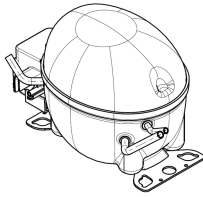


220-240V 50 1~



GENERAL DATA

Application: MBP
Refrigerant: R404A
Evaporating Temperature Range: -20°C to 10°C
Compressor Cooling: Fan
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: 100
Displacement: 5.19 cm³
Horse power: 1/3 hp

Approvals: 

MECHANICAL DATA

Bore: 21 mm
Stroke: 15 mm
Oil Charge: 180ml
Maximum Recommended Refrigerant Charge: 330 g
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 7.8 kg

ELECTRICAL DATA

Motor Type: CSIR
Starting Torque: HST
Voltage working range at 60 Hz: 198-264 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 18.8 Ω (± 10%) at 25°C
Run Winding Resistance: 10.9 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 1 A

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Overload Protector Bracket:	no	-
Capacitor Bracket:	no	-
Washer:	no	-
Pin:	no	-
Cover:	no	-
Grommets:	no	-
Sleeves:	no	-
Clip:	yes	13143000
Terminal:	yes	1027060

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Starting Device:	Relay	MTRP-38*	
Motor Protection:		T0571/G6	2319113
Start Capacitor:		53-64UF - 330V	2252346

EXTERNAL CHARACTERISTICS

Base Plate: SMALL EUEM
Tray Holder: Yes
Height: mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.1	Copper	Slanted 42° up + 45° to Back
Discharge Connector	6.1	Copper	Slanted parallel BP+24° to Back
Process Connector	6.1	Copper	Slanted 45° up + 45° to Back

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%
882	390	2.15	24.64	2.26

Test condition: ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Evaporating: 7.2°C, Condensing: 54°C, Ambient: 35°C

PERFORMANCE CURVE DATA

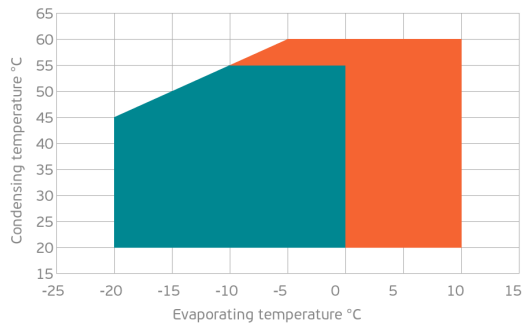
220V 50Hz

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	1 290	326	1.94	29.38	3.95
	5	1 097	307	1.87	24.69	3.58
	0	925	288	1.81	20.61	3.21
	-5	773	270	1.75	17.07	2.86
	-10	639	253	1.69	14.01	2.53
	-15	523	235	1.64	11.39	2.22
	-20	423	218	1.59	9.15	1.94

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%
45°C	10	1 126	365	2.07	28.44	3.08
	5	953	342	1.99	23.77	2.79
	0	800	319	1.91	19.71	2.51
	-5	664	297	1.84	16.20	2.24
	-10	545	275	1.76	13.20	1.98
	-15	443	254	1.69	10.65	1.74
	-20	355	233	1.63	8.49	1.53

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	952	411	2.22	27.17	2.32
	5	801	382	2.12	22.54	2.10
	0	667	354	2.03	18.54	1.89
	-5	550	326	1.93	15.12	1.69
	-10	449	299	1.83	12.21	1.50

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



- 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.