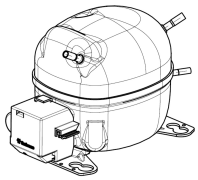
220-240V 50 1~



GENERAL DATA

Application: MBP
Refrigerant: R290
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: 1/4 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: 7.74 kg

ELECTRICAL DATA

Motor Type: CSIR
Starting Torque: HST
Voltage working range at 50 Hz: 198-264 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 21.3 Ω (± 10%) at 25°C
Run Winding Resistance: 12.95 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 9 A

MOUNTING ACCESSORIES

	Description	Code
Anchorage:	no	-
Washer:	no	-
Pin:	no	-
Clip:	no	-
Sleeves:	no	-
Grommets:	yes	2221011
Capacitor Bracket:	yes	2256008
Terminal:	yes	1027060
Cover:	yes	113346023
Overload Protector Bracket:	yes	2075247

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Start Capacitor:		43-53UF - 330V	2252347
Starting Device:	Relay	MTRP-34*	
Motor Protection:		T0250/G6	

EXTERNAL CHARACTERISTICS

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

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.1	Copper	Slanted 42ÃÂ° up + 45ÃÂ° to Back
Discharge Connector	4.94	Copper	Slanted parallet BP+24ÃÂ°to Back
Process Connector	6.1	Copper	Slanted 45ÃÂ° up + 45ÃÂ° 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%
418	205	1.31	4.81	2.04

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

PERFORMANCE CURVE DATA

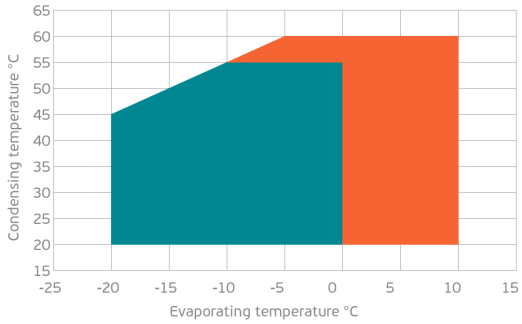
220V 50Hz

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	948	215	1.35	10.25	4.42
	5	798	207	1.33	8.55	3.85
	0	673	200	1.31	7.15	3.36
	-5	567	193	1.28	5.99	2.94
	-10	476	184	1.25	5.01	2.58
	-15	396	175	1.22	4.15	2.27
	-20	324	164	1.20	3.37	1.98

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	844	250	1.46	9.99	3.37
	5	709	239	1.43	8.31	2.97
	0	595	228	1.40	6.93	2.62
	-5	500	216	1.35	5.78	2.31
	-10	418	205	1.31	4.81	2.04
	-15	346	192	1.27	3.96	1.80
	-20	279	178	1.23	3.17	1.56

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	729	290	1.58	9.59	2.51
	5	611	274	1.54	7.97	2.23
	0	514	258	1.50	6.64	1.99
	-5	432	242	1.44	5.54	1.79
	-10	363	226	1.39	4.62	1.60

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