

**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 m<sup>3</sup>/h  
**Type:** Hermetic reciprocating  
**Technology Type:** On-Off  
**Expansion Device:** Capillary Tube or Expansion Valve  
**Packing Quantity:** Multi - 36 pcs  
**Displacement:** 22.4 cm<sup>3</sup>  
**Horse power:** 1 hp

Approvals:     

**MECHANICAL DATA**

**Bore:** 36.99 mm  
**Stroke:** 20.83 mm  
**Oil Charge:** 450ml +/-15ml  
**Free Internal Volume:** 3.3 cm<sup>3</sup>  
**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  
**Locked Rotor Amperage (LRA):** 36 A

**MOUNTING ACCESSORIES**

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

**ELECTRICAL COMPONENTS**

	Component type	Description	Code
<b>Run Capacitor:</b>		15 MFD	2253310
<b>Starting Device:</b>	Potential relay	RVA3N3C-122	1253022
<b>Start Capacitor:</b>		130-156 MFD 250V	2252329
<b>Motor Protection:</b>	External 3/4"	MST26AHK-3261	2321162
<b>CSR / CSIR Box:</b>	yes		1262243

**EXTERNAL CHARACTERISTICS**

**Base Plate:** Universal  
**Tray Holder:** No  
**Height:** 234 mm

	Internal Diameter (mm)	Material	Shape
<b>Suction Connector</b>	9.6	Copper	Vertical
<b>Discharge Connector</b>	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%
567	535	2.70	15.38	1.06

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%
<b>35°C</b>	-10	2 004	894	4.22	52.82	2.24
	-15	1 647	815	3.90	43.03	2.02
	-20	1 334	742	3.59	34.58	1.80
	-25	1 062	672	3.28	27.35	1.58
	-30	828	602	2.98	21.24	1.38
	-35	632	529	2.67	16.13	1.19
	-40	470	450	2.37	11.92	1.04

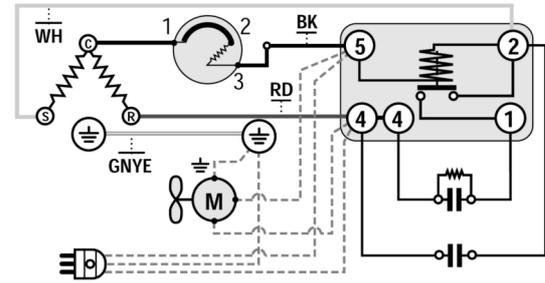
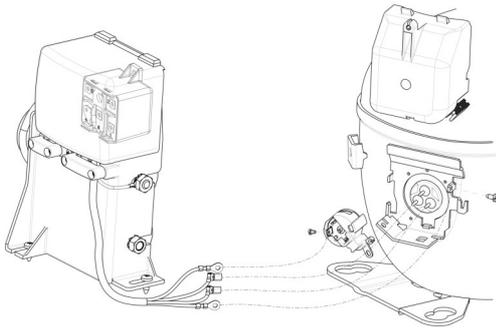
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
<b>45°C</b>	-10	1 670	980	4.66	50.14	1.70
	-15	1 366	883	4.25	40.62	1.55
	-20	1 100	794	3.85	32.42	1.39
	-25	870	708	3.47	25.43	1.23
	-30	672	624	3.09	19.54	1.08
	-35	505	539	2.71	14.63	0.94

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%
<b>55°C</b>	-10	1 331	1 079	5.05	47.14	1.23
	-15	1 083	960	4.55	37.97	1.13
	-20	868	849	4.07	30.10	1.02
	-25	682	744	3.61	23.42	0.92
	-30	523	642	3.17	17.83	0.81

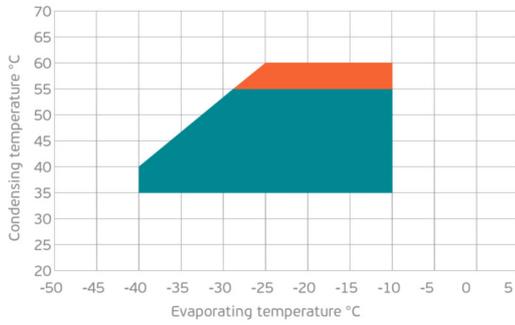
Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Ambient: 35°C

**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.

