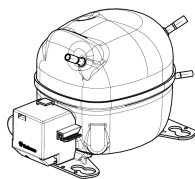


220-240V 50 1~



GENERAL DATA

Application: MBP
Refrigerant: R290
Evaporating Temperature Range: -20°C to 10°C
Compressor Cooling: Static
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube or Expansion Valve
Packing Quantity: 100
Displacement: 4.5 cm³
Horse power: 1/4- hp

Approvals: 

MECHANICAL DATA

Bore: 21 mm
Stroke: 13 mm
Oil Charge: 180ml
Oil Type Configuration: ESTER
Oil Type Viscosity: ISO22
Weight: 7.76 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: 21.1 Ω (± 10%) at 25°C
Run Winding Resistance: 14.4 Ω (± 10%) at 25°C
Locked Rotor Amperage (LRA): 8 A

MOUNTING ACCESSORIES

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

ELECTRICAL COMPONENTS

	Component type	Description	Code
CSR / CSIR Box:	No		
Starting Device:	Relay	MTRP-0015*	
Start Capacitor:		43-53UF - 330V	2252347
Motor Protection:		T0765/G6	

EXTERNAL CHARACTERISTICS

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

	Internal Diameter (mm)	Material	Shape
Suction Connector	6.1	Copper	Slanted 42° up + 45° to Back
Discharge Connector	4.94	Copper	Slanted parallel BP+24° to Back
Process Connector	6.1	Copper	Slanted 45° up + 45° 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%
343	171	1.11	3.94	2.00

Test condition: EN 12900, Static, Return Gas 20°C, Subcooling OK, 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	800	174	1.13	8.64	4.60
	5	680	171	1.12	7.29	3.99
	0	573	166	1.11	6.09	3.45
	-5	477	160	1.09	5.05	2.98
	-10	394	153	1.06	4.14	2.57
	-15	322	146	1.03	3.37	2.21
	-20	262	138	0.99	2.73	1.91

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	705	206	1.25	8.35	3.42
	5	597	199	1.22	7.01	3.00
	0	501	191	1.19	5.83	2.63
	-5	416	181	1.15	4.81	2.30
	-10	343	171	1.11	3.94	2.00
	-15	280	161	1.06	3.20	1.74
	-20	228	150	1.01	2.60	1.52

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	604	241	1.37	7.95	2.50
	5	510	229	1.33	6.65	2.23
	0	426	216	1.28	5.51	1.97
	-5	353	202	1.23	4.53	1.75
	-10	291	188	1.17	3.70	1.54

Test condition: EN 12900, Static, Return Gas 20°C, Subcooling OK, Ambient: 35°C

