200-240V 50 / 230V 60Hz 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: Multi - 36 pcs
Displacement: 12.6 cm3
Horse power: 3.4 hp

Approvals:

MECHANICAL DATA

Bore: 31.74 mm
Stroke: 15.87 mm
Oil Charge: 450ml +/-15ml
Free Internal Volume: 3.3 cm3
Maximum Recommended Refrigerant Charge: 800 g
Oil Type Configuration: Polyolester
Oil Type Viscosity: ISO22
Compressor pressuriazation: Dry air charge
Weight: 17.2 kg

ELECTRICAL DATA

Motor Type: CSR
Starting Torque: HST
Voltage working range at 50 Hz: 180-254 V
Voltage working range at 60 Hz: 207-253 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 12.53 Ω (± 10%) at 25°C
Run Winding Resistance: 2.43 Ω (± 10%) at 25°C

MOUNTING ACCESSORIES

	Description	Code
Terminal Board:	no	-
Anchorage:	no	-
Capacitor Bracket:	no	-
Grommets:	yes	2221004
Sleeves:	yes	2222016
Washer:	no	-
Pin:	no	-
Clip:	no	-
Rotolock valve:	no	-
Overload Protector Bracket:	yes	2075299
Cover:	yes	2075278

ELECTRICAL COMPONENTS

	Component type	Description	Code
Start Capacitor:		72-88 MFD 330V	2252270
Run Capacitor:		17.5 MFD	2253311
Starting Device:	Potential relay	RVA3N3C-122	1253022
Motor Protection:	External 3/4"	T0817/G9	2321099
CSR / CSIR Box:	yes		1262251

EXTERNAL CHARACTERISTICS

Base Plate: Universal
Tray Holder: No
Height: 220 mm

	Internal Diameter (mm)	Material	Shape
Suction Connector	9.6	Copper	Vertical
Discharge Connector	6.42	Copper	Vertical
Process Connector	6.42	Copper	Vertical

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%
891	516	2.62	26.74	1.73

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

PERFORMANCE CURVE DATA

200V 50Hz

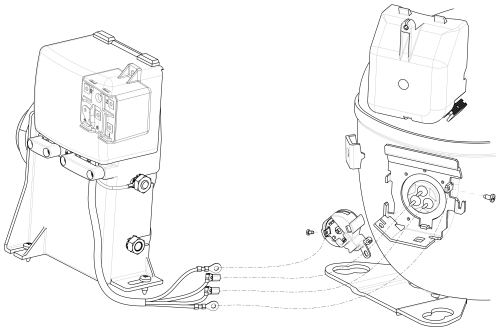
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	10	2 465	577	2.79	68.44	4.27
	5	2 073	565	2.78	56.70	3.67
	0	1 714	544	2.71	46.24	3.15
	-5	1 392	515	2.58	37.10	2.70
	-10	1 111	483	2.43	29.29	2.30
	-15	874	449	2.26	22.83	1.95
	-20	685	416	2.10	17.76	1.65

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	2 049	661	3.18	65.44	3.10
	5	1 714	635	3.12	53.73	2.70
	0	1 406	601	2.99	43.36	2.34
	-5	1 130	560	2.82	34.36	2.02
	-10	891	516	2.62	26.74	1.73
	-15	691	471	2.40	20.54	1.47
	-20	535	429	2.20	15.77	1.25

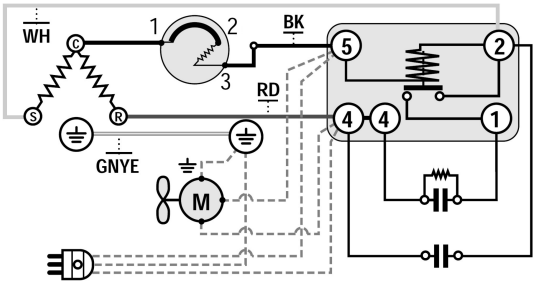
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	10	1 608	745	3.59	61.22	2.16
	5	1 339	707	3.47	49.93	1.90
	0	1 095	660	3.29	40.04	1.66
	-5	878	609	3.05	31.57	1.44
	-10	692	554	2.79	24.54	1.25

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

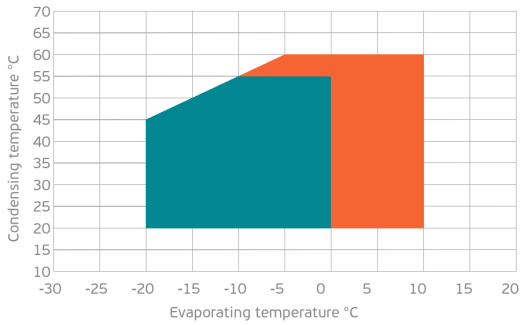
ASSEMBLY INSTRUCTION



WIRING DIAGRAM



OPERATING ENVELOPE

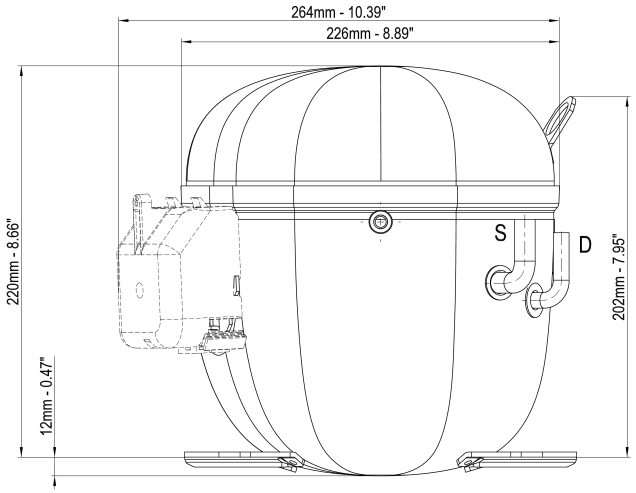


Operating Condition

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	9.60	0.37	Cu
P - Process	6.42	0.25	Cu
D - Discharge	6.42	0.25	Cu