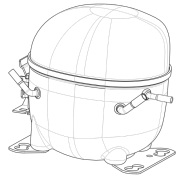


220-240V 50 1~**GENERAL DATA**

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: 9.99 cm³
Horse power: 1.2 hp

Approvals:   

MECHANICAL DATA

Bore: 26.5 mm
Stroke: 18.12 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: 12 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: 27.92 Ω (± 10%) at 25°C
Run Winding Resistance: 4.53 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 21 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
Start Capacitor:		53-64 MFD 330V	2252261
Run Capacitor:		5 MFD	2253325
Motor Protection: External 3/4"		T0916/G9	2321131
Starting Device: Potential relay		RVA6M3C-114	1253014
CSR / CSIR Box: yes			1272392

EXTERNAL CHARACTERISTICS

Base Plate: European
Tray Holder: No
Height: 200 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%
1 424	498	2.91	16.56	2.86

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	1 932	390	2.61	19.21	4.95
	5	1 653	386	2.58	16.31	4.28
	0	1 399	378	2.55	13.72	3.70
	-5	1 170	366	2.51	11.41	3.20
	-10	967	351	2.48	9.39	2.76
	-15	790	332	2.44	7.64	2.38
	-20	638	310	2.39	6.14	2.06

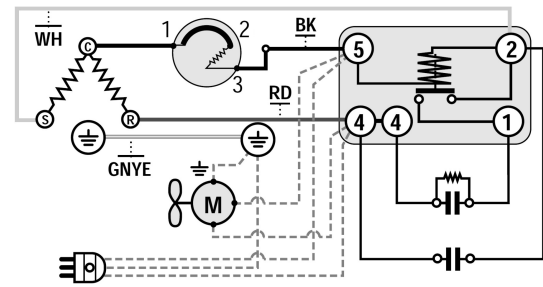
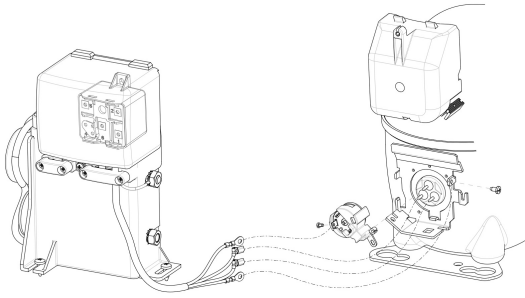
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
45°C	10	1 740	454	2.80	18.75	3.83
	5	1 481	440	2.75	15.83	3.36
	0	1 246	424	2.69	13.23	2.94
	-5	1 036	405	2.63	10.93	2.56
	-10	851	383	2.56	8.93	2.22
	-15	690	359	2.49	7.21	1.92
	-20	554	332	2.41	5.77	1.67

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	1 540	516	2.96	18.18	2.99
	5	1 303	493	2.90	15.26	2.64
	0	1 090	468	2.83	12.66	2.33
	-5	901	442	2.75	10.39	2.04
	-10	734	413	2.67	8.42	1.78

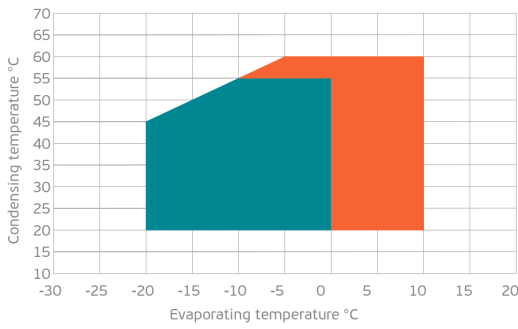
Test condition: ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Ambient: 35°C

ASSEMBLY INSTRUCTION

WIRING DIAGRAM

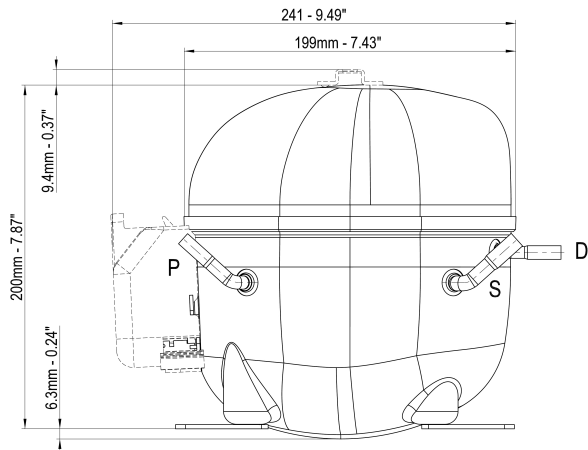


OPERATING ENVELOPE



- 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

