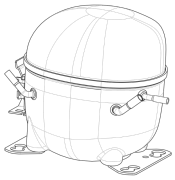
220-240V 50 1~



GENERAL DATA

Application: MBP
Refrigerant: R404A
Evaporating Temperature Range: -20°C to 10°C
Compressor Cooling: Fan
Fan air flow: 520 m^3/h
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: Single - 1 pc
Displacement: 12.11 cm3
Horse power: 3.4 hp

Approvals:

MECHANICAL DATA

Bore: 27.78 mm
Stroke: 20 mm
Oil Charge: 350ml +/-15ml
Free Internal Volume: 2.1 cm3
Maximum Recommended Refrigerant Charge: 350 g
Oil Type Configuration: Polyolester
Oil Type Viscosity: ISO22
Compressor pressuriazation: Dry air charge
Weight: 11.8 kg

ELECTRICAL DATA

Motor Type: CSIR
Starting Torque: HST
Voltage working range at 50 Hz: 198-254 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 13.91 Ω (± 10%) at 25°C
Run Winding Resistance: 4.48 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 22 A

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Cover:	yes	2075282
Grommets:	yes	2221011
Sleeves:	yes	2222018
Terminal Board:	yes	1027060
Overload Protector Bracket:	yes	2075299

ELECTRICAL COMPONENTS

	Component type	Description	Code
Starting Device:	Potential relay	RVA2AM3C-104	1253019
Motor Protection:	External 3/4"	T0907/G9	2321128
CSR / CSIR Box:	yes		1272384

EXTERNAL CHARACTERISTICS

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

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

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%
1 088	624	3.52	29.89	1.74

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling 0K, Evaporating: -10°C, Condensing: 45°C, Ambient: 35°C

PERFORMANCE CURVE DATA

220V 50Hz

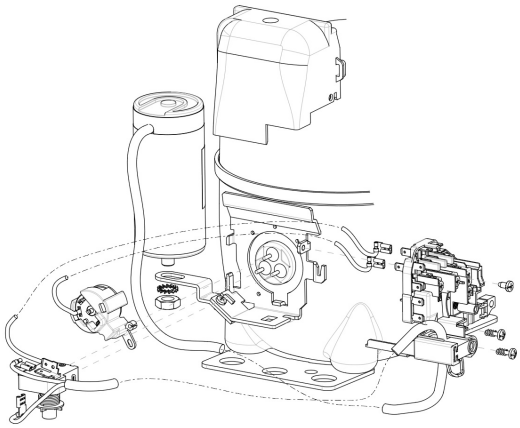
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	10	2 524	803	4.27	64.30	3.14
	5	2 164	741	4.00	54.38	2.92
	0	1 836	682	3.75	45.60	2.69
	-5	1 541	625	3.52	37.89	2.46
	-10	1 278	571	3.31	31.16	2.24
	-15	1 047	519	3.11	25.34	2.02
	-20	847	470	2.94	20.36	1.80

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	2 148	895	4.69	62.07	2.40
	5	1 843	823	4.36	52.43	2.24
	0	1 565	754	4.06	43.90	2.08
	-5	1 313	688	3.78	36.41	1.91
	-10	1 088	624	3.52	29.89	1.74
	-15	889	564	3.29	24.24	1.58
	-20	717	506	3.08	19.41	1.42

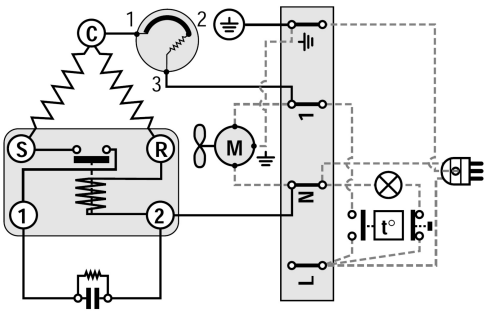
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	10	1 762	1 014	5.24	59.65	1.74
	5	1 511	926	4.82	50.23	1.63
	0	1 281	842	4.43	41.91	1.52
	-5	1 072	761	4.07	34.60	1.41
	-10	884	683	3.74	28.23	1.29

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

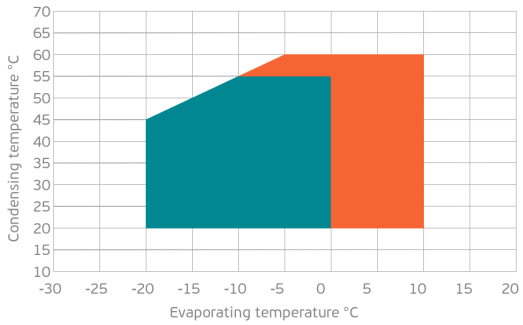
ASSEMBLY INSTRUCTION



WIRING DIAGRAM



OPERATING ENVELOPE

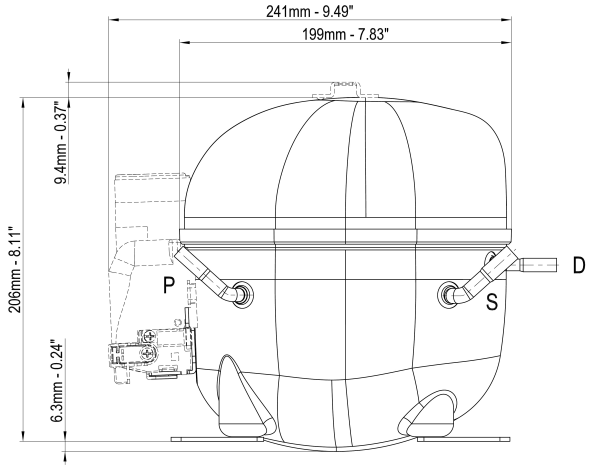


Operating Condition

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.



	∅ 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