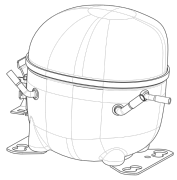
220-240V 50 1~



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: 4.51 cm3
Horse power: 1.4 hp
Approvals:

MECHANICAL DATA

Bore: 20.87 mm
Stroke: 13.2 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: 10.3 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: 27.4 Ω (± 10%) at 25°C
Run Winding Resistance: 7.9 Ω (± 10%) at 25°C

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:		43-53 MFD 330V	2252347
Motor Protection:	External 3/4"	T0186/G6	2319069
Starting Device:	Current relay	MTRP-38-65	2334122

EXTERNAL CHARACTERISTICS

Base Plate: European
Tray Holder: No
Height: 188 mm

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

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%
728	309	1.75	20.33	2.36

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

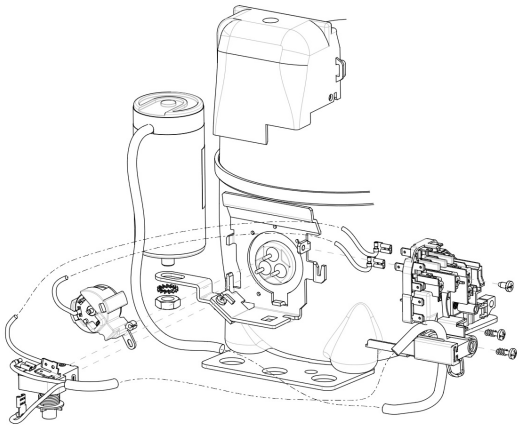
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	10	1 092	246	1.51	24.86	4.44
	5	919	238	1.48	20.67	3.86
	0	766	229	1.45	17.06	3.35
	-5	634	218	1.41	14.00	2.90
	-10	522	206	1.37	11.44	2.53
	-15	429	193	1.32	9.36	2.23
	-20	356	178	1.28	7.72	2.00

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	937	283	1.65	23.68	3.31
	5	787	271	1.60	19.64	2.90
	0	656	258	1.55	16.17	2.55
	-5	542	243	1.50	13.23	2.23
	-10	446	227	1.44	10.80	1.97
	-15	367	209	1.37	8.83	1.76
	-20	305	190	1.30	7.29	1.61

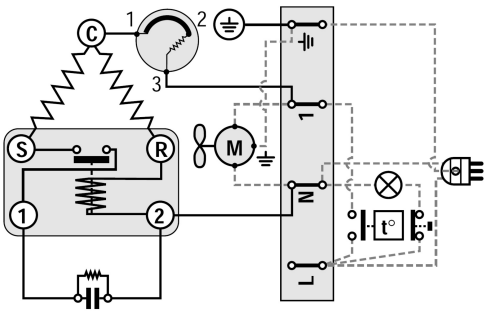
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	10	788	322	1.80	22.49	2.45
	5	659	305	1.73	18.56	2.16
	0	547	287	1.66	15.20	1.91
	-5	450	268	1.58	12.36	1.68
	-10	368	247	1.50	10.02	1.49

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

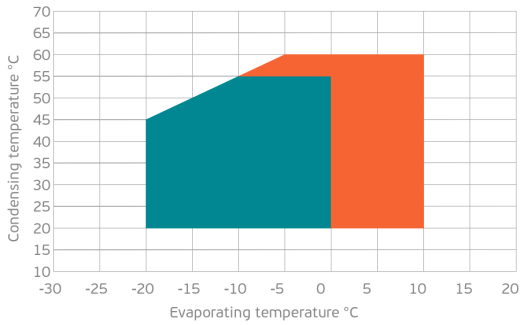
ASSEMBLY INSTRUCTION



WIRING DIAGRAM



OPERATING ENVELOPE

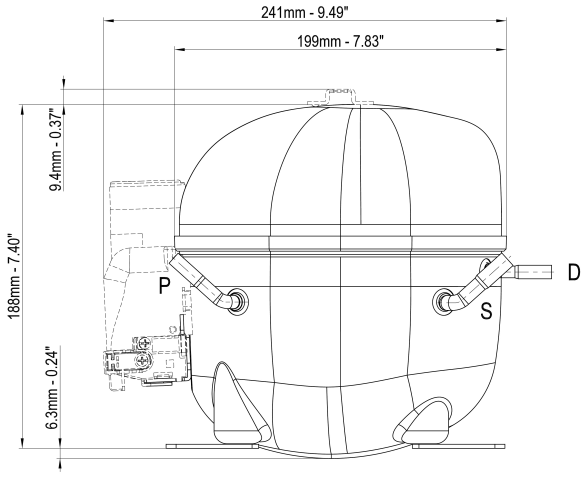


Operating Condition

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