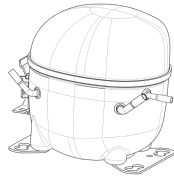


220-240V 50 1~



GENERAL DATA

Application: MBP
Refrigerant: R290
Evaporating Temperature Range: -20°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 - 28 pcs
Displacement: 16.8 cm³
Horse power: 3.4 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: 150 g
Oil Type Configuration: Polyolester
Oil Type Viscosity: ISO22
Compressor pressurization: Without dry air charge
Weight: 11.8 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: 11.03 Ω (± 10%) at 25°C
Run Winding Resistance: 5.15 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 22 A

MOUNTING ACCESSORIES

	Description	Code
Terminal Board:	no	-
Anchorage:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Grommets:	yes	2221011
Sleeves:	yes	2222018
Overload Protector Bracket:	yes	2075299
Cover:	yes	2075278

ELECTRICAL COMPONENTS

	Component type	Description	Code
Run Capacitor:		17.5 MFD	2253311
Starting Device:	Potential relay	RVA3AN3C-647	1253026
Start Capacitor:		88-108 MFD 330V	2252269
Motor Protection:	External 3/4"	T0964/G9	2321138
CSR / CSIR Box:	yes		1272415

EXTERNAL CHARACTERISTICS

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

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

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%
2 303	877	4.03	26.80	2.63

Test condition: ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Evaporating: 7.2°C, Condensing: 54°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	3 149	726	3.34	31.31	4.33
	5	2 691	689	3.17	26.56	3.91
	0	2 281	651	3.00	22.36	3.51
	-5	1 915	612	2.82	18.68	3.13
	-10	1 592	574	2.64	15.46	2.78
	-15	1 309	535	2.47	12.66	2.45
	-20	1 063	495	2.29	10.24	2.15

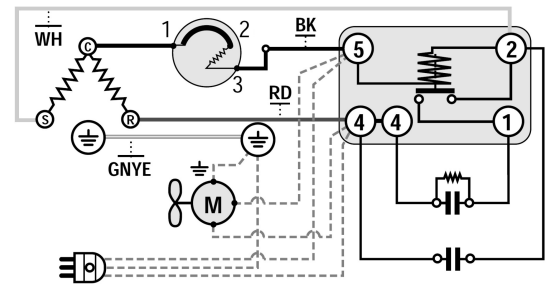
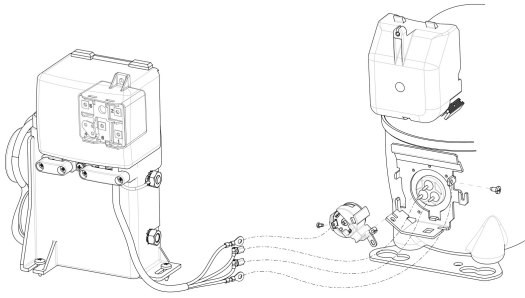
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
45°C	10	2 817	817	3.74	30.35	3.45
	5	2 405	771	3.54	25.72	3.12
	0	2 037	725	3.33	21.63	2.81
	-5	1 709	678	3.12	18.03	2.52
	-10	1 419	631	2.90	14.90	2.25
	-15	1 164	583	2.68	12.17	2.00
	-20	942	534	2.47	9.81	1.76

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	2 481	919	4.22	29.29	2.70
	5	2 116	862	3.97	24.78	2.45
	0	1 790	805	3.71	20.80	2.22
	-5	1 500	746	3.44	17.30	2.01
	-10	1 243	687	3.17	14.25	1.81

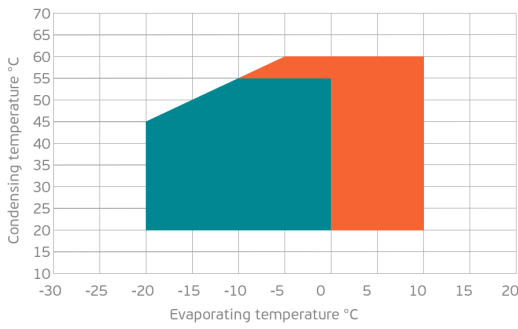
Test condition: ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Ambient: 35°C

ASSEMBLY INSTRUCTION

WIRING DIAGRAM

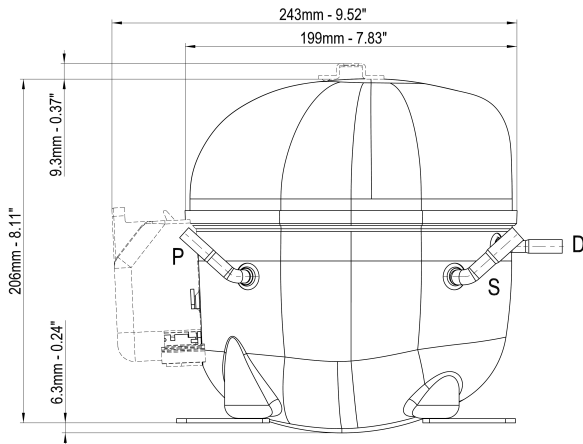


OPERATING ENVELOPE

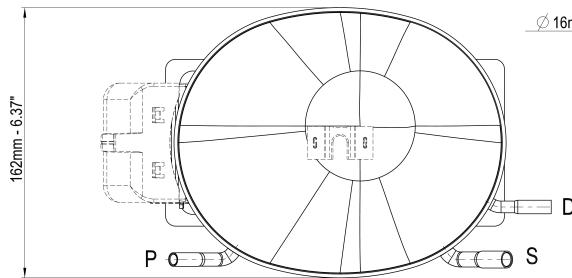


- Operating Condition
- Transient Condition
- Superheating

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



∅ 16mm - 0.63" (x6)

