

220-240V 50 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 - 24 pcs
Displacement: 20.4 cm³
Horse power: 1 hp

Approvals:     

**MECHANICAL DATA**

Bore: 36.99 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: 18.2 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: 8.4 Ω (± 10%) at 25°C
Run Winding Resistance: 1.9 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
Run Capacitor:		17.5 MFD	2253311
Starting Device:	Potential relay	RVA403C-123	1253023
Motor Protection:	External 3/4"	MST26AHK-3166	2288311
Motor Protection:	External 3/4"	MRT26AKK-3261	2321007
CSR / CSIR Box:	yes		1272350

EXTERNAL CHARACTERISTICS

Base Plate: Universal
Tray Holder: No
Height: 234 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%
526	504	2.40	14.24	1.04

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

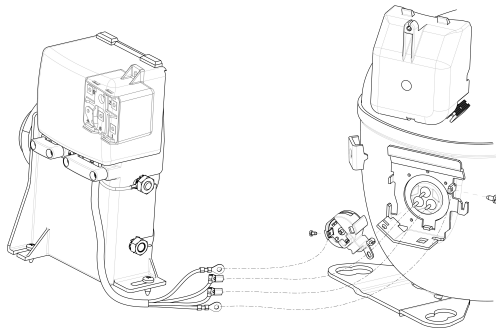
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	-10	1 907	827	3.79	50.27	2.31
	-15	1 555	753	3.49	40.64	2.07
	-20	1 248	685	3.20	32.35	1.82
	-25	985	622	2.92	25.35	1.58
	-30	764	562	2.65	19.56	1.36
	-35	584	501	2.39	14.90	1.17
	-40	444	438	2.14	11.30	1.01

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	1 574	913	4.18	47.22	1.72
	-15	1 287	825	3.81	38.27	1.56
	-20	1 034	743	3.45	30.50	1.39
	-25	814	664	3.10	23.83	1.23
	-30	625	587	2.75	18.20	1.06
	-35	468	510	2.42	13.53	0.92

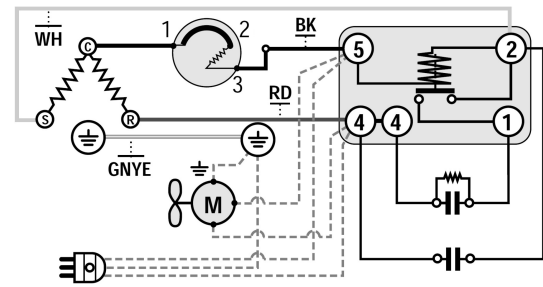
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	-10	1 226	974	4.50	43.45	1.26
	-15	1 007	879	4.08	35.29	1.15
	-20	811	789	3.68	28.14	1.03
	-25	638	702	3.28	21.91	0.91
	-30	486	615	2.90	16.55	0.79

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

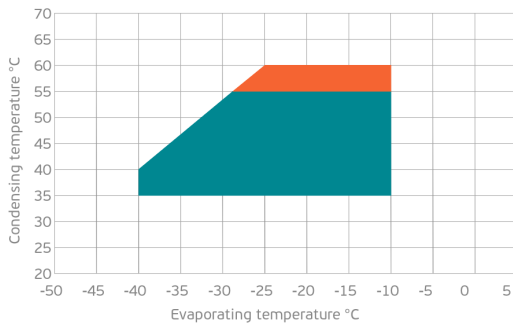
ASSEMBLY INSTRUCTION



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.

