

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 m³/h
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: Single - 1 pc
Displacement: 8.77 cm³
Horse power: 1.2 hp

Approvals:    

MECHANICAL DATA

Bore: 26.5 mm
Stroke: 15.92 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 pressurization: Dry air charge
Weight: 10.9 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: 27.04 Ω (± 10%) at 25°C
Run Winding Resistance: 4.87 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 19 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
Start Capacitor:		53-64 MFD 330V	2252346
Motor Protection:	External 3/4"	T0964/G6	2319135
Starting Device:	Current relay	MTRPH-0055-65	2334148

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%
1 433	631	3.75	40.05	2.27

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	2 096	518	3.40	47.74	4.05
	5	1 789	495	3.29	40.25	3.61
	0	1 510	470	3.19	33.62	3.21
	-5	1 260	444	3.10	27.81	2.84
	-10	1 038	416	3.02	22.76	2.50
	-15	846	387	2.94	18.43	2.19
	-20	682	357	2.87	14.77	1.91

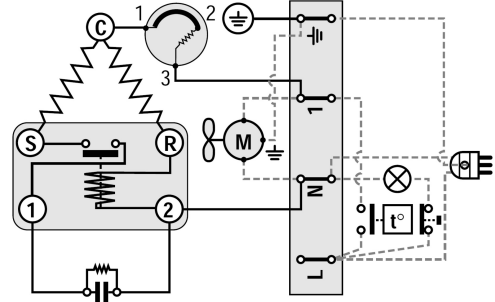
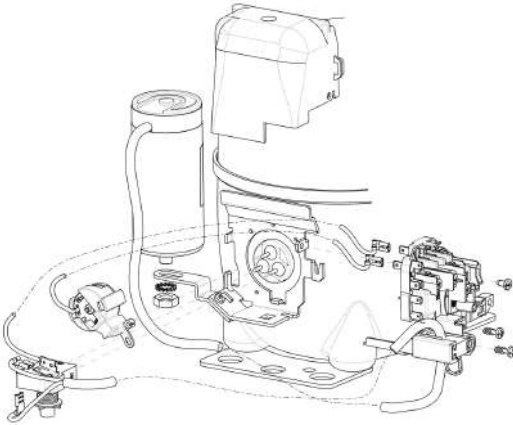
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
45°C	10	1 818	588	3.61	45.94	3.09
	5	1 550	556	3.47	38.65	2.79
	0	1 306	522	3.35	32.19	2.50
	-5	1 086	488	3.23	26.51	2.23
	-10	890	452	3.13	21.56	1.97
	-15	719	416	3.03	17.30	1.73
	-20	572	378	2.94	13.67	1.51

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	1 537	661	3.87	43.90	2.33
	5	1 309	620	3.70	36.84	2.11
	0	1 101	579	3.54	30.57	1.90
	-5	912	536	3.39	25.06	1.70
	-10	743	493	3.25	20.24	1.51

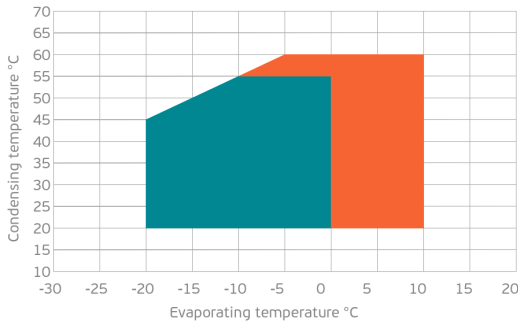
Test condition: ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Ambient: 35°C

ASSEMBLY INSTRUCTION

WIRING DIAGRAM

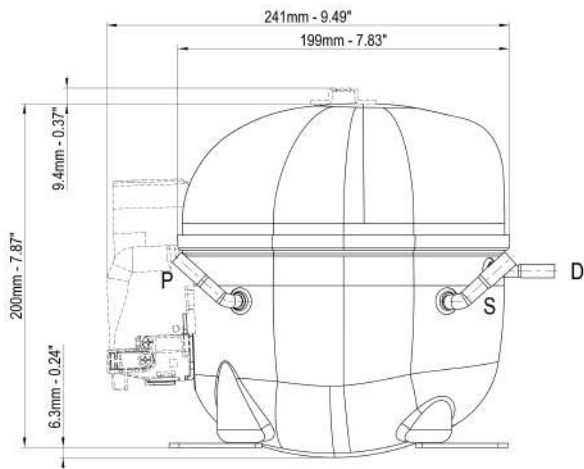


OPERATING ENVELOPE



- 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

