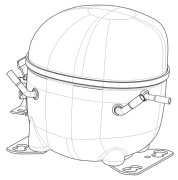
220-240V 50 1~



GENERAL DATA

Application: LBP
Refrigerant: R134a
Evaporating Temperature Range: -30°C to -5°C
Compressor Cooling: Fan
Fan air flow: 520 m^3/h
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: Single - 1 pc
Displacement: 16.8 cm3
Horse power: 1.2 hp

Approvals:

MECHANICAL DATA

Bore: 31.19 mm
Stroke: 22 mm
Oil Charge: 350ml +/-15ml
Free Internal Volume: 2.1 cm3
Maximum Recommended Refrigerant Charge: 350 g
Oil Type Configuration: Polyolester
Oil Type Viscosity: ISO22
Compressor pressuriazation: Dry air charge
Weight: 11.8 kg

ELECTRICAL DATA

Motor Type: CSIR
Starting Torque: HST
Voltage working range at 50 Hz: 198-254 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 18.6 Ω (± 10%) at 25°C
Run Winding Resistance: 4.46 Ω (± 10%) at 25°C

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Cover:	yes	2075282
Grommets:	yes	2221011
Sleeves:	yes	2222018
Terminal Board:	yes	1027060
Overload Protector Bracket:	yes	2075299

ELECTRICAL COMPONENTS

	Component type	Description	Code
Start Capacitor:		72-88 MFD 330V	2252345
Starting Device:	Current relay	MTRPH-47-65	2334146
Motor Protection:	External 3/4"	T0059/G6	2319077

EXTERNAL CHARACTERISTICS

Base Plate: European
Tray Holder: No
Height: 206 mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	8.1	Copper	Slanted 42Â°
Discharge Connector	6.1	Copper	Straight

RATED POINT DATA

Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
±5%	±5%	±5%	±5%	±7%
216	211	1.93	4.73	1.02

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Evaporating: -35°C, Condensing: 40°C, Ambient: 35°C

PERFORMANCE CURVE DATA

220V 50Hz

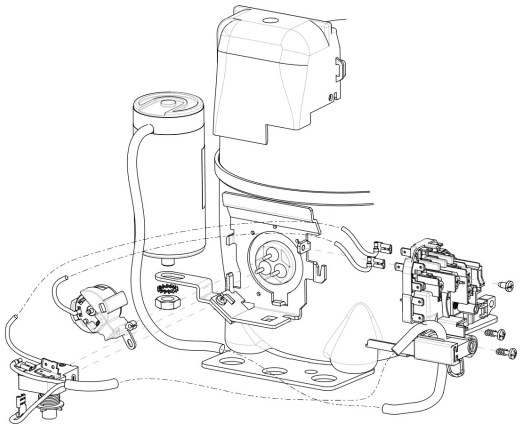
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	-5	1 119	486	2.84	23.91	2.30
	-10	911	430	2.63	19.36	2.12
	-15	726	379	2.44	15.38	1.92
	-20	566	331	2.27	11.95	1.71
	-25	431	287	2.12	9.06	1.51
	-30	321	246	2.01	6.72	1.30

Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
45°C	-5	986	531	3.04	23.09	1.86
	-10	799	466	2.77	18.64	1.71
	-15	635	406	2.54	14.74	1.56
	-20	493	350	2.34	11.40	1.41
	-25	372	300	2.17	8.58	1.24
	-30	274	253	2.04	6.30	1.08

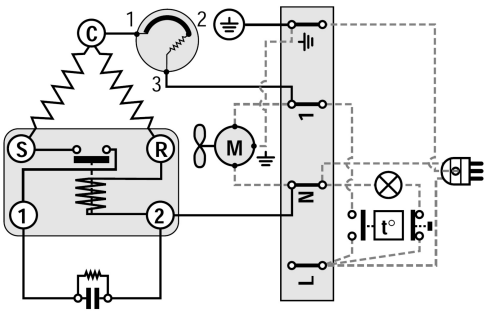
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	-5	852	578	3.21	22.19	1.47
	-10	688	502	2.90	17.84	1.37
	-15	544	432	2.62	14.03	1.26
	-20	419	368	2.39	10.77	1.14
	-25	314	309	2.19	8.02	1.02

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Ambient: 35°C

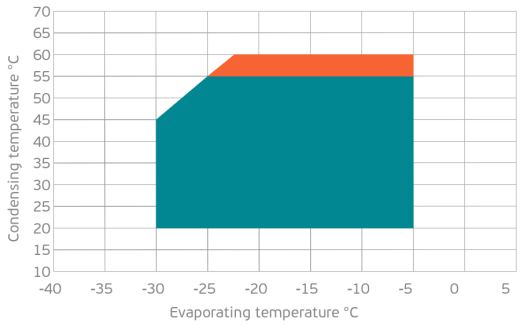
ASSEMBLY INSTRUCTION



WIRING DIAGRAM



OPERATING ENVELOPE

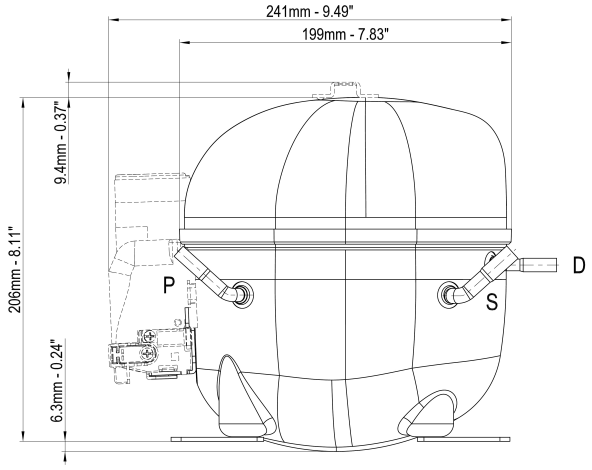


Operating Condition

Transient Condition

Superheating

NOTE: usage of compressors outside of intended working range cannot make use of the warranty, or should be consulted with Technical support.



	∅ mm	∅ in	Material
S - Suction	8.10 - 8.20	0.32	Cu
P - Process	6.10 - 6.20	0.24	Cu
D - Discharge	6.10 - 6.20	0.24	Cu