

220-240V 50 1~**GENERAL DATA**

Application: LBP
Refrigerant: R290
Evaporating Temperature Range: -40°C to -10°C
Compressor Cooling: Fan
Fan air flow: 520 m³/h
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: Multi - 36 pcs
Displacement: 17.4 cm³
Horse power: 3.4 hp

Approvals:   

MECHANICAL DATA

Bore: 34.12 mm
Stroke: 19.03 mm
Oil Charge: 450ml +/-15ml
Free Internal Volume: 3.3 cm³
Maximum Recommended Refrigerant Charge: 150 g
Oil Type Configuration: Polyolester
Oil Type Viscosity: ISO22
Compressor pressurization: Without dry air charge
Weight: 16.9 kg

ELECTRICAL DATA

Motor Type: CSR
Starting Torque: HST
Voltage working range at 50 Hz: 198-254 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 13.8 Ω (± 10%) at 25°C
Run Winding Resistance: 2.7 Ω (± 10%) at 25°C

MOUNTING ACCESSORIES

	Description	Code
Terminal Board:	no	-
Anchorage:	no	-
Capacitor Bracket:	no	-
Grommets:	yes	2221004
Sleeves:	yes	2222016
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Overload Protector Bracket:	yes	2075299
Cover:	yes	2075278

ELECTRICAL COMPONENTS

	Component type	Description	Code
Start Capacitor:		53-64 MFD 330V	2252261
Run Capacitor:		10 MFD	2253316
Starting Device:	Potential relay	RVA2L3C-112	1253010
Motor Protection:	External 3/4"	T0916/G9	2321131
CSR / CSIR Box:	yes		1272321

EXTERNAL CHARACTERISTICS

Base Plate: Universal
Tray Holder: No
Height: 220 mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	9.6	Copper	Vertical
Discharge Connector	6.42	Copper	Vertical
Process Connector	6.42	Copper	Vertical

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%
708	485	2.48	7.19	1.46

Test condition: ASHRAE, Fan, Return Gas 32.2°C, Evaporating: -23.3°C, Condensing: 54°C, Ambient: 32.2°C, Liquid: 32.2°C

PERFORMANCE CURVE DATA

220V 50Hz

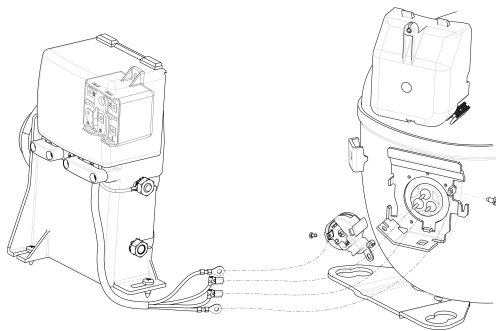
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	-10	1 460	550	2.77	14.99	2.65
	-15	1 201	510	2.59	12.27	2.35
	-20	971	470	2.42	9.88	2.07
	-25	770	428	2.24	7.82	1.80
	-30	599	385	2.06	6.06	1.56
	-35	456	341	1.88	4.61	1.34
	-40	343	296	1.70	3.45	1.16

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	-10	1 360	602	3.00	13.96	2.26
	-15	1 114	551	2.77	11.39	2.02
	-20	896	500	2.55	9.13	1.79
	-25	707	450	2.33	7.17	1.57
	-30	545	399	2.12	5.51	1.36
	-35	411	349	1.91	4.15	1.18

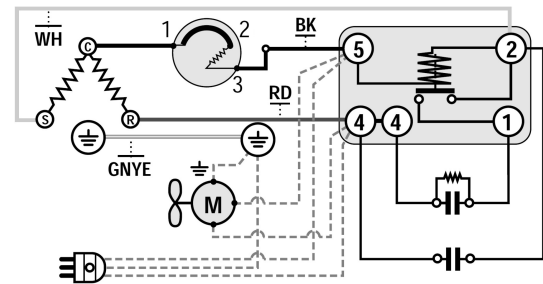
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	-10	1 267	651	3.21	13.01	1.95
	-15	1 032	588	2.93	10.55	1.75
	-20	824	527	2.66	8.39	1.56
	-25	643	466	2.40	6.52	1.38
	-30	488	407	2.15	4.94	1.20

Test condition: ASHRAE, Fan, Return Gas 32.2°C, Ambient: 32.2°C, Liquid: 32.2°C

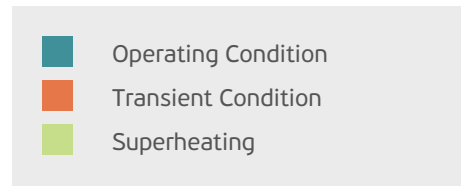
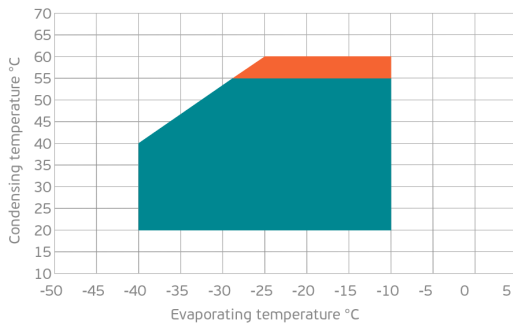
ASSEMBLY INSTRUCTION



WIRING DIAGRAM



OPERATING ENVELOPE



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

