

200-240V 50 / 230V 60Hz 1~**GENERAL DATA**

Application: LBP
Refrigerant: R404A
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

**MECHANICAL DATA**

Bore: 34.12 mm
Stroke: 19.03 mm
Oil Charge: 450ml +/-15ml
Free Internal Volume: 3.3 cm³
Maximum Recommended Refrigerant Charge: 800 g
Oil Type Configuration: Polyolester
Oil Type Viscosity: ISO22
Compressor pressurization: Dry air charge
Weight: 17.4 kg

ELECTRICAL DATA

Motor Type: CSR
Starting Torque: HST
Voltage working range at 50 Hz: 180-254 V
Voltage working range at 60 Hz: 207-253 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 8.8 Ω (± 10%) at 25°C
Run Winding Resistance: 2.3 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 26 A

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:		88-108 MFD 330V	2252269
Run Capacitor:		15 MFD	2253310
Starting Device:	Potential relay	RVA3N3C-122	1253022
Motor Protection:	External 3/4"	MRA38168-3261	2321153
CSR / CSIR Box:	yes		1262245

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

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%
1 023	714	3.12	23.67	1.43

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

200V 50Hz

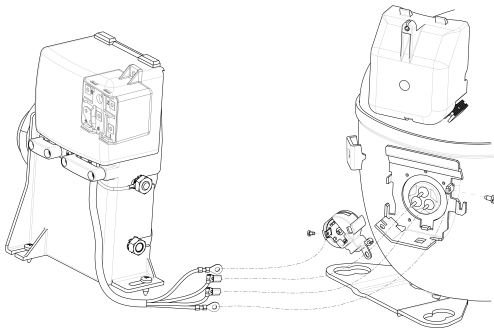
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	-10	2 111	840	3.68	49.83	2.51
	-15	1 741	776	3.39	40.82	2.24
	-20	1 409	711	3.10	32.84	1.98
	-25	1 115	643	2.81	25.85	1.73
	-30	859	573	2.52	19.84	1.50
	-35	642	501	2.24	14.76	1.28
	-40	462	428	1.96	10.59	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%
45°C	-10	2 020	918	4.00	47.59	2.20
	-15	1 649	832	3.62	38.58	1.98
	-20	1 318	747	3.26	30.65	1.76
	-25	1 028	665	2.91	23.77	1.55
	-30	778	584	2.57	17.93	1.33
	-35	570	506	2.26	13.08	1.13

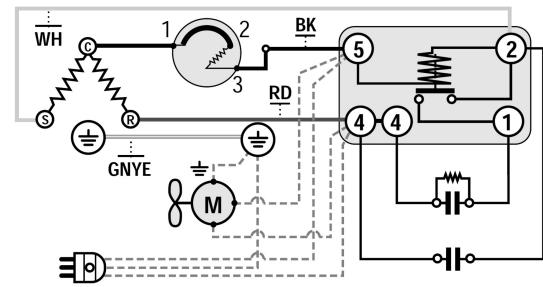
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	-10	1 897	988	4.31	44.59	1.92
	-15	1 528	881	3.85	35.67	1.74
	-20	1 202	779	3.41	27.90	1.54
	-25	920	685	3.00	21.25	1.34
	-30	682	596	2.62	15.68	1.14

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

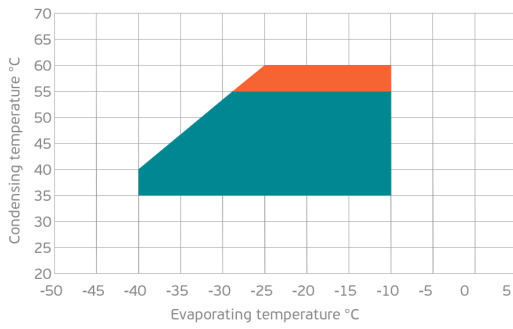
ASSEMBLY INSTRUCTION



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.

