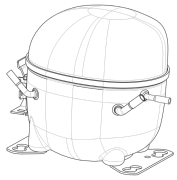
220-240V 50 1~



GENERAL DATA

Application: MBP
Refrigerant: R290
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: 8.77 cm3
Horse power: 1.3 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: 150 g
Oil Type Configuration: Polyolester
Oil Type Viscosity: ISO22
Compressor pressuriazation: Without dry air charge
Weight: 11.3 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: 27.92 Ω (± 10%) at 25°C
Run Winding Resistance: 4.53 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 20 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
Starting Device:	Current relay	MTRP-0030-65	2334128
Motor Protection:	External 3/4"	MST26ALK-3259	2319147

EXTERNAL CHARACTERISTICS

Base Plate: European
Tray Holder: No
Height: 200 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%
648	361	3.14	7.95	1.80

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

PERFORMANCE CURVE DATA

220V 50Hz

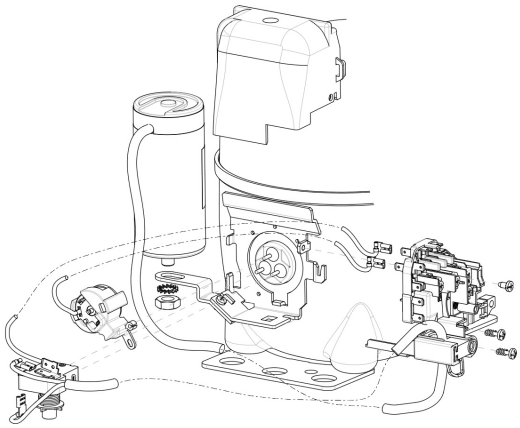
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
35°C	10	1 542	364	3.16	17.89	4.23
	5	1 312	360	3.15	15.05	3.64
	0	1 104	353	3.13	12.54	3.12
	-5	919	344	3.11	10.35	2.67
	-10	756	331	3.09	8.46	2.28
	-15	615	316	3.06	6.84	1.95
	-20	497	298	3.03	5.49	1.67

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	1 349	422	3.30	17.24	3.20
	5	1 143	410	3.26	14.43	2.79
	0	958	396	3.22	11.96	2.42
	-5	792	379	3.18	9.80	2.09
	-10	648	361	3.14	7.95	1.80
	-15	523	339	3.10	6.38	1.54
	-20	419	316	3.06	5.08	1.33

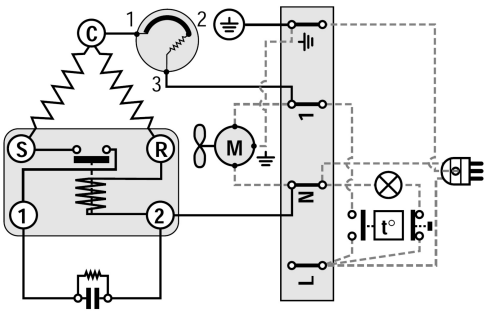
Condensing Temperature (°C)	Evaporating Temperature (°C)	Cooling Capacity (W)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate (kg/h)	Efficiency (W/W)
		±5%	±5%	±5%	±5%	±7%
55°C	10	1 154	470	3.37	16.51	2.45
	5	974	452	3.32	13.74	2.15
	0	812	432	3.27	11.32	1.88
	-5	668	410	3.22	9.22	1.63
	-10	543	386	3.17	7.43	1.41

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

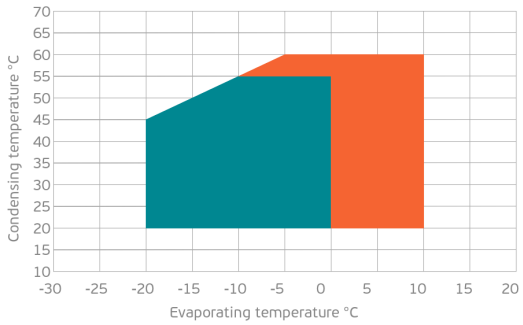
ASSEMBLY INSTRUCTION



WIRING DIAGRAM



OPERATING ENVELOPE

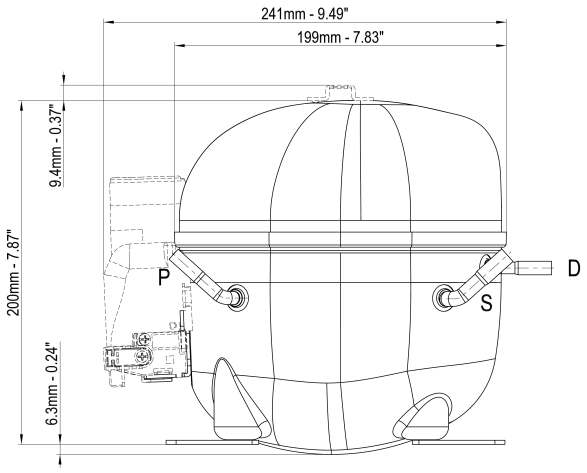


Operating Condition

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	6.10 - 6.20	0.24	Cu
D - Discharge	6.10 - 6.20	0.24	Cu