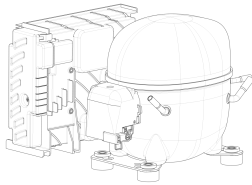


220-240V 1~**GENERAL DATA**

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: VCC
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: Multi - 40 pcs
Displacement: 8.77 cm³

Approvals:   

MECHANICAL DATA

Bore: 26.5 mm
Stroke: 15.92 mm
Oil Charge: 500ml +/-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: 14.2 kg

ELECTRICAL DATA

Motor Type: BPM
Starting Torque: HST
Voltage working range at 50 Hz: 150 (160)-240 V
Voltage working range at 60 Hz: 150 (160) V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 3.82 Ω (± 10%) at 25°C
Run Winding Resistance: 2.53 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 6 A

MOUNTING ACCESSORIES

	Description	Code
Terminal Board:	no	-
Capacitor Bracket:	no	-
Grommets:	yes	2221004
Sleeves:	yes	2222016
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Cover:	yes	2075282
Anchorage:	yes	1027058
Overload Protector Bracket:	yes	2075299

ELECTRICAL COMPONENTS

	Component type	Description	Code
Inverter:	HP DROP IN	1000W 220V	519302020
Motor Protection:	External 3/4"	MST26AKK-3166	2288318

EXTERNAL CHARACTERISTICS

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

	Internal Diameter (mm)	Material	Shape
Suction Connector	8.1	Copper	Slanted 42°
Discharge Connector	6.45	Copper	Straight
Process Connector	6.45	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%
538	290	1.36	14.79	1.86

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

PERFORMANCE CURVE DATA**2000 RPM**

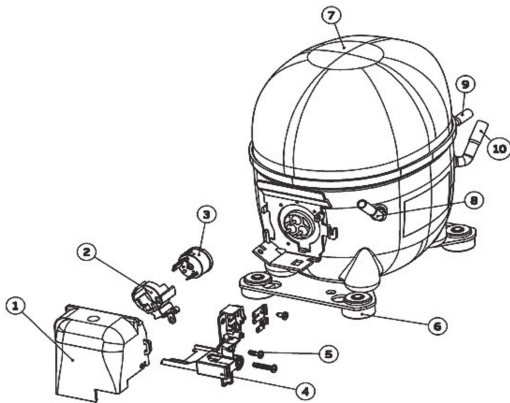
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	10	1 345	312	1.48	34.20	4.31
	5	1 138	303	1.43	28.57	3.75
	0	952	292	1.36	23.63	3.26
	-5	787	279	1.29	19.34	2.82
	-10	643	262	1.21	15.66	2.45
	-15	519	243	1.13	12.57	2.14
	-20	417	221	1.04	10.03	1.89

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	1 138	366	1.79	32.79	3.11
	5	961	351	1.70	27.33	2.74
	0	803	333	1.59	22.53	2.41
	-5	662	312	1.48	18.36	2.12
	-10	538	290	1.36	14.79	1.86
	-15	433	265	1.23	11.79	1.63
	-20	344	239	1.10	9.32	1.44

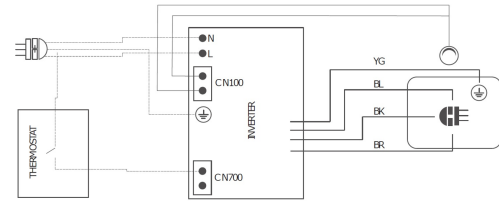
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	10	926	422	1.95	31.22	2.19
	5	781	399	1.85	25.93	1.96
	0	650	373	1.73	21.28	1.74
	-5	534	346	1.61	17.26	1.54
	-10	433	317	1.48	13.82	1.36

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

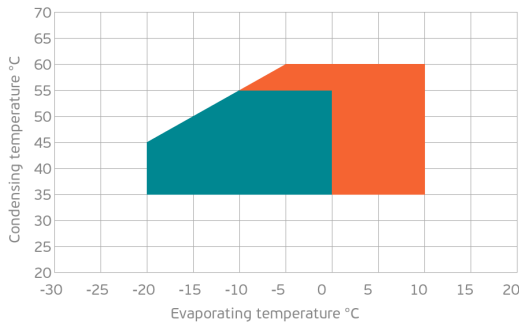
ASSEMBLY INSTRUCTION



WIRING DIAGRAM

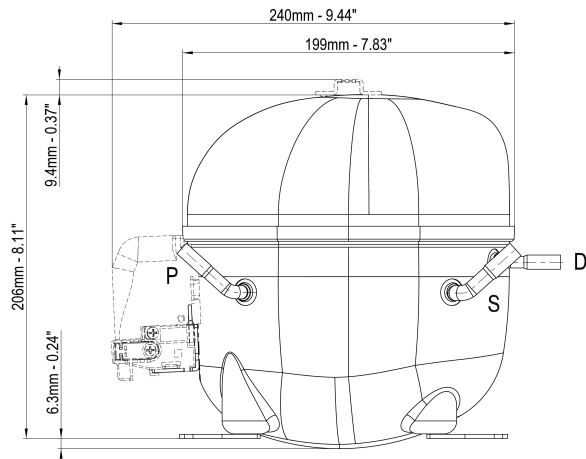


OPERATING ENVELOPE



- 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	6.45 - 6.55	0.25	Cu
D - Discharge	6.45 - 6.55	0.25	Cu

