	
	B43CB	123B8419	4.30	1/12	LBP	S	220-240V 50/60Hz	RSIR	P	C	30	39	52	0.98	110	69	1.25	4.60	Bc	
	B60CBL	123B8423	6.00	1/8	LBP	S	220-240V 60Hz	RSIR	P	C	44	61	83	1.03	174	110	1.32	4.60	Bc	
	HPY12AGa	123B4116	12.10	1/4	LBP	S	200-220/220-230V 50/60Hz	RSIR	P	C	92	126	168	1.08	351	223	1.37	10.90	Pc	
	HPY12AGb	123B4117	12.10	1/4	LBP	S	200-220/220-230V 50/60Hz	RSCR	P	C	92	126	168	1.08	351	223	1.37	11.01	Pc	
	L22C5L	123B8415	2.20	1/16	LBP	S	110-120V 60Hz	RSIR	P	C	16	22	30	0.86	63	39	1.10	3.60	SLb	
	B35C5B	123B8417	3.50	1/12	LBP	S	110-115 60Hz	RSIR	P	C	26	36	49	0.95	403	65	1.21	4.60	Bb	
	B35C5BL	123B8418	3.50	1/12	LBP	S	110-115 60Hz	RSCR	P	C	26	36	49	1.10	103	65	1.40	4.60	Bc	
	B43C5B	123B8421	4.30	1/10	LBP	S	110-115V 60Hz	RSIR	P	C	31	43	58	1.02	121	78	1.30	4.60	Bb	
	B52C5BL	123B8422	5.20	1/8	LBP	S	110-120V 60Hz	RSCR	P	C	38	53	71	1.18	149	95	1.50	5.20	Be	
	B60C5BL	123B8424	6.00	1/8	LBP	S	110-120V 60Hz	RSCR	P	C	44	61	82	1.10	172	109	1.40	5.20	Bd	
	B43C0	123B8407	4.30	1/10	LBP	S	100V 50/60Hz	RSIR	P	C	31	43	58	0.93	121	78	1.18	4.60	Bb	
	B52C0L	123B8410	5.20	1/8	LBP	S	100V 50/60Hz	RSIR	P	C	38	53	71	0.86	149	95	1.10	4.80	Bc	
	HPY14AJa	123B4120	14.32	1/5	LBP	S	100V 50/60Hz	RSIR	P	C	101	139	187	1.06	393	249	1.34	10.75	Pd	
	HPY14AJb	123B4121	14.32	1/5	LBP	S	100V 50/60Hz	RSCR	P	C	101	139	187	1.12	393	249	1.41	10.86	Pd	

 Green Cooling Models
 New Models
See design drawing on pages 40-41
(α) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

R600a HMBP | HBP • 50 Hz

	MODEL	DANFOSS CODE (α)	DISPLACEMENT	POWER	APPLICATION	CPR COOLING	VOLTAGE FREQUENCY	MOTOR	STARTING	EXPANSION	REFRIGERATION CAPACITY								WEIGHT	DESIGN
											COP in W/W Evaporating Temperature °C									
											CECOMAF (W)						ASHRAE			
											-25	-15	5		10	7.2				
													W	COP		W	COP			
	HLY55MAa	123B4502	5.46	1/10	HMBP	S	220-240V 50Hz	RSIR	P	C	48	96	250	2.18	300	295	2.51	9.80	Lb	
	HLY55MAb	123B4503	5.46	1/10	HMBP	S	220-240V 50Hz	RSCR	P	C	48	96	250	2.31	300	295	2.67	9.91	Lb	
	HUY55MAa	123B4505	5.50	1/10	HMBP	S	220-240V 50Hz	RSIR	P	C	64	110	272	2.47	327	322	2.86	8.95	Ub	
	HUY55MAb	123B4506	5.50	1/10	HMBP	S	220-240V 50Hz	RSCR	P	C	64	110	272	2.58	327	322	2.99	9.05	Ub	
	HLY70MAa	123B4507	6.65	1/8	HMBP	S	220-240V 50Hz	RSIR	P	C	66	121	307	2.17	370	363	2.50	8.80	Lb	
	HLY70MAb	123B4508	6.65	1/8	HMBP	S	220-240V 50Hz	RSCR	P	C	66	121	307	2.33	370	363	2.69	8.91	Lb	
	HUY70MAa	123B4511	6.70	1/8	HMBP	S	220-240V 50Hz	RSIR	P	C	80	137	338	2.47	406	399	2.87	8.90	Ub	
	HUY70MAb	123B4512	6.70	1/8	HMBP	S	220-240V 50Hz	RSCR	P	C	80	137	338	2.59	406	399	2.99	9.01	Ub	
	HLY99RAa	123B4513	9.95	1/6	HMBP	F	220-240V 50Hz	CSIR	R	C-V	103	178	458	2.03	555	544	2.35	9.31	Lc	
	HLY99RAb	123B4514	9.95	1/6	HMBP	F	220-240V 50Hz	CSR	R	C-V	103	178	458	2.21	555	544	2.57	9.41	Lc	
	HPY12RAa	123B4515	12.10	1/5	HMBP	F	220-240V 50Hz	CSIR	R	C-V	135	236	583	2.15	700	689	2.50	10.5	Pc	
	HPY12RAb	123B4516	12.10	1/5	HMBP	F	220-240V 50Hz	CSR	R	C-V	135	236	583	2.32	700	689	2.70	10.6	Pc	
	HPY14RAa	123B4517	14.32	1/5	HBP	F	220-240V 50Hz	CSIR	R	C-V	-	281	668	2.08	797	787	2.40	9.74	Pc	
	HPY14RAb	123B4518	14.32	1/5	HBP	F	220-240V 50Hz	CSR	R	C-V	-	281	668	2.26	797	787	2.61	9.84	Pc	
	HPY16RAa	123B4519	16.15	1/4	HMBP	F	220-240V 50Hz	CSIR	R	C-V	179	310	755	2.12	904	891	2.45	10.99	Pd	
	HPY16RAb	123B4520	16.15	1/4	HMBP	F	220-240V 50Hz	CSR	R	C-V	179	310	755	2.29	904	891	2.64	11.09	Pd	

 Green Cooling Models
See design drawing on pages 40-41
(α) Ordering code for single compressors. For pallet packed compressors, please use 123F instead of 123B

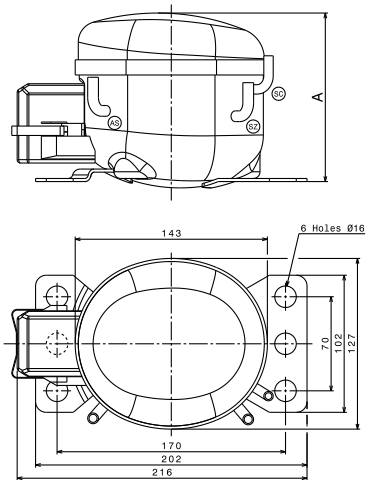
	Conditions			
	CECOMAF		ASHRAE	
	LBP	HMBP/HBP	LBP	HMBP/HBP
Evaporating temperature °C	-25	5	-23.3	7.2
Condensing temperature °C	55	55	55	55
Liquid temperature °C	55	55	32	46
Suction temperature °C	32	32	32	35
Ambient temperature °C	32	32	32	35

Technical Information



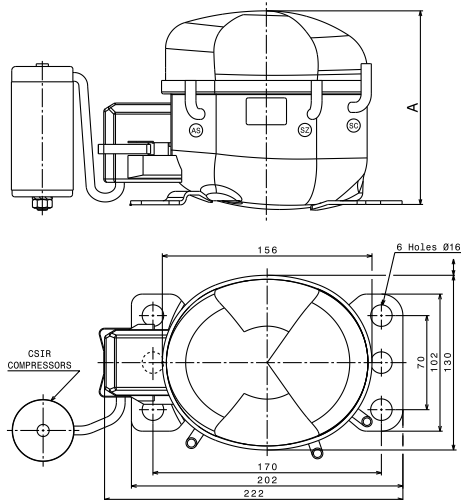
Compressor Dimensional Drawings

Small L range



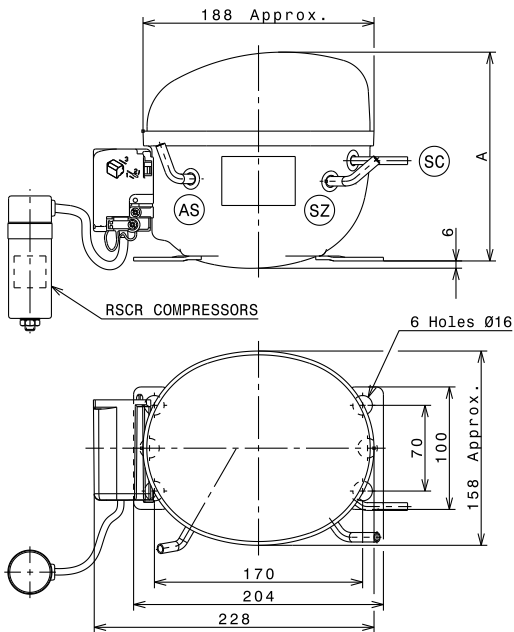
	Designation	Internal diam.		A (mm)
AS	Suction	6.2	Lb	125.5
SC	Discharge	4.9	Lc	129
SZ	Service	6.2	Ld	138
			Le	141

B range



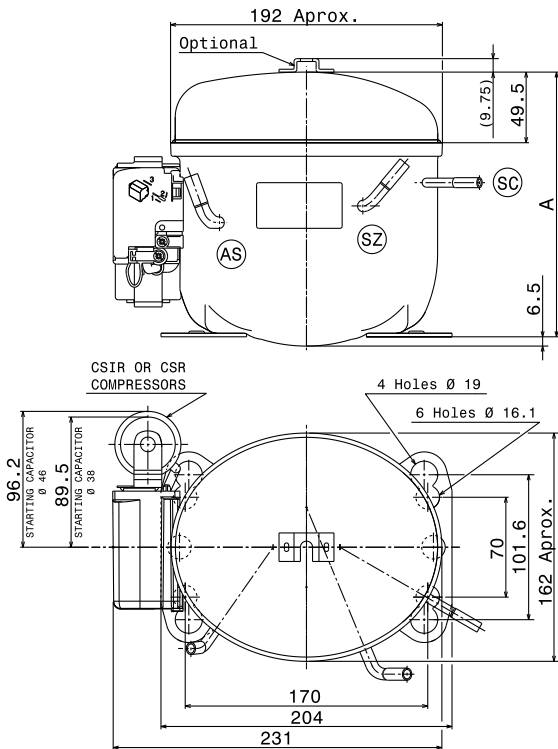
	Designation	Internal diam.		A (mm)
AS	Suction	6.2	Bb	141
SC	Discharge	4.9	Bc	145
SZ	Service	6.2	Bd	153
			Be	159

U range



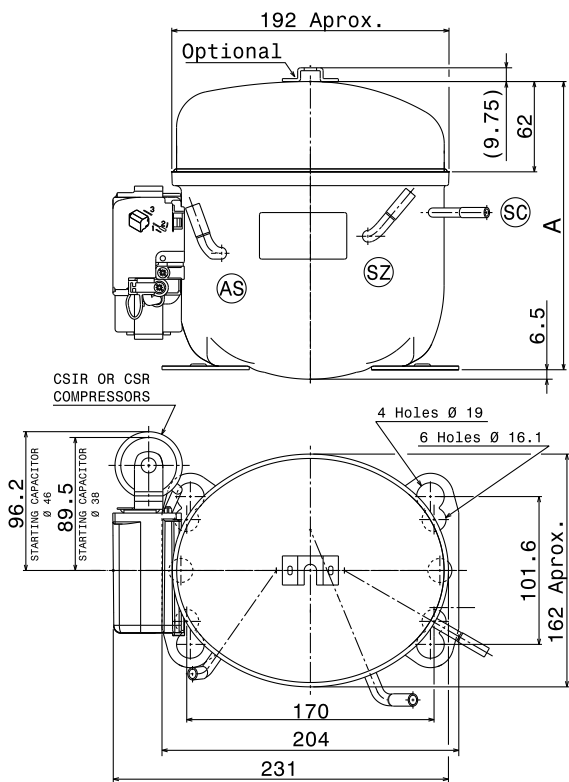
	A (mm)	LEGEND
Ub	173.5	AS Suction/Service
Uc	176.5	SC Discharge
		SZ Service/Suction

L range



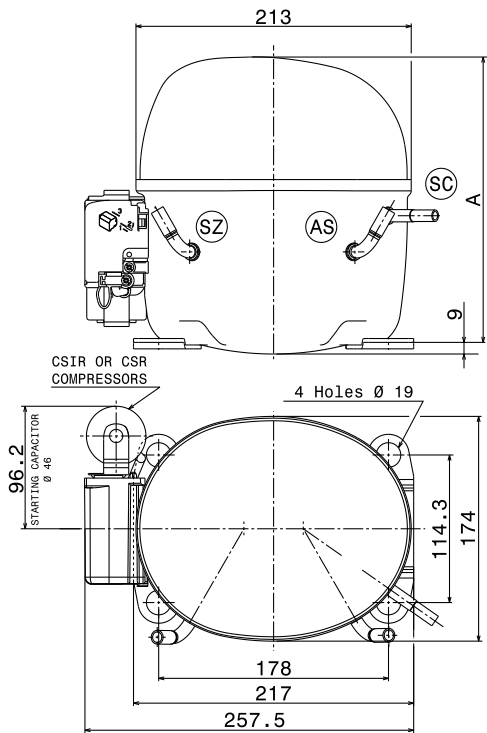
	A (mm)	LEGEND
Lb	175	AS Suction/Service
Lc	185.6	SC Discharge
Ld	198	SZ Service/Suction

P range



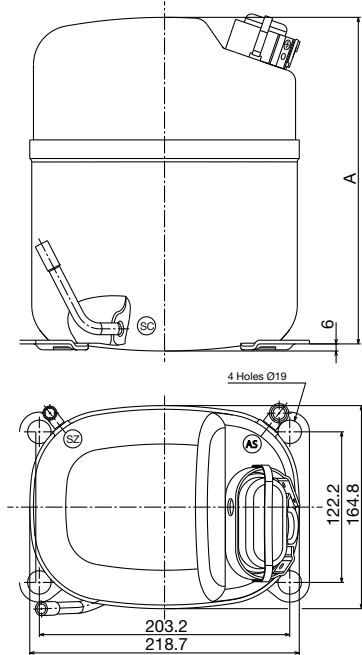
	A (mm)	LEGEND	
Pc	198.1	AS	Suction/Service
Pd	210.5	SC	Discharge
		SZ	Service/Suction

X range



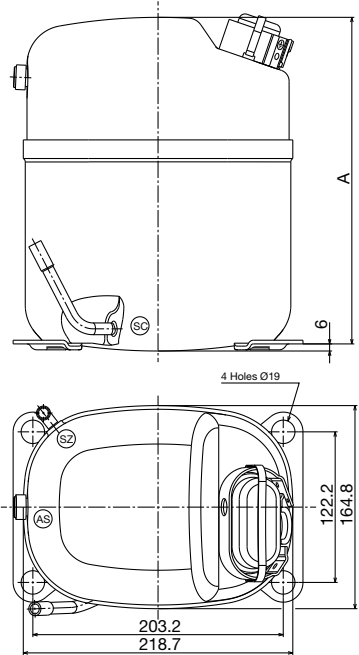
	A (mm)	LEGEND	
Xc	215	AS	Suction/Service
Xd	221	SC	Discharge
		SZ	Service/Suction

S range (Tube)



	A (mm)	LEGEND (TUBE)	
Sb	252	AS	Suction/Service
Sc	265	SC	Discharge
Sd	276	SZ	Service/Suction

S range (Valve)



	A (mm)	LEGEND (VALVE)	
Sb	252	AS	Valve Service
Sc	265	SC	Discharge
Sd	276	SZ	Service/Suction

Packaging

Single Pack

		Box dimensions (mm)			Pallet dimensions (mm)	
	Range	Length	Width	Height	Length	Width
Compressors	Small L	257	172	141/151	1010	1010
	B	257	172	151/166	1010	1010
	U	300	192	167/185	1200	1050
	L & P	300	192	167/185/198/214	1200	1050
	X & P (w/ connecting box)	320	192	222	1050	1050
	X	347	207	230	1050	1050
	S	282	215	363	1010	1010

Industrial pack

		Tray dimensions (mm)		Pallet dimensions (mm)	
	Range	Length	Width	Length	Width
Compressors	Small L	1110	815	1135	830
	B	1110	815	1135	830
	U (TIR)	1120	810	1200	800
	U (Container)	1120	810	1120	800
	L & P	1060	990	1050	1050
	X	1050	1020	1050	1050
	S	1050	1050	1050	1050

Quantities per Pallet

	Industrial pack			Single Pack		
Range	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.

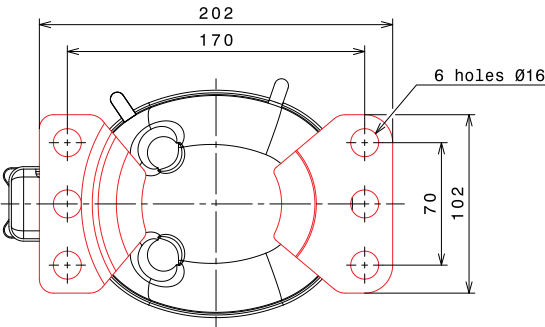
Mounting feet

Range	Mounting feet
Small L & B	European type. Set of 4 holes of 16mm DIA with inter-axes: 70x170mm
U / 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)

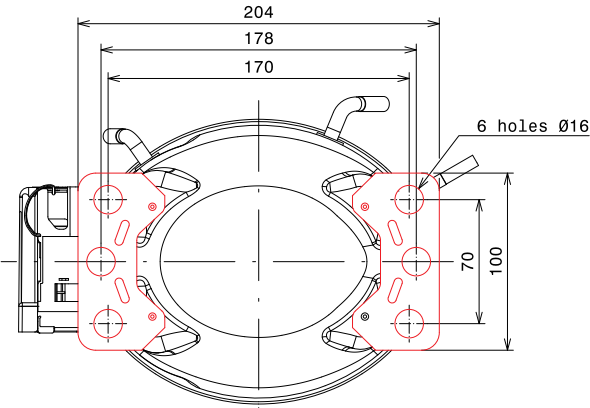
Silent Blocks (Mounting accessories)

STANDARD D.16 holds net (170x70)	STANDARD Small L & B D.16 hold net (170x70)	AMERICAN FEET D.19 holds net (165x101.6)	SNAP-ON D.16 holds net (170x70)	AMERICAN SNAP-ON D. 19 holds net (165x101.6)
Technical drawing of the Standard mounting sleeve (1) and silent block (2). The sleeve has an outer diameter of $\varnothing 6.5$ and an inner diameter of $\varnothing 8.2$, with a height of 15.5. The silent block (2) has a top diameter of $\varnothing 19$, a central hole of $\varnothing 8$, a base diameter of $\varnothing 24$, and a height of 16. A dimension of 9 is shown for the base of the silent block.	Technical drawing of the Standard Small L & B mounting sleeve (1) and silent block (2). The sleeve has an outer diameter of $\varnothing 8.6$ and an inner diameter of $\varnothing 10.2$, with a height of 16.5. The silent block (2) has a top diameter of $\varnothing 21$, a central hole of $\varnothing 10.5$, a base diameter of $\varnothing 26$, and a height of 17. A dimension of 11 is shown for the base of the silent block.	Technical drawing of the American Feet mounting sleeve (1) and silent block (2). The sleeve has an outer diameter of $\varnothing 8.7$ and an inner diameter of $\varnothing 11$, with a height of 17.5. The silent block (2) has a top diameter of $\varnothing 24$, a central hole of $\varnothing 11$, a base diameter of $\varnothing 32$, and a height of 17.5. A dimension of 9.5 is shown for the base of the silent block.	Technical drawing of the Snap-On mounting sleeve (1) and silent block (2). The sleeve has a height of 8. The silent block (2) has a top diameter of $\varnothing 19$, a central hole of $\varnothing 8$, a base diameter of $\varnothing 24$, and a height of 16. A dimension of 9 is shown for the base of the silent block.	Technical drawing of the American Snap-On mounting sleeve (1) and silent block (2). The sleeve has a height of 8. The silent block (2) has a top diameter of $\varnothing 23.8$, a central hole of $\varnothing 8$, a base diameter of $\varnothing 31.7$, and a height of 16. A dimension of 9 is shown for the base of the silent block.
1. Mounting sleeve	2. Silent Block	1. Clip	2. Washer	3. Silent Block

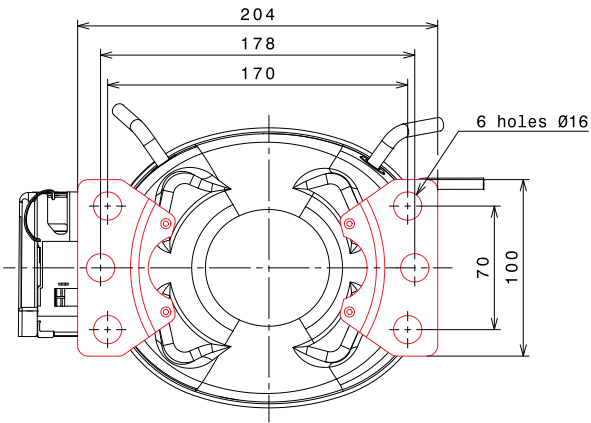
Small L & B Range
European mounting feet



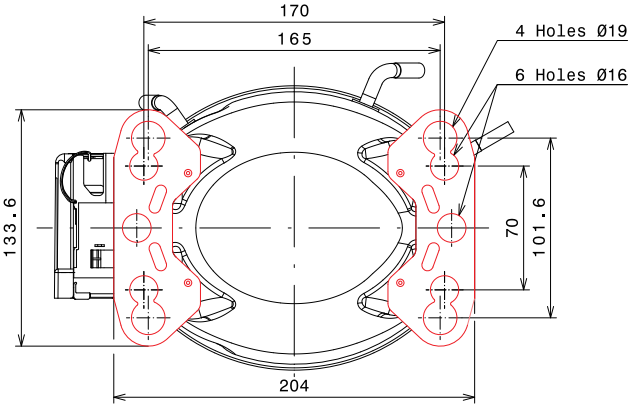
L / P Range
European mounting feet



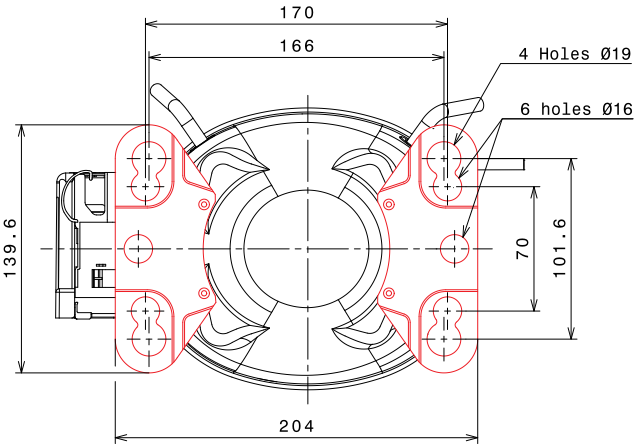
U Range
European mounting feet



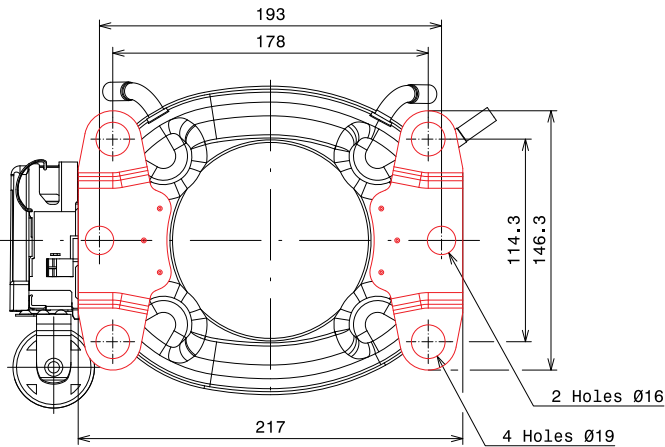
L / P Range
American mounting feet



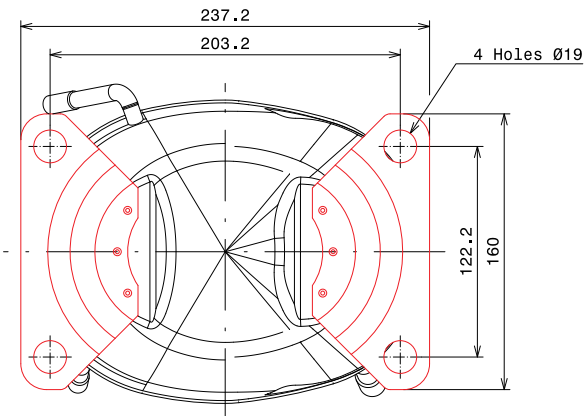
U Range
American mounting feet



XRange

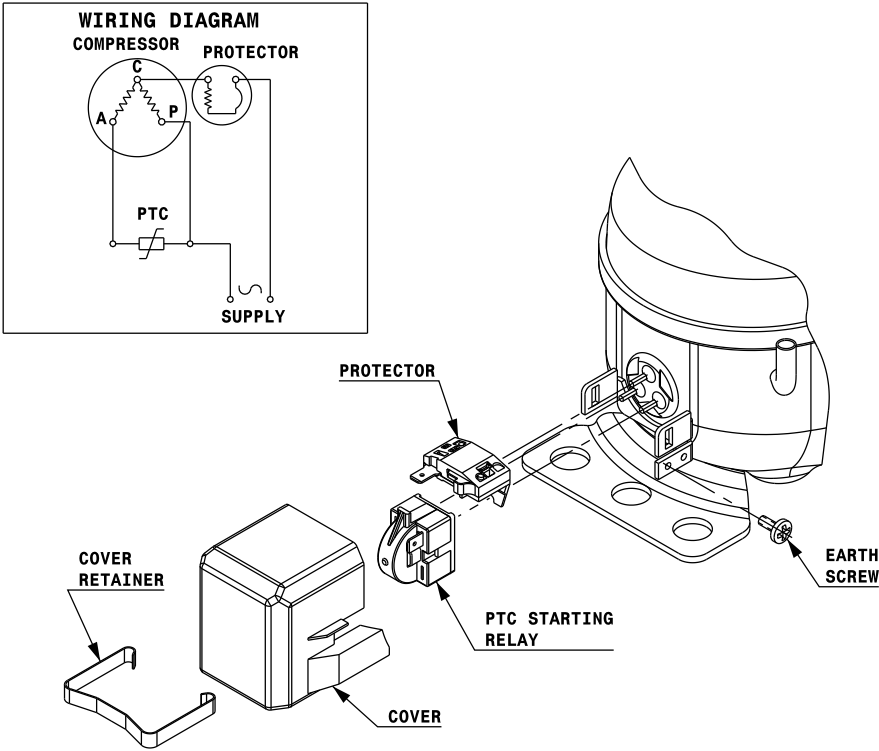


S Range

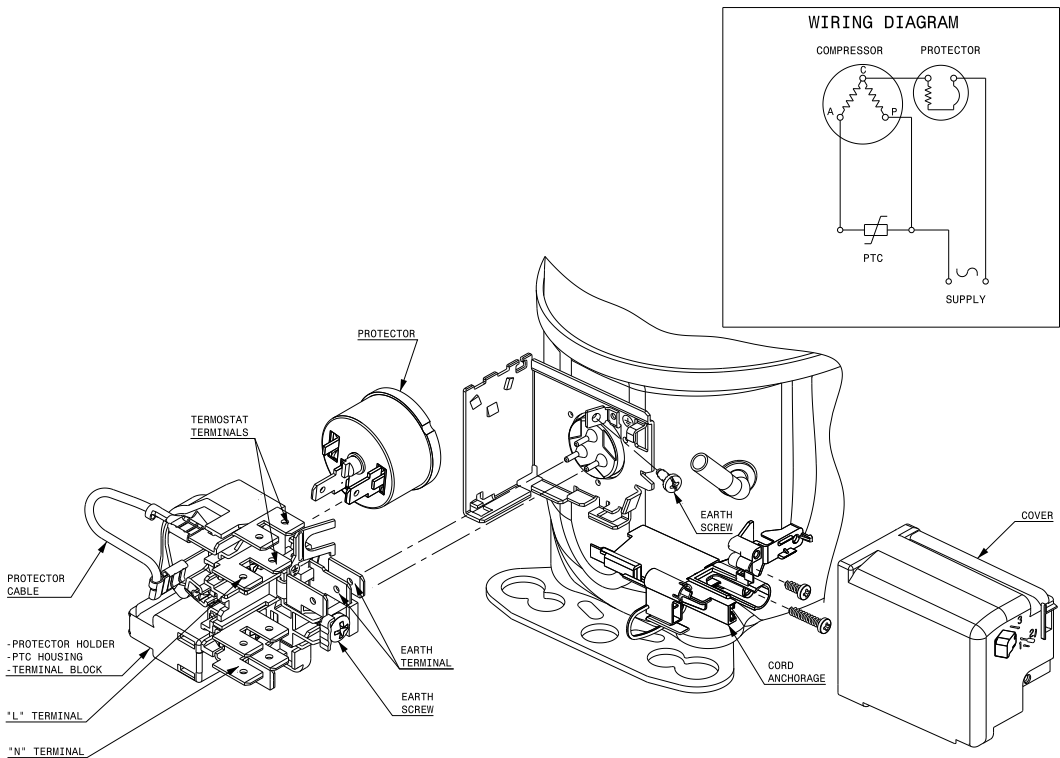


Wiring Diagrams and Electrical Assembly

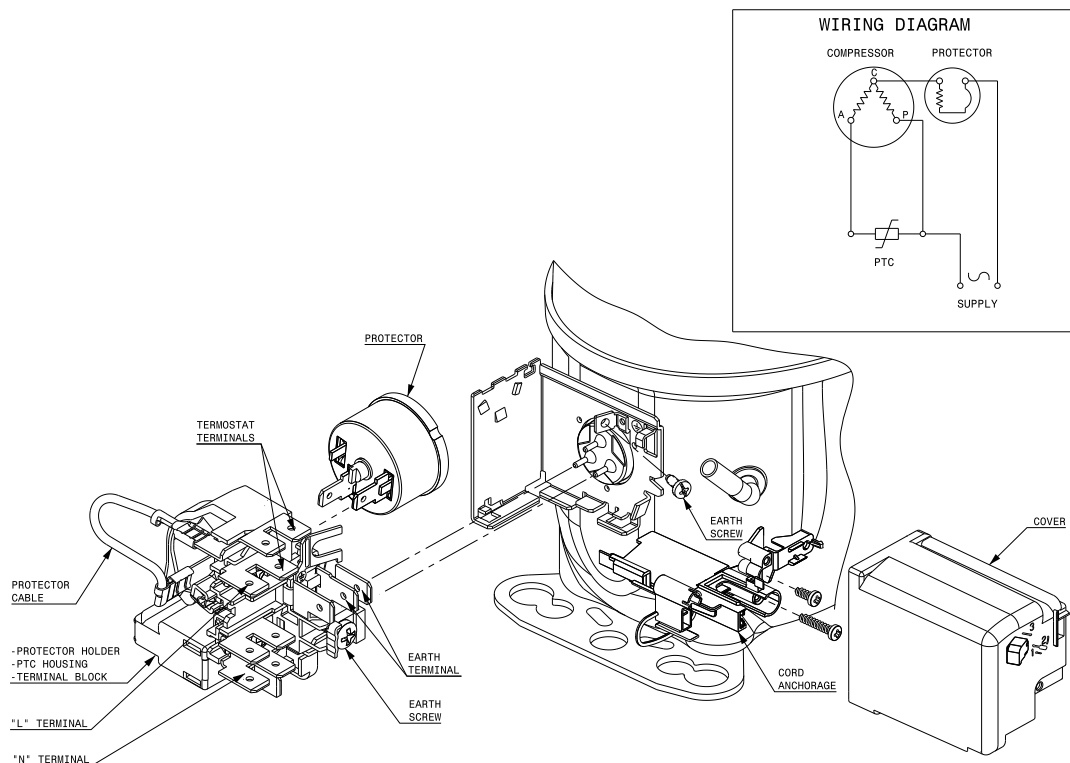
RSIR CONNECTION (PTC) Small L & B



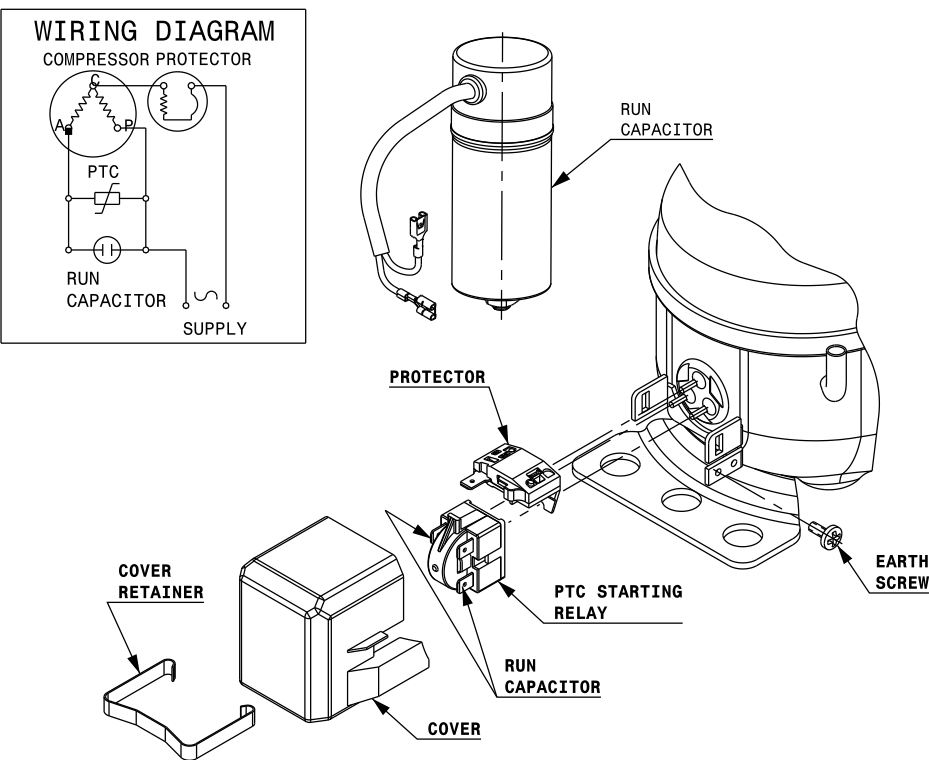
RSIR CONNECTION (PTC)



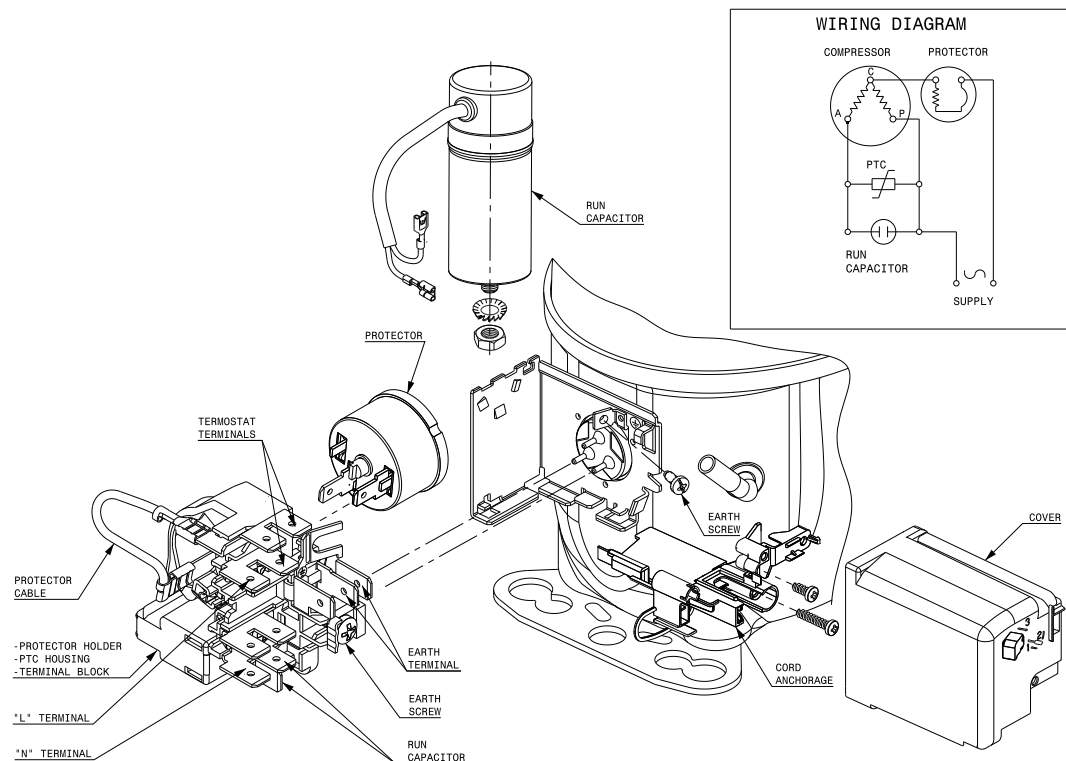
RSIR CONNECTION (RELAY)



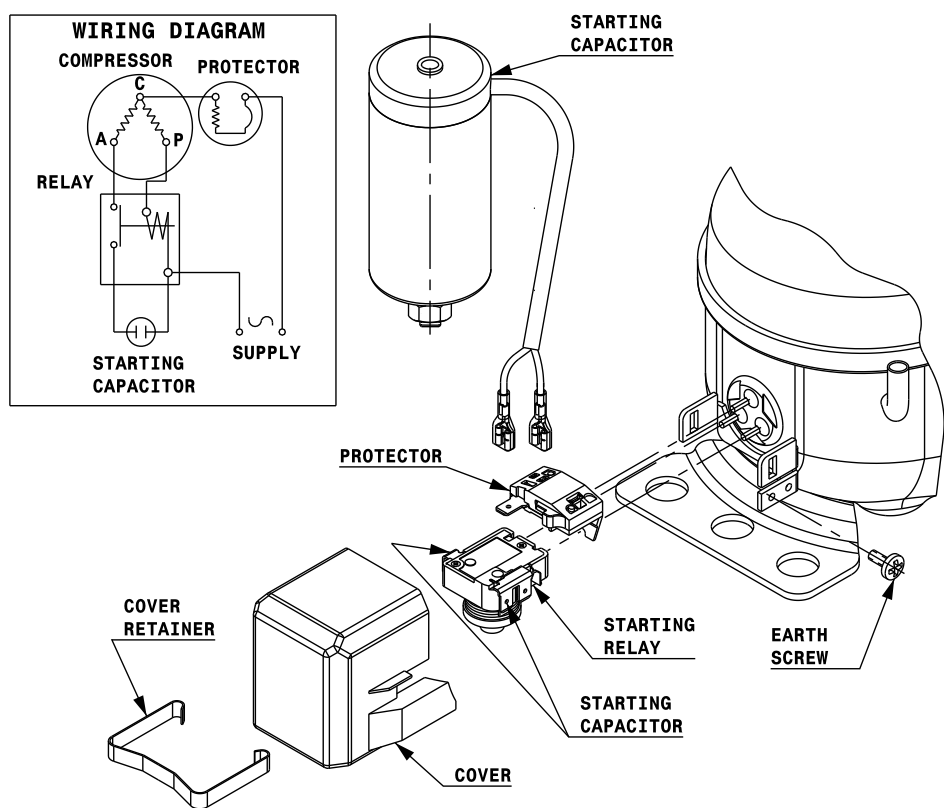
RSCR CONNECTION (PTC) Small L & B



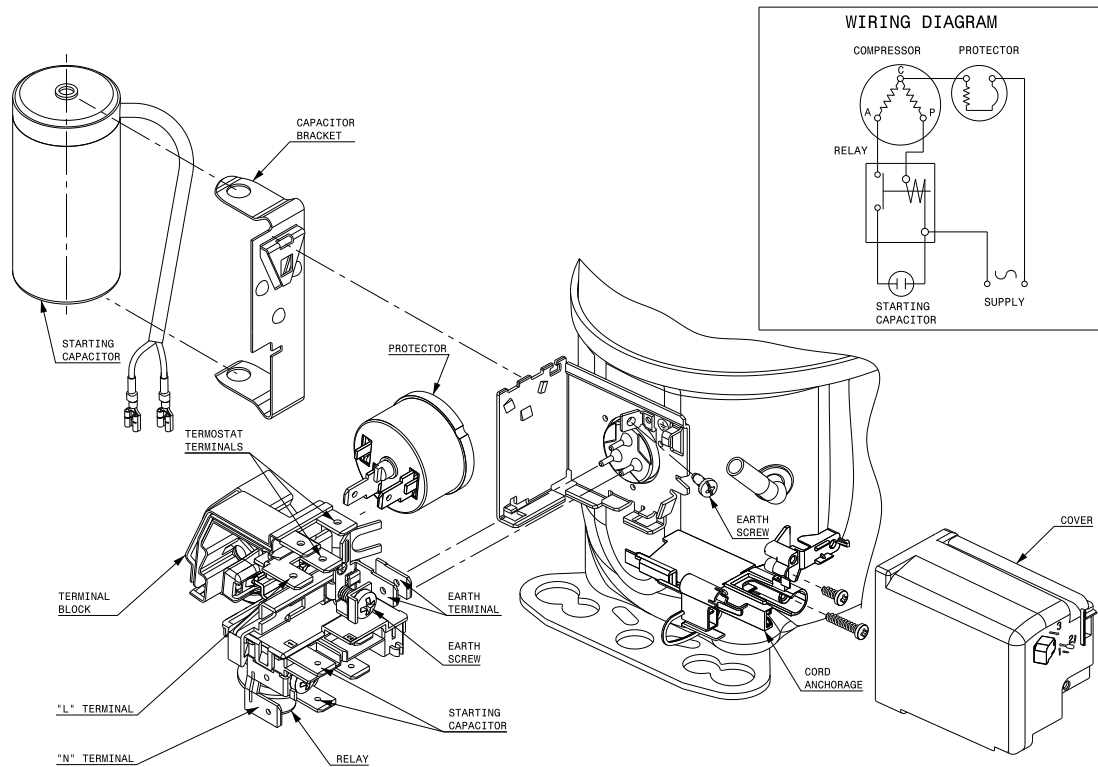
RSCR CONNECTION



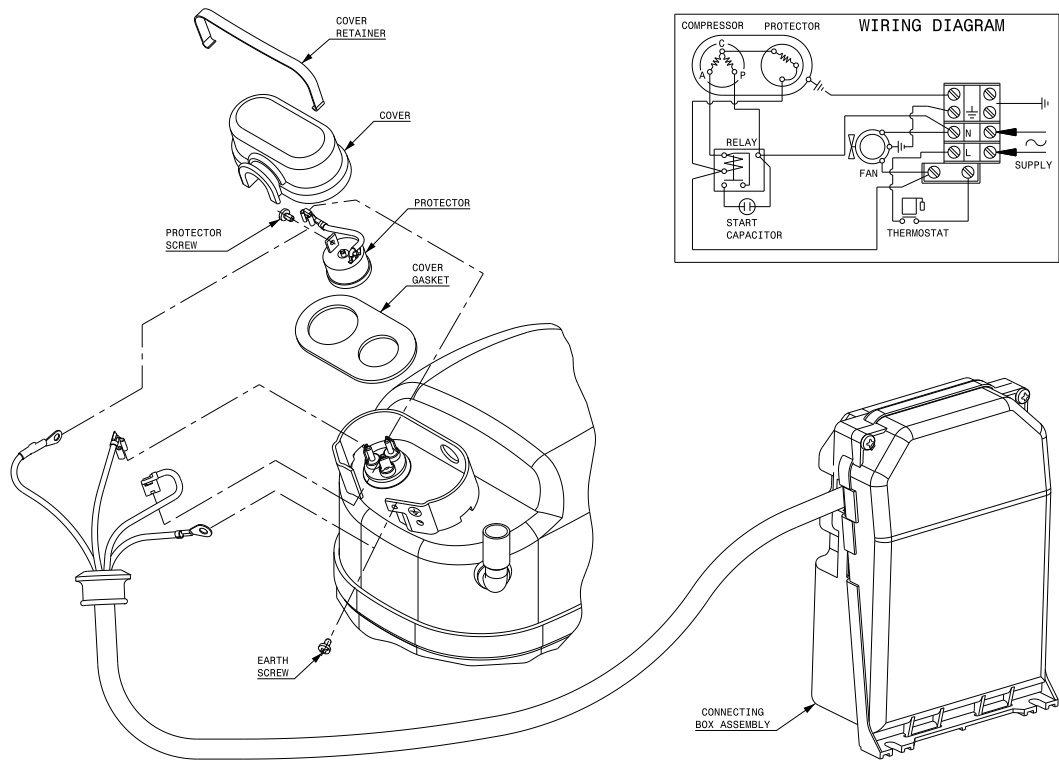
CSIR CONNECTION Small L & B



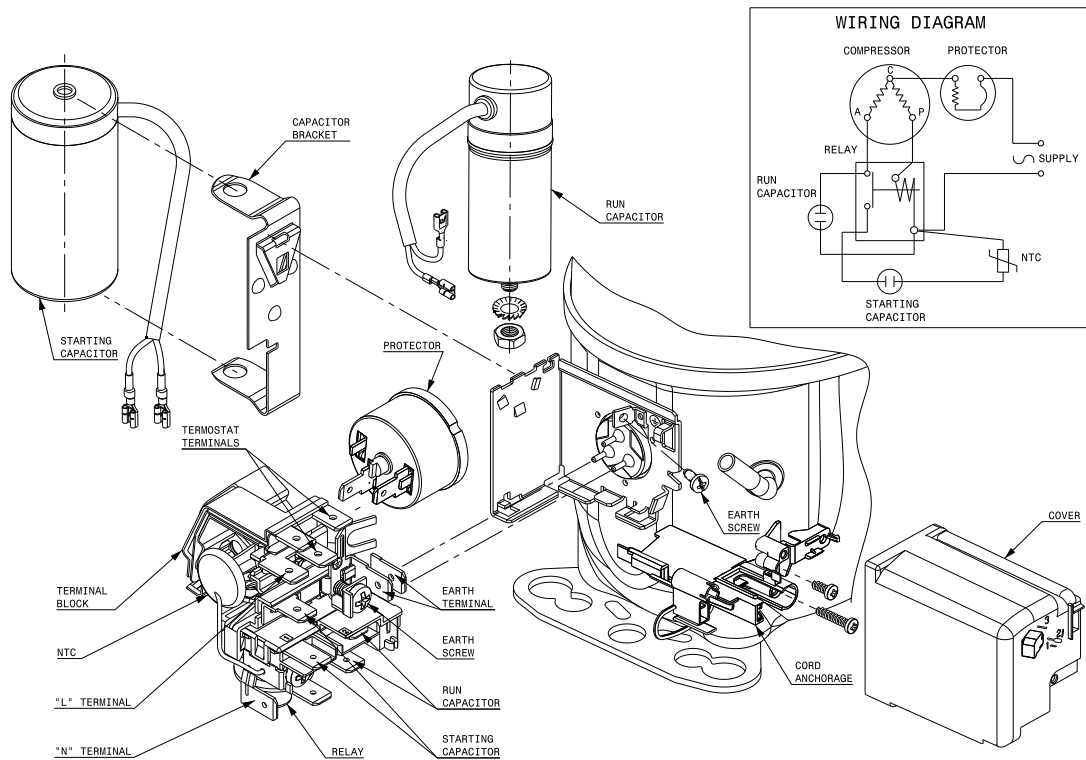
CSIR CONNECTION



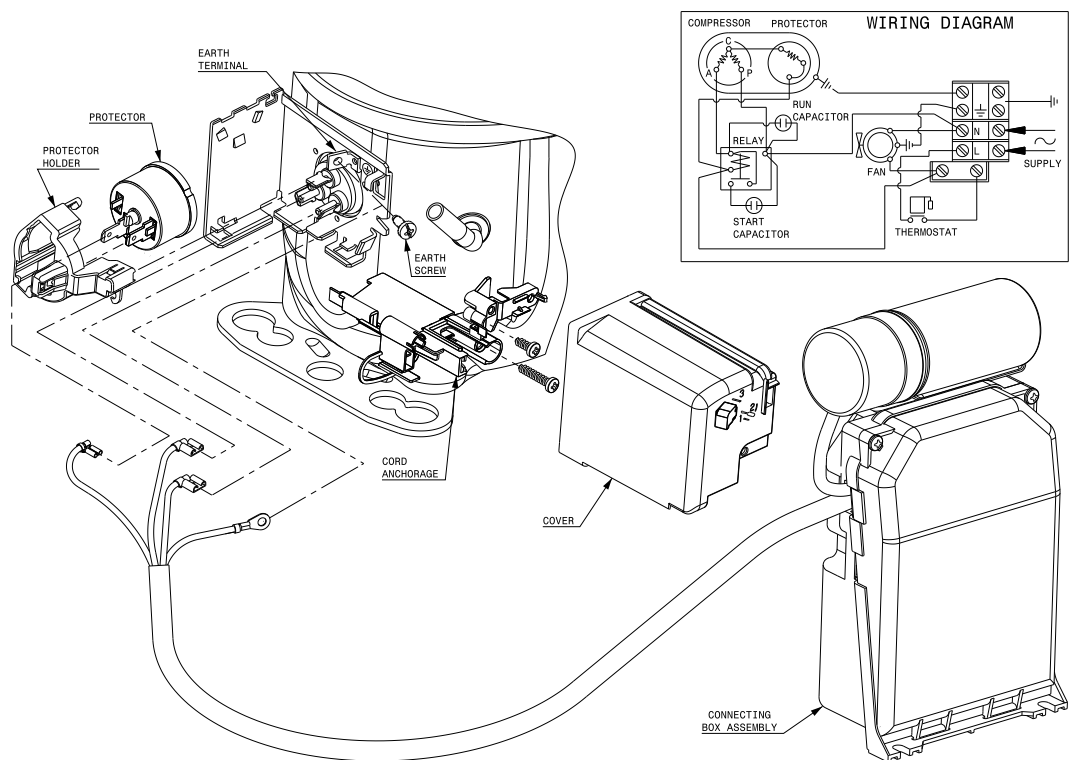
CSIR CONNECTION (EXTERNAL CONNECTING BOX) (S range)



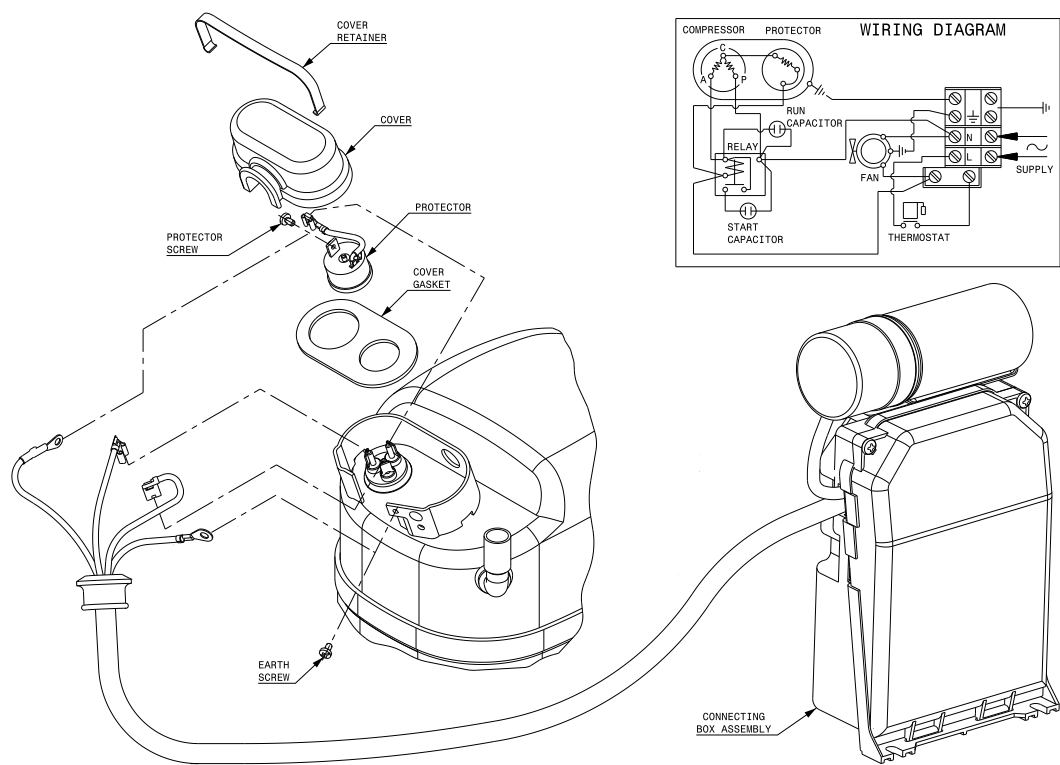
CSR CONNECTION (CURRENT RELAY + NTC)



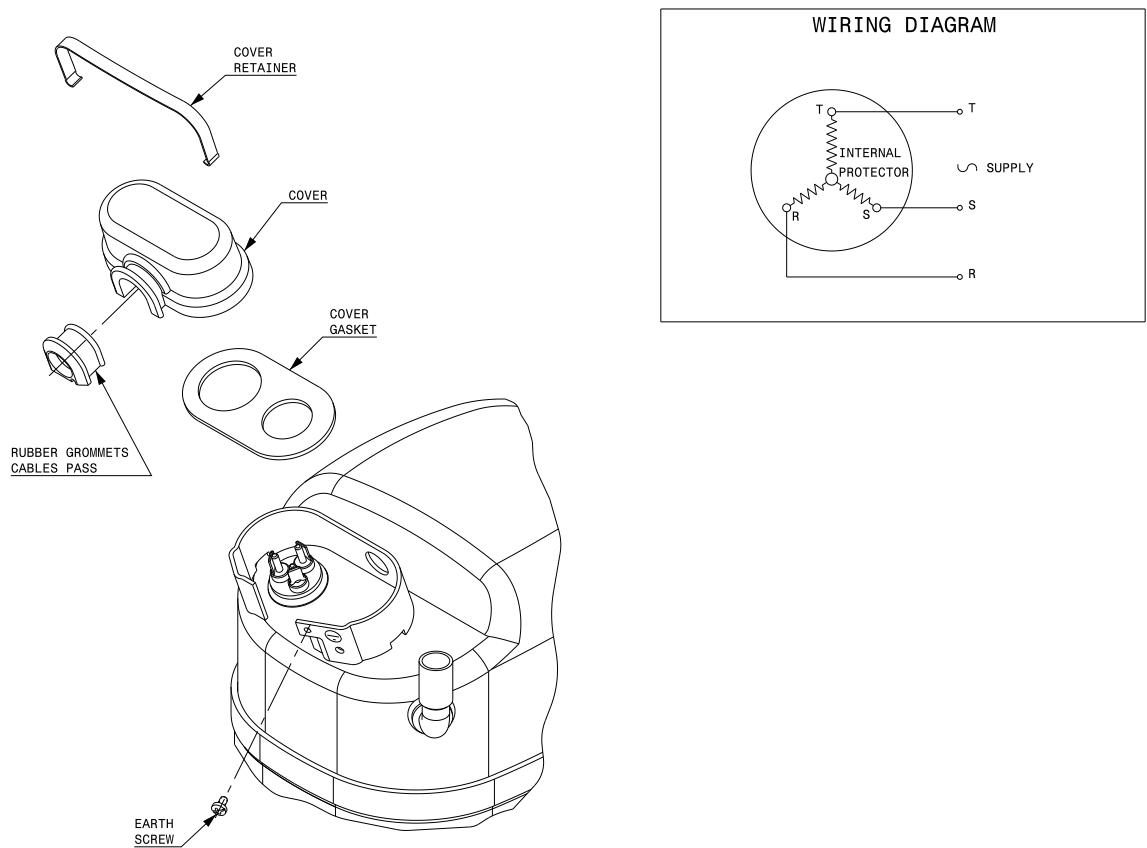
CSR CONNECTION (EXTERNAL CONNECTING BOX) (P, X ranges)



CSR CONNECTION (EXTERNAL CONNECTING BOX) (S range)



3PH CONNECTION (S range)



Applications



Glass door merchandiser



	R134a	R404A	R290
100 - 150 L	GUY60RA	ML40TB	NUY45RA
200 - 300 L	GUY80RA	ML60TB	NUY60RA
400 - 480 L	GPY12RA	MLY80RA	NUY90RA
490 - 600 L	GPY14RA	MLY90RA	NLY12RA
600 - 750 L	GPY16RA	MLY90RA	NLY12RA
750 - 1000 L	GPT18RA	MLT12RA	NPY12RA
1000 - 1400 L	GX21TB	MPT12RA	NPT14RA
1400 - 1700 L	GS26TB	MPT14RA	NPT16RA
1700 - 2000 L	GS30TB	MX18TBa	NX21TBa

PARAMETERS	
Evaporating temperature	-10°C
Internal temperature	0 a 6°C
Application	MBP / LST

Open chest display cabinet



	R134a	R404A	R290
1 m	GPY12RA	ML80TB	NUY80RA
2 m	GPY14RA	MLY80RA	NUY90RA
3 m	GPT18RA	MLT12RA	NPY12RA
4 m	GS26TB	MX16TBa	NX18TBa

PARAMETERS	
Evaporating temperature	-10°C
Internal temperature	0 a 7°C
Application	MBP / LST

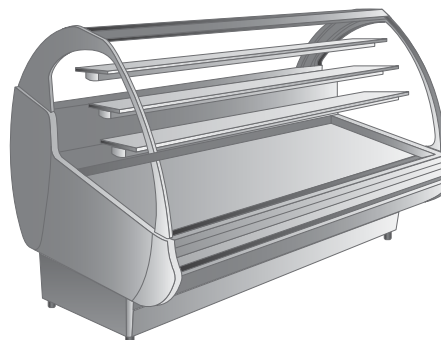
Open display mini refrigerator



	R134a	R290
90 - 130 L	GUY60RA	NUY45RA
140 - 200 L	GUY90RA	NUY60RA

PARAMETERS	
Evaporating temperature	-10°C
Internal temperature	-5°C
Application	MBP / LST

Bakery display cabinet



	R134a	R290
1 m	GUY60RA	NUY45RA
2 m	GUY90RA	NUY60RA
3 m	GPY12RA	NUY70RA

PARAMETERS	
Evaporating temperature	-5°C
Internal temperature	5 a 12°C
Application	MBP / LST

Vending machine



	R134a	R290
400 L	GPY14RA	NUY90RA
500 L	GPY16RA	NPY12RA
800 L	GPT18RA	-

PARAMETERS	
Evaporating temperature	-10°C
Internal temperature	5°C
Application	HMBP / LST

Open display refrigerator



	R134a	R290
300 L	GPY14RA	NUY90RA
400 L	GPT18RA	NPY12RA

PARAMETERS	
Evaporating temperature	-10°C
Internal temperature	-5°C
Application	MBP / LST

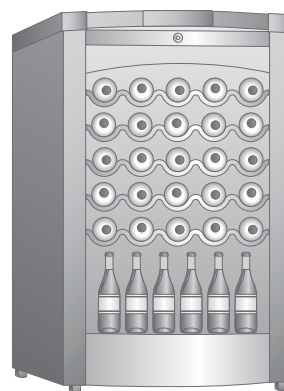
Self service cabinet



	R134a	R290
350 - 500 L	GPY12RA	NUY90RA
500 - 700 L	GPY14RA	NUY90RA
700 - 900 L	GPT18RA	NPY12RA
900 - 1000 L	GS30TB	-

PARAMETERS	
Evaporating temperature	-10 a -5°C
Internal temperature	0 a 10°C
Application	MBP / LST

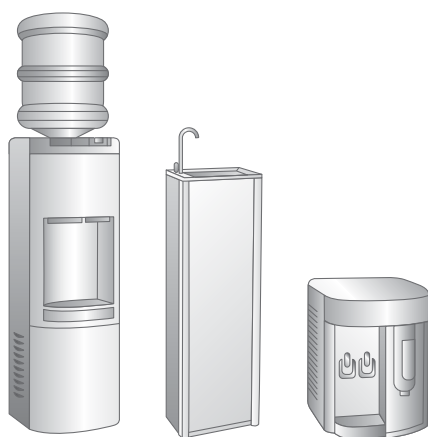
Wine cooler



	R134a	R600a	R290
24 L	B38G	HUY70MA	NBC30RA
45 - 60 L	GUY45RA	HLY99RA	-
92 - 100 L	GUY60RA	-	NUY45RA
200 L	GUY90RA	-	NUY60RA

PARAMETERS	
Evaporating temperature	-5°C
Internal temperature	-5 a 15°C
Application	HMBP / LST

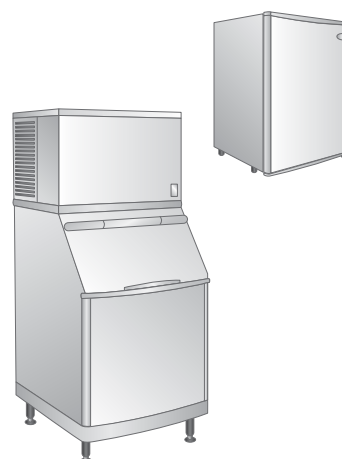
Water dispensers



	R134a	R600a	R290
2 - 4 L	B43GL	HUY70MA	NBC30RA
5 - 7 L	GUY90RA	HLY99RA	NUY60RA
8 - 12 L	GPY12RA	-	NUY90RA
13 - 17 L	GPY16RA	-	NPY12RA

PARAMETERS	
Evaporating temperature	-10 a -5°C
Internal temperature	-10°C
Application	HMBP / LST

Ice maker



	R134a	R290
24 - 48 kg/day	GLY45RA	NUY45RA
72 kg/day	GUY90RA	NUY70RA
100 kg/day	GPY16RA	NPY12RA
140 kg/day	GPT18RA	-
180 kg/day	GX23TG	-
240 kg/day	GS26TB	-

PARAMETERS	
Evaporating temperature	-10°C
Internal temperature	0°C
Application	HMBP / LST

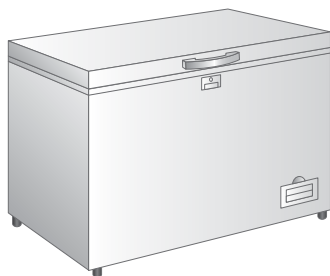
Upright freezer



	R404A	R290
100 - 200 L	ML60FB	NUT60CA
200 - 290 L	MLY80LA	NUT70CA
300 - 380 L	MLY12LA	NPY12LA
400 - 500 L	MPT16LA	NPT18LA
500 - 600 L	MPT18LA	-
600 - 700 L	MX23FBa	-

PARAMETERS	
Evaporating temperature	-30°C
Internal temperature	-18°C
Application	LBP / LST

Chest freezer



	R134a	R404A	R290
200 - 290 L	GLY80AA	MLY45LA	NUY45LA
300 - 380 L	GLY90AA	ML60FB	NUT55CA
400 - 480 L	GPY12AA	MLY60LA	NUT60CA
490 - 600 L	GPY16LA	MLY80LA	NUY90LA

PARAMETERS	
Evaporating temperature	-30°C
Internal temperature	-18°C
Application	LBP / LST

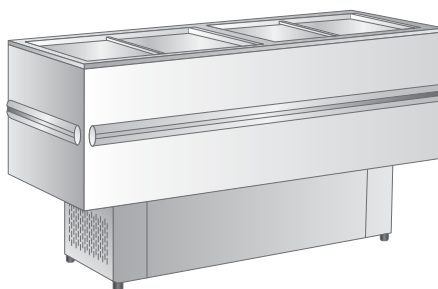
Upright commercial freezer



	R134a	R404A	R290
300 - 380 L	GLY90AA	ML60FB	NUT55CA
380 - 450 L	GPY12AA	MLY60LA	NUT60CA
450 - 520 L	GPY16LA	MLY80LA	NUY90LA

PARAMETERS	
Evaporating temperature	-30°C
Internal temperature	-18°C
Application	LBP / LST

Island freezer



	R404A	R290
1 - 1,5 m	MPT14LA	NPY14LA
2 m	MPT18LA	NPT18LA
3 m	MX23FBa	-
4 m	MS30FBa	-

PARAMETERS	
Evaporating temperature	-30°C
Internal temperature	-20 a -15°C
Application	LBP / LST

Spare parts list

Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
B35CA	123B8403	RSCR PTC	220-240V 50Hz	123B9562	123B9172		123B9229
B43CB	123B8405	RSIR Relay	220-240V 50Hz & 220-240V 60Hz	123B9572	123B9172		
B60C5BL	123B8424	RSCR PTC	110-120V 60Hz	123B9573	123B9174		123B9222
B60CBL	123B8411	RSIR PTC	220-240V 50Hz	123B9574	123B9172		
B60CBL	123B8423	RSIR PTC	220-240V 60Hz	123B9563	123B9172		
GUY60NRb	123B1301	CSIR Relay	115-127V 60Hz	123B9502	123B9136	123B9309	
GUY60NRc	123B1308	CSIR Relay	115-127V 60Hz	123B9498	123B9136	123B9309	
NBC22RA	123B8309	CSIR Relay	220-240V 50Hz	123B9563	123B9179	123B9323	
NBC30NR	123B8311	CSIR Relay	115-127V 60Hz	123B9567	123B9182	123B9323	
NBC30RA	123B8310	CSIR Relay	220-240V 50Hz	123B9568	123B9180	123B9323	
NBC35NA	123B8303	RSIR Relay	220-240V 50Hz	123B9557	123B9191		
NUY45NRa	123B3170	CSIR Relay	115-127V 60Hz	123B9470	123B9109	123B9320	
NUY45NRb	123B3314	CSR Relay + NTC	115-127V 60Hz	123B9470	123B9186	123B9320	123B9220
NUY60NRa	123B3312	CSIR Relay	115-127V 60Hz	123B9543	123B9122	123B9320	
NUY60NRc	123B3313	CSIR Relay	115-127V 60Hz	123B9482	123B9122	123B9320	
B22G	123B8115	RSIR PTC	220-240V 50Hz	123B9551	123B9170		
B22G5	123B8116	RSIR PTC	110-115V 60Hz	123B9559	123B9174		
B25G	123B8117	RSIR PTC	220-240V 50Hz & 220-240V 60Hz	123B9557	123B9173		
B25G5L	123B8119	CSIR Relay	110-115V 60Hz	123B9570	123B9181	123B9322	
B25GL	123B8118	CSIR Relay	220-240V 50Hz	123B9564	123B9178	123B9322	
B30G	123B8120	RSIR PTC	220-240V 50Hz	123B9560	123B9170		
B30G	123B8120	CSIR Relay	220-240V 50Hz	123B9567	123B9179	123B9322	
B30G5	123B8122	RSIR Relay	110-115V 60Hz	123B9571	123B9183		
B35C	123B8404	RSIR PTC	220-240V 50Hz	123B9552	123B9175		
B35C	123B8404	RSIR PTC	220-240V 50Hz & 220-240V 60Hz	123B9552	123B9175		
B35C5B	123B8417	RSIR PTC	110-115V 60Hz	123B9565	123B9177		
B35G5	123B8124	CSIR Relay	110-115V 60Hz	123B9571	123B9184	123B9322	
B35GL	123B8123	CSIR Relay	220-240V 50Hz	123B9566	123B9179	123B9323	
B38G	123B8125	CSIR Relay	220-240V 50Hz	123B9567	123B9179	123B9322	
B38G	123B8125	CSIR Relay	220-240V 50Hz & 220-240V 60Hz	123B9568	123B9180	123B9322	
B38G5L	123B8126	CSIR Relay	110-115V 60Hz	123B9571	123B9182	123B9322	
B38H	123B8103	RSIR PTC	220-240V 50Hz	123B9564	123B9170		
B38H	123B8103	RSIR PTC	220-240V 60Hz	123B9564	123B9170		
B38H5L	123B8111	RSIR PTC	110-120V 60Hz	123B9569	123B9177		
B43C5B	123B8421	RSIR PTC	110-115V 60Hz	123B9558	123B9174		
B43CB	123B8405	RSIR PTC	220-240V 50Hz	123B9554	123B9173		
B43CB	123B8405	RSCR PTC	220-240V 50Hz	123B9554	123B9172		123B9229
B43GL	123B8127	RSIR PTC	220-240V 50Hz	123B9561	123B9170		
B43H	123B8104	RSIR PTC	220-240V 50Hz & 220-240V 60Hz	123B9563	123B9170		
B52CL	123B8408	RSIR PTC	220-240V 50Hz	123B9555	123B9171		
B52CL	123B8408	RSIR PTC	220-240V 50Hz & 220-240V 60Hz	123B9555	123B9171		
B65CL	123B8413	RSIR PTC	220-240V 50Hz	123B9560	123B9171		
B65CL	123B8413	RSIR PTC	220-240V 50Hz	123B9556	123B9171		
GL11TB	123B1591	CSIR Relay	220-240V 50Hz	123B9436	123B9110	123B9312	
GL45AAa	123B1111	RSIR PTC	220-240V 50Hz	123B9440	123B9101		
GL45AAb	123B1112	CSIR Relay	220-240V 50Hz	123B9440	123B9106	123B9311	
GL45ADa	123B1153	RSIR PTC	115V 60Hz	123B9405	123B9102		
GL45ADb	123B1154	CSIR Relay	115V 60Hz	123B9405	123B9108	123B9309	
GL45ANa	123B1113	RSIR PTC	200-240V 50Hz & 220-230V 60Hz	123B9418	123B9101		
GL45MG	123B1704	CSIR Relay	230V 50/60Hz	123B9444	123B9112	123B9311	
GL45PB	123B1515	RSIR Relay	220-240V 50Hz	123B9404	123B9114		

Danfoss Light Commercial Refrigeration Compressors

Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
GL45PE	123B1568	RSIR Relay	115V 60Hz	123B9445	123B9115		
GL45TB	123B1516	CSIR Relay	220-240V 50Hz	123B9404	123B9111	123B9311	
GL45TE	123B1569	CSIR Relay	115V 60Hz	123B9445	123B9116	123B9309	
GL45TG	123B1517	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9525	123B9107	123B9311	
GL60AAa	123B1116	RSIR PTC	220-240V 50Hz	123B9418	123B9101		
GL60AAb	123B1117	CSIR Relay	220-240V 50Hz	123B9404	123B9111	123B9311	
GL60ADa	123B1155	RSIR PTC	115V 60Hz	123B9433	123B9102		
GL60ADb	123B1156	CSIR Relay	115V 60Hz	123B9425	123B9116	123B9309	
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	
GL60MG	123B1705	CSIR Relay	230V 50/60Hz	123B9402	123B9107	123B9311	
GL60PB	123B1520	RSIR Relay	220-240V 50Hz	123B9439	123B9117		
GL60PE	123B1570	RSIR Relay	115V 60Hz	123B9456	123B9168		
GL60TB	123B1521	CSIR Relay	220-240V 50Hz	123B9454	123B9112	123B9311	
GL60TC	123B1523	CSIR Relay	100V 50/60Hz	123B9455	123B9118	123B9309	
GL60TE	123B1571	CSIR Relay	115V 60Hz	123B9456	123B9118	123B9309	
GL60TG	123B1522	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9457	123B9107	123B9311	
GL70ANa	123B1173	RSIR PTC	200-220V 50Hz & 220-230V 60Hz	123B9402	123B9101		
GL80AAa	123B1123	RSIR PTC	220-240V 50Hz	123B9461	123B9101		
GL80AAb	123B1124	CSIR Relay	220-240V 50Hz	123B9454	123B9112	123B9312	
GL80ADa	123B1157	RSIR PTC	115V 60Hz	123B9432	123B9102		
GL80ADb	123B1158	CSIR Relay	115V 60Hz	123B9462	123B9118	123B9318	
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	
GL80MG	123B1706	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9425	123B9119	123B9312	
GL80PB	123B1526	RSIR Relay	220-240V 50Hz	123B9466	123B9120		
GL80PE	123B1574	RSIR Relay	115V 60Hz	123B9467	123B9121		
GL80TB	123B1527	CSIR Relay	220-240V 50Hz	123B9468	123B9107	123B9312	
GL80TC	123B1529	CSIR Relay	100V 50/60Hz	123B9469	123B9122	123B9318	
GL80TE	123B1575	CSIR Relay	115V 60Hz	123B9467	123B9122	123B9318	
GL80TG	123B1528	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9470	123B9119	123B9312	
GL90AAa	123B1130	RSIR PTC	220-240V 50Hz	123B9402	123B9101		
GL90AAb	123B1131	CSIR Relay	220-240V 50Hz	123B9444	123B9112	123B9312	
GL90ADa	123B1159	RSIR PTC	115V 60Hz	123B9471	123B9102		
GL90ADb	123B1160	CSIR Relay	115V 60Hz	123B9472	123B9122	123B9318	
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	
GL90MG	123B1707	CSIR Relay	230V 50/60Hz	123B9477	123B9109	123B9312	
GL90PB	123B1532	RSIR Relay	220-240V 50Hz	123B9417	123B9123		
GL90PE	123B1578	RSIR Relay	115V 60Hz	123B9469	123B9121		
GL90TB	123B1533	CSIR Relay	220-240V 50Hz	123B9457	123B9110	123B9312	
GL90TC	123B1535	CSIR Relay	100V 50/60Hz	123B9478	123B9122	123B9318	
GL90TE	123B1579	CSIR Relay	115V 60Hz	123B9469	123B9122	123B9318	
GL90TG	123B1534	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9435	123B9109	123B9312	
GL99AAa	123B1165	RSIR PTC	220-240V 50Hz	123B9480	123B9101		
GL99AAb	123B1166	CSIR Relay	220-240V 50Hz	123B9444	123B9108	123B9315	
GL99ADa	123B1161	RSIR PTC	115V 60Hz	123B9471	123B9102		
GL99ADb	123B1162	CSIR Relay	115V 60Hz	123B9471	123B9122	123B9318	
GLM12LAa	123B1168	CSIR Relay	220-240V 50Hz	123B9465	123B9119	123B9312	
GLM12Lab	123B1169	CSR Relay + NTC	220-240V 50Hz	123B9465	123B9128	123B9312	123B9211

Danfoss Light Commercial Refrigeration Compressors

Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
GLT80TDC	123B1902	ECM	24-42V DC	123B9322	-		
GLT99FSN	123B1991	ECM	220-240V 50Hz	123B9483	-		
GLY12NRa	123B1304	CSIR Relay	115-127V 60Hz	123B9491	123B9122	123B9314	
GLY12NRb	123B1305	CSR Relay + NTC	115-127V 60Hz	123B9491	123B9124	123B9314	123B9216
GLY12RAa	123B1708	CSIR Relay	220-240V 50Hz	123B9549	123B9110	123B9312	
GLY12RAb	123B1709	CSR Relay + NTC	220-240V 50Hz	123B9549	123B9169	123B9312	123B9212
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
GLY12RRa	123B1601	CSIR Relay	115-127V 60Hz	123B9491	123B9134	123B9318	
GLY12RRb	123B1599	CSR Relay + NTC	115-127V 60Hz	123B9491	123B9141	123B9318	123B9216
GLY45AAa	123B1109	RSIR PTC	220-240V 50Hz	123B9486	123B9101		
GLY45AAb	123B1110	RSCR PTC	220-240V 50Hz	123B9486	123B9101		123B9209
GLY45RAa	123B1513	CSIR Relay	220-240V 50Hz	123B9404	123B9111	123B9311	
GLY45RAb	123B1514	CSR Relay + NTC	220-240V 50Hz	123B9404	123B9125	123B9311	123B9210
GLY60AAa	123B1114	RSIR PTC	220-240V 50Hz	123B9516	123B9101		
GLY60AAb	123B1115	RSCR PTC	220-240V 50Hz	123B9516	123B9101		123B9210
GLY60RAa	123B1518	CSIR Relay	220-240V 50Hz	123B9454	123B9112	123B9311	
GLY60RAb	123B1519	CSR Relay + NTC	220-240V 50Hz	123B9454	123B9126	123B9311	123B9210
GLY70AAa	123B1170	RSIR PTC	220-240V 50Hz	123B9576	123B9101		
GLY70AAb	123B1171	RSCR PTC	220-240V 50Hz	123B9576	123B9101		123B9210
MX16TE	123B2548	CSR Box Size X	115V 60Hz	123B9714	123B9190	123B9324	123B9230
MX18TE	123B2545	CSR Box Size X	115V 60Hz	123B9714	123B9190	123B9324	123B9230
GLY80AAa	123B1121	RSIR PTC	220-240V 50Hz	123B9402	123B9101		
GLY80AAb	123B1122	RSCR PTC	220-240V 50Hz	123B9402	123B9101		123B9211
GLY80RAa	123B1524	CSIR Relay	220-240V 50Hz	123B9488	123B9107	123B9312	
GLY80RAb	123B1525	CSR Relay + NTC	220-240V 50Hz	123B9488	123B9127	123B9312	123B9211
GLY80RDa	123B1572	CSIR Relay	115V 60Hz	123B9472	123B9122	123B9313	
GLY80RDb	123B1573	CSR Relay + NTC	115V 60Hz	123B9489	123B9124	123B9313	123B9216
GLY90AAa	123B1128	RSIR PTC	220-240V 50Hz	123B9408	123B9101		
GLY90AAb	123B1129	RSCR PTC	220-240V 50Hz	123B9408	123B9101		123B9211
GLY90RAa	123B1530	CSIR Relay	220-240V 50Hz	123B9435	123B9119	123B9312	
GLY90RAb	123B1531	CSR Relay + NTC	220-240V 50Hz	123B9466	123B9128	123B9312	123B9211
GLY90RDa	123B1576	CSIR Relay	115V 60Hz	123B9491	123B9129	123B9313	
GLY90RDb	123B1577	CSR Relay + NTC	115V 60Hz	123B9472	123B9130	123B9313	123B9216
GP12CB	123B1139	RSIR Relay	220-240V 50Hz	123B9465	123B9123		
GP12FB	123B1140	CSIR Relay	220-240V 50Hz	123B9465	123B9110	123B9312	
GP12PB	123B1592	RSIR Relay	220-240V 50Hz	123B9436	123B9131		
GP12PE	123B1582	RSIR Relay	115V 60Hz	123B9494	123B9132		
GP12TB	123B1593	CSIR Relay	220-240V 50Hz	123B9436	123B9110	123B9312	
GP12TE	123B1583	CSIR Relay	115V 60Hz	123B9494	123B9134	123B9318	
GP12TG	123B1594	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9495	123B9116	123B9312	
GP12YG	123B1802	CSIR Relay	230V 50/60Hz	123B9472	123B9136	123B9312	
GP14CB	123B1141	RSIR Relay	220-240V 50Hz	123B9466	123B9131		
GP14CG	123B1142	RSIR Relay	200-220V 50Hz & 230V 60Hz	123B9470	123B9115	-	
GP14FB	123B1143	CSIR Relay	220-240V 50Hz	123B9417	123B9119	123B9316	
GP14FC	123B1144	CSIR Relay	100V 50/60Hz	123B9494	123B9134	123B9314	
GP14FE	123B1163	CSIR Relay	115V 60Hz	123B9494	123B9134	123B9314	
GP14PB	123B1538	RSIR Relay	220-240V 50Hz	123B9455	123B9135		
GP14PE	123B1586	RSIR Relay	115V 60Hz	123B9496	123B9132		
GP14TB	123B1712	CSIR Relay	220-240V 50Hz	123B9455	123B9116	123B9312	
GP14TE	123B1587	CSIR Relay	115V 60Hz	123B9496	123B9134	123B9318	
GP14TG	123B1539	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9497	123B9136	123B9312	
GP14YB	123B1803	RSCR PTC	220-240V 50Hz	123B9432	123B9113		123B9219

Danfoss Light Commercial Refrigeration Compressors

Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
GP16CB	123B1147	RSIR Relay	220-240V 50Hz	123B9466	123B9115		
GP16FB	123B1148	CSIR Relay	220-240V 50Hz	123B9466	123B9116	123B9316	
GP16FC	123B1149	CSIR Relay	100V 50/60Hz	123B9494	123B9134	123B9314	
GP16FE	123B1164	CSIR Relay	115V 60Hz	123B9494	123B9134	123B9314	
GP16TB	123B1713	CSIR Relay	220-240V 50Hz	123B9498	123B9136	123B9316	
GP16TE	123B1718	CSIR Relay	115V 60Hz	123B9496	123B9137	123B9318	
GP16TG	123B1714	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9482	123B9118	123B9316	
GP16YGb	123B1805	CSR Relay + NTC	230V 50/60Hz	123B9494	123B9139	123B9312	123B9222
GPM16RA	123B1719	CSIR Relay	220-240V 50Hz	123B9455	123B9118	123B9315	
GPT16RG	123B1715	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9498	123B9139	123B9316	123B9225
GPT18RA	123B1716	CSR Relay + NTC	220-240V 50Hz	123B9499	123B9139	123B9312	123B9225
GPY12AAa	123B1135	RSIR PTC	220-240V 50Hz	123B9408	123B9101		
GPY12AAb	123B1136	RSCR PTC	220-240V 50Hz	123B9408	123B9101		123B9212
GPY12LAa	123B1137	CSIR Relay	220-240V 50Hz	123B9421	123B9109	123B9315	
GPY12LAb	123B1138	CSR Relay + NTC	220-240V 50Hz	123B9421	123B9140	123B9315	123B9222
GPY12RAa	123B1536	CSIR Relay	220-240V 50Hz	123B9502	123B9116	123B9312	
GPY12RAb	123B1537	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9133	123B9312	123B9212
GPY12RDa	123B1580	CSIR Relay	115V 60Hz	123B9494	123B9134	123B9314	
GPY12RDb	123B1581	CSR Relay + NTC	115V 60Hz	123B9491	123B9141	123B9314	123B9216
GPY14NDa	123B1311	CSIR Relay	115V 60Hz	123B9494	123B9138	123B9320	
GPY14NDb	123B1312	CSR Relay + NTC	115V 60Hz	123B9494	123B9143	123B9320	123B9220
GPY14NGa	123B1313	CSIR Relay	200-220V 50Hz&220-230V 60Hz	123B9502	123B9136	123B9316	
GPY14NGb	123B1314	CSR Relay + NTC	200-220V 50Hz&220-230V 60Hz	123B9502	123B9151	123B9316	123B9212
GPY14RAa	123B1540	CSIR Relay	220-240V 50Hz	123B9499	123B9116	123B9315	
GPY14RAb	123B1541	CSR Relay + NTC	220-240V 50Hz	123B9498	123B9133	123B9315	123B9222
GPY14RDa	123B1584	CSIR Relay	115-127V 60Hz	123B9496	123B9138	123B9314	
GPY14RDb	123B1585	CSR Relay + NTC	115-127V 60Hz	123B9496	123B9143	123B9314	123B9217
GPY16LAa	123B1145	CSIR Relay	220-240V 50Hz	123B9466	123B9109	123B9312	
GPY16LAb	123B1146	CSR Relay + NTC	220-240V 50Hz	123B9466	123B9140	123B9312	123B9222
GPY16RAa	123B1542	CSIR Relay	220-240V 50Hz	123B9499	123B9118	123B9315	
GPY16RAb	123B1543	CSR Relay + NTC	220-240V 50Hz	123B9499	123B9139	123B9315	123B9222
GPY16RDa	123B1588	CSIR Relay	115-127V 60Hz	123B9496	123B9138	123B9314	
GPY16RDb	123B1589	CSR Relay + NTC	115-127V 60Hz	123B9496	123B9143	123B9314	123B9217
GS26T3	123B1551	3ph Size S	400-440V 50/60Hz 3ph	123B9505	-		
GS26TB	123B1549	CSIR Box Size S	220-240V 50Hz	123B9550	123B9146	123B9304	
GS26TG	123B1550	CSIR Box Size S	200-220V 50Hz & 220-230V 60Hz	123B9507	123B9146	123B9304	
GS30TB	123B1552	CSR Box Size S	220-240V 50Hz	123B9506	123B9146	123B9302	123B9219
GS30TG	123B1553	CSR Box Size S	200-220V 50Hz & 220-230V 60Hz	123B9507	123B9147	123B9304	123B9205
MLY80LAb	123B2114	CSR Relay + NTC	220-240V 50Hz	123B9714	123B9128	123B9312	123B9222
GS34TF	123B1590	CSR Box Size S	220-230V 60Hz	123B9509	123B9147	123B9304	123B9205
GS34TG	123B1614	CSR Box Size S	200-220V 50Hz & 220-230V 60Hz	123B9507	123B9147	123B9304	123B9205
GUY60RAa	123B1608	CSIR Relay	220-240V 50Hz	123B9414	123B9112	123B9311	
GUY60RAb	123B1609	CSR Relay + NTC	220-240V 50Hz	123B9414	123B9126	123B9311	123B9211
GUY70NRb	123B1307	CSIR Relay	115-127V 60Hz	123B9499	123B9118	123B9320	
GUY70NRc	123B1309	CSIR Relay	115-127V 60Hz	123B9497	123B9118	123B9320	
GUY72RCa	123B1617	CSIR Relay	100V 50/60Hz	123B9491	123B9118	123B9320	
GUY72RCb	123B1618	CSR Relay + NTC	100V 50/60Hz	123B9491	123B9150	123B9320	123B9216
GUY80NRb	123B1303	CSIR Relay	115-127V 60Hz	123B9498	123B9118	123B9309	
GUY80NRc	123B1310	CSIR Relay	115-127V 60Hz	123B9497	123B9118	123B9309	
GUY80RAa	123B1610	CSIR Relay	220-240V 50Hz	123B9488	123B9107	123B9311	
GUY80RAb	123B1611	CSR Relay + NTC	220-240V 50Hz	123B9488	123B9127	123B9311	123B9211
GUY90RAa	123B1612	CSIR Relay	220-240V 50Hz	123B9468	123B9119	123B9311	
GUY90RAb	123B1613	CSR Relay + NTC	220-240V 50Hz	123B9468	123B9128	123B9311	123B9211
GX18TB	123B1544	CSIR Relay	220-240V 50Hz	123B9482	123B9122	123B9315	

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Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
GX18TG	123B1545	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9489	123B9129	123B9315	
GX21FB	123B1167	CSIR Relay	220-240V 50Hz	123B9498	123B9136	123B9315	
GX21TB	123B1546	CSIR Relay	220-240V 50Hz	123B9472	123B9129	123B9316	
GX23TB	123B1547	CSIR Relay	220-240V 50Hz	123B9491	123B9129	123B9316	
GX23TG	123B1548	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9496	123B9134	123B9316	
HD40AA	123B4101	RSIR PTC	220-240V 50Hz	123B9401	123B9101		
HD40MBa	123B4501	RSIR PTC	220-240V 50Hz	123B9511	123B9101		
HL45AAa	123B4102	RSIR PTC	220-240V 50Hz	123B9512	123B9101		
HL45AAb	123B4103	RSCR PTC	220-240V 50Hz	123B9512	123B9101		123B9209
HL45AAa	123B4104	RSIR PTC	220-240V 50Hz	123B9513	123B9101		
HL45AAb	123B4105	RSCR PTC	220-240V 50Hz	123B9513	123B9101		123B9209
HL45MAa	123B4502	RSIR PTC	220-240V 50Hz	123B9407	123B9101		
HL45MAb	123B4503	RSCR PTC	220-240V 50Hz	123B9407	123B9101		123B9209
HL47AAa	123B4106	RSIR PTC	220-240V 50Hz	123B9515	123B9101		
HL47AAb	123B4107	RSCR PTC	220-240V 50Hz	123B9515	123B9101		123B9209
HL47MAa	123B4507	RSIR PTC	220-240V 50Hz	123B9458	123B9101		
HL47MAb	123B4508	RSCR PTC	220-240V 50Hz	123B9458	123B9101		123B9209
HL48AAa	123B4108	RSIR PTC	220-240V 50Hz	123B9486	123B9101		
HL48AAb	123B4109	RSCR PTC	220-240V 50Hz	123B9486	123B9101		123B9209
HL49AAa	123B4110	RSIR PTC	220-240V 50Hz	123B9407	123B9101		
HL49AAb	123B4111	RSCR PTC	220-240V 50Hz	123B9407	123B9101		123B9210
HL49AAa	123B4112	RSIR PTC	220-240V 50Hz	123B9407	123B9101		
HL49AAb	123B4113	RSCR PTC	220-240V 50Hz	123B9407	123B9101		123B9210
HL49RAa	123B4513	CSIR Relay	220-240V 50Hz	123B9439	123B9111	123B9312	
HL49RAb	123B4514	CSR Relay + NTC	220-240V 50Hz	123B9439	123B9125	123B9312	123B9211
HPY12AAa	123B4114	RSIR PTC	220-240V 50Hz	123B9458	123B9101		
HPY12AAb	123B4115	RSCR PTC	220-240V 50Hz	123B9458	123B9101		123B9210
HPY12AGa	123B4116	RSIR PTC	200-220V 50Hz & 220-230V 60Hz	123B9461	123B9101		
HPY12AGb	123B4117	RSCR PTC	200-220V 50Hz & 220-230V 60Hz	123B9461	123B9101		123B9210
HPY12RAa	123B4515	CSIR Relay	220-240V 50Hz	123B9454	123B9107	123B9312	
HPY12RAb	123B4516	CSR Relay + NTC	220-240V 50Hz	123B9454	123B9127	123B9312	123B9212
HPY14AAa	123B4118	RSIR PTC	220-240V 50Hz	123B9461	123B9101		
HPY14AAb	123B4119	RSCR PTC	220-240V 50Hz	123B9516	123B9101		123B9211
HPY14AJa	123B4120	RSIR PTC	100V 50/60Hz	123B9517	123B9102		
HPY14AJb	123B4121	RSCR PTC	100V 50/60Hz	123B9517	123B9102		123B9217
HPY14RAa	123B4517	CSIR Relay	220-240V 50Hz	123B9465	123B9107	123B9312	
HPY14RAb	123B4518	CSR Relay + NTC	220-240V 50Hz	123B9465	123B9127	123B9312	123B9212
HPY16AAa	123B4122	RSIR PTC	220-240V 50Hz	123B9480	123B9101		
HPY16AAb	123B4123	RSCR PTC	220-240V 50Hz	123B9480	123B9101		123B9211
HPY16RAa	123B4519	CSIR Relay	220-240V 50Hz	123B9457	123B9107	123B9312	
HPY16RAb	123B4520	CSR Relay + NTC	220-240V 50Hz	123B9457	123B9127	123B9312	123B9212
HUY55MAa	123B4505	RSIR PTC	220-240V 50Hz	123B9515	123B9101		
HUY55MAb	123B4506	RSCR PTC	220-240V 50Hz	123B9515	123B9101		123B9209
HUY70MAa	123B4511	RSIR PTC	220-240V 50Hz	123B9541	123B9101		
HUY70MAb	123B4512	RSCR PTC	220-240V 50Hz	123B9541	123B9101		123B9209
L22CL	123B8401	RSIR PTC	220-240V 50Hz	123B9562	123B9175		
L22HL	123B8101	RSIR PTC	220-240V 50Hz	123B9562	123B9170		
L30CL	123B8402	RSIR PTC	220-240V 50Hz & 220-240V 60Hz	123B9553	123B9175		
L30HL	123B8102	RSIR PTC	220-240V 50Hz & 220-240V 60Hz	123B9557	123B9170		
L40TN	123B5522	CSIR Relay	220-240V 50Hz	123B9451	123B9105	123B9311	
L45TN	123B5502	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9417	123B9108	123B9311	
L45TN	123B5501	CSIR Relay	220-240V 50Hz	123B9451	123B9105	123B9311	
L57TN	123B5503	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9436	123B9119	123B9311	
L57TNb	123B5505	CSIR Relay	220-240V 50Hz	123B9464	123B9108	123B9311	

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Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
L76TN	123B5507	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9455	123B9109	123B9312	
L76TN	123B5506	CSIR Relay	220-240V 50Hz	123B9502	123B9110	123B9312	
L88TN	123B5518	CSIR Relay	115-127V 60Hz	123B9496	123B9134	123B9314	
L88TN	123B5509	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9469	123B9116	123B9312	
L88TN	123B5508	CSIR Relay	220-240V 50Hz	123B9455	123B9116	123B9312	
ML40TB	123B2501	CSIR Relay	220-240V 50Hz	123B9417	123B9107	123B9311	
ML40TG	123B2502	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9464	123B9108	123B9311	
ML45FB	123B2103	CSIR Relay	220-240V 50Hz	123B9439	123B9112	123B9311	
ML45FG	123B2104	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9439	123B9107	123B9311	
ML45FR	123B2160	CSIR Relay	115-127V 60Hz	123B9499	123B9136	123B9309	
ML45TB	123B2503	CSIR Relay	220-240V 50Hz	123B9417	123B9107	123B9311	
ML45TG	123B2504	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9470	123B9108	123B9311	
ML60FB	123B2107	CSIR Relay	220-240V 50Hz	123B9454	123B9107	123B9311	
ML60FG	123B2108	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9466	123B9119	123B9311	
ML60FR	123B2143	CSIR Relay	115-127V 60Hz	123B9482	123B9118	123B9309	
ML60TB	123B2507	CSIR Relay	220-240V 50Hz	123B9464	123B9108	123B9311	
ML60TG	123B2508	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9436	123B9110	123B9311	
ML60TR	123B2529	CSIR Relay	115-127V 60Hz	123B9472	123B9122	123B9318	
ML80FB	123B2111	CSIR Relay	220-240V 50Hz	123B9466	123B9109	123B9312	
ML80FG	123B2112	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9502	123B9136	123B9312	
ML80FR	123B2146	CSIR Relay	115-127V 60Hz	123B9494	123B9129	123B9318	
ML80TB	123B2511	CSIR Relay	220-240V 50Hz	123B9436	123B9110	123B9312	
ML80TG	123B2512	CSIR Relay	200-240V 50Hz & 220-230V 60Hz	123B9455	123B9116	123B9312	
ML90FB	123B2115	CSIR Relay	220-240V 50Hz	123B9523	123B9109	123B9312	
ML90FG	123B2116	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9502	123B9136	123B9312	
ML90FR	123B2147	CSIR Relay	115-127V 60Hz	123B9494	123B9134	123B9318	
ML90TB	123B2515	CSIR Relay	220-240V 50Hz	123B9455	123B9116	123B9312	
ML90TG	123B2516	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9482	123B9136	123B9312	
MLT12RA	123B2540	CSR Relay + NTC	220-240V 50Hz	123B9495	123B9151	123B9315	123B9219
MLT12RG	123B2532	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9489	123B9151	123B9316	123B9215
MLT90CD	123B2149	RSCR PTC	115V 60Hz	123B9432	123B9102	-	123B9216
MLT90CDc	123B2150	CSR Relay + NTC	115V 60Hz	123B9472	123B9130	123B9313	123B9216
MLT90LD	123B2148	CSR Relay + NTC	115V 60Hz	123B9472	123B9130	123B9313	123B9216
MLY12LAa	123B2119	CSIR Relay	220-240V 50Hz	123B9502	123B9116	123B9312	
MLY12LAB	123B2120	CSR Relay + NTC	220-240V 50Hz	123B9502	123B9133	123B9312	123B9222
MLY12Lfa	123B2179	CSIR Relay	208-230V 60Hz	123B9498	123B9122	123B9312	
MLY12Lfb	123B2180	CSR Relay + NTC	208-230V 60Hz	123B9498	123B9160	123B9312	123B9212
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
MLY12LRa	123B2181	CSIR Relay	115-127V 60Hz	123B9527	123B9137	123B9314	
MLY12LRb	123B2182	CSR Relay + NTC	115-127V 60Hz	123B9527	123B9187	123B9314	123B9216
MLY40AAa	123B2101	RSIR PTC	220-240V 50Hz	123B9461	123B9101		
MLY40AAb	123B2102	RSCR PTC	220-240V 50Hz	123B9461	123B9101		123B9211
MLY45LAa	123B2105	CSIR Relay	220-240V 50Hz	123B9431	123B9112	123B9311	
MLY45LAB	123B2106	CSR Relay + NTC	220-240V 50Hz	123B9431	123B9126	123B9311	123B9211
MLY45LRa	123B2141	CSIR Relay	115-127V 60Hz	123B9499	123B9136	123B9309	
MLY45LRb	123B2142	CSR Relay + NTC	115-127V 60Hz	123B9499	123B9148	123B9309	123B9216
MLY60LAa	123B2109	CSIR Relay	220-240V 50Hz	123B9454	123B9107	123B9311	
MLY60LAB	123B2110	CSR Relay + NTC	220-240V 50Hz	123B9454	123B9127	123B9311	123B9211
MLY60Lda	123B2144	CSIR Relay	115V 60Hz	123B9482	123B9118	123B9313	
MLY60Ldb	123B2145	CSR Relay + NTC	115V 60Hz	123B9499	123B9150	123B9313	123B9216
MLY60RAa	123B2505	CSIR Relay	220-240V 50Hz	123B9502	123B9119	123B9311	
MLY60Rab	123B2506	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9128	123B9311	123B9212
MLY60RDa	123B2527	CSIR Relay	115V 60Hz	123B9491	123B9122	123B9313	

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Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
MLY60RDb	123B2528	CSR Relay + NTC	115V 60Hz	123B9472	123B9124	123B9313	123B9216
MLY80LAa	123B2113	CSIR Relay	220-240V 50Hz	123B9470	123B9119	123B9312	
NUT55LRa	123B3147	CSIR Relay	115-127V 60Hz	123B9714	123B9116	123B9303	
MLY80RAa	123B2509	CSIR Relay	220-240V 50Hz	123B9498	123B9116	123B9315	
MLY80RAb	123B2510	CSR Relay + NTC	220-240V 50Hz	123B9502	123B9133	123B9315	123B9222
MLY80RDa	123B2530	CSIR Relay	115V 60Hz	123B9494	123B9134	123B9314	
MLY80RDb	123B2531	CSR Relay + NTC	115V 60Hz	123B9491	123B9141	123B9314	123B9216
MLY90LAa	123B2117	CSIR Relay	220-240V 50Hz	123B9470	123B9109	123B9315	
MLY90LAb	123B2118	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9140	123B9315	123B9222
MLY90RAa	123B2513	CSIR Relay	220-240V 50Hz	123B9499	123B9116	123B9315	
MLY90RAb	123B2514	CSR Relay + NTC	220-240V 50Hz	123B9498	123B9133	123B9315	123B9222
MP12FB	123B2165	CSIR Relay	220-240V 50Hz	123B9435	123B9116	123B9312	
MP12FG	123B2166	CSIR Relay	200-220V 50Hz & 220-230V 60Hz	123B9499	123B9136	123B9315	
MP12FR	123B2151	CSIR Relay	115-127V 60Hz	123B9496	123B9134	123B9318	
NUT55LRb	123B3148	CSR Relay + NTC	115-127V 60Hz	123B9714	123B9189	123B9303	123B9216
MP12TG	123B2517	CSR Box	200-220V 50Hz & 220-230V 60Hz	123B9482	123B9153	123B9307	123B9222
MP14FB	123B2124	CSIR Relay	220-240V 50Hz	123B9455	123B9136	123B9316	
MP14FE	123B2154	CSIR Relay	115V 60Hz	123B9496	123B9138	123B9318	
MP14FG	123B2125	CSIR Relay	200-220V 50Hz & 230V 60Hz	123B9498	123B9118	123B9316	
MPT12CD	123B2153	RSCR PTC	115V 60Hz	123B9471	123B9102	123B9322	123B9216
MPT12LA	123B2123	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9133	123B9312	123B9222
MPT12LD	123B2152	CSR Relay + NTC	115V 60Hz	123B9527	123B9141	123B9314	123B9216
MPT12RA	123B2518	CSR Relay + NTC	220-240V 50Hz	123B9495	123B9151	123B9315	123B9215
MPT12RG	123B2703	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9489	123B9151	123B9316	123B9215
MPT14LA	123B2126	CSR Relay + NTC	220-240V 50Hz	123B9498	123B9151	123B9312	123B9222
MPT14LD	123B2155	CSR Relay + NTC	115V 60Hz	123B9496	123B9143	123B9314	123B9227
MPT14LF	123B2156	CSR Relay + NTC	208-230V 60Hz	123B9498	123B9139	123B9315	123B9219
MPT14RA	123B2704	CSR Relay + NTC	220-240V 50Hz	123B9482	123B9139	123B9315	123B9226
MPT16LA	123B2127	CSR Relay + NTC	220-240V 50Hz	123B9502	123B9151	123B9316	123B9219
MPT18LA	123B2128	CSR Relay + NTC	220-240V 50Hz	123B9497	123B9139	123B9316	123B9219
MS18T3	123B2520	3ph Size S	400-440V 50/60Hz 3ph	123B9505	-		
MS22T3	123B2522	3ph Size S	400-440V 50/60Hz 3ph	123B9505	-		
MS22TB	123B2521	CSR Box Size S	220-240V 50Hz	123B9507	123B9154	123B9302	123B9215
MS26F3	123B2136	3ph Size S	400-440V 50/60Hz 3ph	123B9505	-		
MS26FB	123B2134	CSR Box Size S	220-240V 50Hz	123B9550	123B9155	123B9304	123B9219
MS26FF	123B2157	CSR Box Size S	208-230V 60Hz	123B9529	123B9153	123B9304	123B9208
MS26FG	123B2135	CSR Box Size S	200-220V 50Hz & 230V 60Hz	123B9530	123B9153	123B9304	123B9208
MS26T3	123B2525	3ph Size S	400-440V 50/60Hz 3ph	123B9531	-		
MS26TB	123B2523	CSR Box Size S	220-240V 50Hz	123B9507	123B9154	123B9304	123B9215
MS26TG	123B2524	CSR Box Size S	200-220V 50Hz & 230V 60Hz	123B9509	123B9156	123B9304	123B9226
MS30F3	123B2138	3ph Size S	400-440V 50/60Hz 3ph	123B9532	-		
MS30FB	123B2137	CSR Box Size S	220-240V 50Hz	123B9533	123B9152	123B9304	123B9215
MS30FF	123B2158	CSR Box Size S	208-230V 60Hz	123B9509	123B9153	123B9304	123B9208
MS30FG	123B2159	CSR Box Size S	230V 60Hz	123B9533	123B9156	123B9304	123B9226
MS34F3	123B2140	3ph Size S	400-440V 50/60Hz 3ph	123B9534	-		
MS34FB	123B2139	CSR Box Size S	220V 50Hz	123B9507	123B9157	123B9304	123B9215
MS34FF	123B2174	CSR Box Size S	208V 60Hz	123B9536	123B9156	123B9304	123B9208
MS34T3	123B2526	3ph Size S	400-440V 50/60Hz 3ph	123B9537	-		
MS34TB	123B2710	CSR Box Size S	220-240V 50Hz	123B9538	123B9154	123B9304	123B9226
MS34TG	123B2711	CSR Box Size S	200-220V 50Hz & 230V 60Hz	123B9548	123B9156	123B9304	123B9228
MX16TBa	123B2706	CSR Relay + NTC	220-240V 50Hz	123B9491	123B9159	123B9321	123B9219
MX18FBa	123B2129	CSR Relay + NTC	220-240V 50Hz	123B9497	123B9139	123B9312	123B9219
MX18TBa	123B2707	CSR Relay + NTC	220-240V 50Hz	123B9491	123B9159	123B9321	123B9219
MX18TG	123B2519	CSR Box	200-220V 50Hz & 220-230V 60Hz	123B9494	123B9156	123B9302	123B9208

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Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
MX18TGa	123B2541	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9496	123B9159	123B9304	123B9215
MX21FBa	123B2130	CSR Relay + NTC	220-240V 50Hz	123B9482	123B9160	123B9316	123B9219
MX21FG	123B2131	CSR Box	200-220V 50Hz & 220-230V 60Hz	123B9472	123B9156	123B9302	123B9208
MX21TBa	123B2708	CSR Relay + NTC	220-240V 50Hz	123B9494	123B9161	123B9321	123B9215
MX21TG	123B2709	CSR Box	200-220V 50Hz & 230V 60Hz	123B9496	123B9156	123B9302	123B9208
MX21TGa	123B2714	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9496	123B9161	123B9321	123B9208
MX23FBa	123B2132	CSR Relay + NTC	220-240V 50Hz	123B9472	123B9159	123B9316	123B9219
MX23FG	123B2133	CSR Box	200-220V 50Hz & 220-230V 60Hz	123B9491	123B9153	123B9304	123B9215
MX23FGa	123B2183	CSR Relay + NTC	200-220V 50Hz & 220-230V 60Hz	123B9491	123B9159	123B9321	123B9215
NL40TBb	123B3526	CSIR Relay	220-240V 50Hz	123B9454	123B9105	123B9311	
NLY12LAa	123B3118	CSIR Relay	220-240V 50Hz	123B9470	123B9116	123B9312	
NLY12LAB	123B3119	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9133	123B9312	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	123B9212
NLY12RAa	123B3529	CSIR Relay	220-240V 50Hz	123B9495	123B9136	123B9316	
NLY12RAB	123B3530	CSR Relay + NTC	220-240V 50Hz	123B9495	123B9151	123B9316	123B9225
NLY45LAa	123B3102	CSIR Relay	220-240V 50Hz	123B9431	123B9112	123B9311	
NLY45LAB	123B3103	CSR Relay + NTC	220-240V 50Hz	123B9431	123B9126	123B9311	123B9211
NLY45LRa	123B3129	CSIR Relay	115-127V 60Hz	123B9470	123B9118	123B9313	
NLY45LRb	123B3130	CSR Relay + NTC	115-127V 60Hz	123B9470	123B9150	123B9313	123B9216
NLY45RAa	123B3504	CSIR Relay	220-240V 50Hz	123B9454	123B9105	123B9311	
NLY45RAB	123B3505	CSR Relay + NTC	220-240V 50Hz	123B9431	123B9163	123B9311	123B9210
NLY45RRa	123B3516	CSIR Relay	115-127V 60Hz	123B9489	123B9118	123B9320	
NLY45RRb	123B3517	CSR Relay + NTC	115-127V 60Hz	123B9489	123B9150	123B9320	123B9216
NLY60CAa	123B3108	RSIR PTC	220-240V 50Hz	123B9458	123B9101		
NLY60CAB	123B3109	RSCR PTC	220-240V 50Hz	123B9541	123B9101		123B9211
NLY60LAa	123B3106	CSIR Relay	220-240V 50Hz	123B9454	123B9107	123B9311	
NLY60LAB	123B3107	CSR Relay + NTC	220-240V 50Hz	123B9454	123B9127	123B9311	123B9211
NLY60LRa	123B3131	CSIR Relay	115-127V 60Hz	123B9482	123B9122	123B9313	
NLY60LRb	123B3132	CSR Relay + NTC	115-127V 60Hz	123B9482	123B9124	123B9313	123B9216
NLY60RAa	123B3506	CSIR Relay	220-240V 50Hz	123B9470	123B9112	123B9311	
NLY60RAB	123B3507	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9126	123B9311	123B9211
NLY60RRa	123B3518	CSIR Relay	115-127V 60Hz	123B9489	123B9118	123B9309	
NLY60RRb	123B3519	CSR Relay + NTC	115-127V 60Hz	123B9489	123B9150	123B9309	123B9216
NLY75LAa	123B3153	CSIR Relay	220-240V 50Hz	123B9470	123B9108	123B9312	
NLY75LAB	123B3154	CSR Relay + NTC	220-240V 50Hz	123B9454	123B9188	123B9312	123B9222
NLY75NRa	123B3301	CSIR Relay	115-127V 60Hz	123B9482	123B9129	123B9318	
NLY75NRb	123B3302	CSR Relay + NTC	115-127V 60Hz	123B9482	123B9130	123B9318	123B9216
NLY75RAa	123B3508	CSIR Relay	220-240V 50Hz	123B9502	123B9116	123B9315	
NLY75RAB	123B3509	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9133	123B9315	123B9222
NLY75RRa	123B3520	CSIR Relay	115-127V 60Hz	123B9494	123B9129	123B9309	
NLY75RRb	123B3521	CSR Relay + NTC	115-127V 60Hz	123B9494	123B9130	123B9309	123B9216
NLY80LAa	123B3114	CSIR Relay	220-240V 50Hz	123B9464	123B9119	123B9312	
NLY80LAB	123B3115	CSR Relay + NTC	220-240V 50Hz	123B9454	123B9128	123B9312	123B9222
NLY80LRa	123B3133	CSIR Relay	115-127V 60Hz	123B9482	123B9129	123B9318	
NLY80LRb	123B3134	CSR Relay + NTC	115-127V 60Hz	123B9482	123B9130	123B9318	123B9216
NLY80RAa	123B3510	CSIR Relay	220-240V 50Hz	123B9542	123B9116	123B9315	
NLY80RAB	123B3511	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9133	123B9315	123B9222
NLY80RRa	123B3522	CSIR Relay	115-127V 60Hz	123B9494	123B9129	123B9309	
NLY80RRb	123B3523	CSR Relay + NTC	115-127V 60Hz	123B9494	123B9130	123B9309	123B9216
NLY90LAa	123B3116	CSIR Relay	220-240V 50Hz	123B9457	123B9109	123B9312	
NLY90LAB	123B3117	CSR Relay + NTC	220-240V 50Hz	123B9525	123B9140	123B9312	123B9222
NLY90NRa	123B3309	CSIR Relay	115-127V 60Hz	123B9491	123B9129	123B9313	

Danfoss Light Commercial Refrigeration Compressors

Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
NLY90NRb	123B3310	CSR Relay + NTC	115-127V 60Hz	123B9491	123B9130	123B9313	123B9216
NLY90RAa	123B3512	CSIR Relay	220-240V 50Hz	123B9498	123B9116	123B9315	
NLY90RAb	123B3513	CSR Relay + NTC	220-240V 50Hz	123B9502	123B9133	123B9315	123B9222
NLY90RRa	123B3524	CSIR Relay	115-127V 60Hz	123B9496	123B9129	123B9309	
NLY90RRb	123B3525	CSR Relay + NTC	115-127V 60Hz	123B9496	123B9130	123B9309	123B9216
NPT14RA	123B3703	CSR Relay + NTC	220-240V 50Hz	123B9482	123B9139	123B9315	123B9219
NPT16LA	123B3124	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9151	123B9316	123B9225
NPT16LR	123B3165	CSR Relay + NTC	115-127V 60Hz	123B9494	123B9143	123B9313	123B9221
NPT16RA	123B3712	CSR Relay + NTC	220-240V 50Hz	123B9482	123B9139	123B9316	123B9223
NPT18LA	123B3125	CSR Relay + NTC	220-240V 50Hz	123B9502	123B9151	123B9316	123B9219
NPY12LAa	123B3120	CSIR Relay	220-240V 50Hz	123B9502	123B9116	123B9312	
NPY12LAb	123B3121	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9133	123B9312	123B9222
NPY12LRa	123B3137	CSIR Relay	115-127V 60Hz	123B9494	123B9129	123B9309	
NPY12LRb	123B3138	CSR Relay + NTC	115-127V 60Hz	123B9494	123B9130	123B9309	123B9216
NPY12RAa	123B3701	CSIR Relay	220-240V 50Hz	123B9499	123B9136	123B9315	
NPY12RAb	123B3702	CSR Relay + NTC	220-240V 50Hz	123B9499	123B9151	123B9315	123B9222
NPY14LAa	123B3122	CSIR Relay	220-240V 50Hz	123B9502	123B9136	123B9315	
NPY14LAb	123B3123	CSR Relay + NTC	220-240V 50Hz	123B9502	123B9151	123B9315	123B9222
NPY14LFa	123B3139	CSIR Relay	208-230V 60Hz	123B9498	123B9118	123B9315	
NPY14LFb	123B3140	CSR Relay + NTC	208-230V 60Hz	123B9498	123B9139	123B9315	123B9219
NUT55CAa	123B3104	RSIR PTC	220-240V 50Hz	123B9458	123B9101		
NUT55CAb	123B3105	RSCR PTC	220-240V 50Hz	123B9458	123B9101		123B9211
NUT55CAc	123B3141	RSIR PTC	220-240V 50Hz	123B9460	123B9101		
NUT55CAd	123B3142	RSCR PTC	220-240V 50Hz	123B9460	123B9101		123B9211
NUT55LRc	123B3155	CSIR Relay	115-127V 60Hz	123B9495	123B9116	123B9303	
NUT55LRd	123B3156	CSR Relay + NTC	115-127V 60Hz	123B9495	123B9189	123B9303	123B9216
NUT60CAa	123B3110	RSIR PTC	220-240V 50Hz	123B9458	123B9101		
NUT60CAb	123B3111	RSCR PTC	220-240V 50Hz	123B9458	123B9101		123B9211
NUT60CAc	123B3145	RSIR PTC	220-240V 50Hz	123B9480	123B9101		
NUT60CAd	123B3146	RSCR PTC	220-240V 50Hz	123B9480	123B9101		123B9211
NUT60LRa	123B3149	CSIR Relay	115-127V 60Hz	123B9498	123B9136	123B9305	
NUT60LRb	123B3150	CSR Relay + NTC	115-127V 60Hz	123B9498	123B9148	123B9305	123B9216
NUT60LRc	123B3151	CSIR Relay	115-127V 60Hz	123B9495	123B9136	123B9305	
NUT60LRd	123B3152	CSR Relay + NTC	115-127V 60Hz	123B9495	123B9148	123B9305	123B9216
NUT70CAa	123B3112	RSIR PTC	220-240V 50Hz	123B9458	123B9101		
NUT70CAb	123B3113	RSCR PTC	220-240V 50Hz	123B9458	123B9101		123B9212
NUT70CAc	123B3161	RSIR PTC	220-240V 50Hz	123B9480	123B9101		
NUT70CAd	123B3162	RSCR PTC	220-240V 50Hz	123B9480	123B9101		123B9212
NUY45LAa	123B3143	CSIR Relay	220-240V 50Hz	123B9415	123B9111	123B9311	
NUY45LAb	123B3144	CSR Relay + NTC	220-240V 50Hz	123B9415	123B9125	123B9311	123B9211
NUY45NRa	123B3170	CSIR Relay	115-127V 60Hz	123B9470	123B9109	123B9320	
NUY45RAa	123B3704	CSIR Relay	220-240V 50Hz	123B9404	123B9105	123B9311	
NUY60LAa	123B3157	CSIR Relay	220-240V 50Hz	123B9439	123B9105	123B9311	
NUY60LAb	123B3158	CSR Relay + NTC	220-240V 50Hz	123B9439	123B9163	123B9311	123B9211
NUY70RAa	123B3527	CSIR Relay	220-240V 50Hz	123B9470	123B9110	123B9311	
NUY70RAb	123B3528	CSR Relay + NTC	220-240V 50Hz	123B9470	123B9169	123B9311	123B9212
NUY80LAa	123B3171	CSIR Relay	220-240V 50Hz	123B9417	123B9119	123B9311	
NUY90CAa	123B3163	RSIR PTC	220-240V 50Hz	123B9421	123B9101		
NUY90CAb	123B3164	RSCR PTC	220-240V 50Hz	123B9421	123B9101		123B9212
NUY90LAa	123B3159	CSIR Relay	220-240V 50Hz	123B9417	123B9110	123B9311	
NUY90LAb	123B3160	CSR Relay + NTC	220-240V 50Hz	123B9417	123B9169	123B9311	123B9212
NX18FBa	123B3126	CSR Relay + NTC	220-240V 50Hz	123B9497	123B9139	123B9315	123B9219
NX18TBa	123B3514	CSR Relay + NTC	220-240V 50Hz	123B9489	123B9159	123B9321	123B9219

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Model	Code	Motor	Voltage	Protector	Relay	Starting capacitor	Run capacitor
NX21FBa	123B3127	CSR Relay + NTC	220-240V 50Hz	123B9482	123B9160	123B9316	123B9219
NX21TBa	123B3515	CSR Relay + NTC	220-240V 50Hz	123B9491	123B9159	123B9321	123B9219
NX23FBa	123B3128	CSR Relay + NTC	220-240V 50Hz	123B9472	123B9159	123B9316	123B9219
P12TN	123B5510	CSR Relay + NTC	220-240V 50Hz	123B9498	123B9140	123B9315	123B9222
P12TN	123B5520	CSR Box	230V 60Hz	123B9467	123B9156	123B9307	123B9219
RL90TE	123B9002	CSIR Relay	100V 50Hz & 115V 60Hz	123B9544	123B9129	123B9318	
RL90TG	123B9001	CSIR Relay	220-240V 50Hz & 220-240V 60Hz	123B9425	123B9116	123B9316	
S18TN	123B5514	CSR Box Size S	200-220V 50Hz & 230V 60Hz	123B9533	123B9153	123B9307	123B9219
S18TN	123B5513	CSR Box Size S	220-240V 50Hz	123B9530	123B9152	123B9307	123B9219
S22TN	123B5515	CSR Box Size S	220-240V 50Hz	123B9530	123B9152	123B9307	123B9219
S26TN	123B5516	CSR Box Size S	230V 60Hz	123B9546	123B9156	123B9304	123B9215
S26TN	123B5516	CSR Box Size S	220-240V 50Hz	123B9507	123B9154	123B9304	123B9219
GS34TB	123B1554	CSR Box Size S	220-240V 50Hz	123B9508	123B9146	123B9325	123B9219
X16TN	123B5711	CSR Box	200-220V 50Hz & 230V 60Hz	123B9494	123B9156	123B9307	123B9219
X18TN	123B5712	CSR Box	200-220V 50Hz & 230V 60Hz	123B9494	123B9156	123B9307	123B9222

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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.



Danfoss Scrolls



Danfoss Inverter Scrolls



Danfoss Turbocor Compressors



Danfoss Light Commercial Refrigeration Compressors



Danfoss Maneurop Reciprocating Compressors



Danfoss Optyma™ Condensing Units

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

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