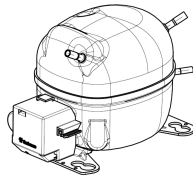


220-240V 50 1~



### 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 cm<sup>3</sup>  
**Horse power:** 1/4- hp

Approvals: 

### MECHANICAL DATA

**Bore:** 21 mm  
**Stroke:** 13 mm  
**Oil Charge:** 180ml  
**Maximum Recommended Refrigerant Charge:** 330 g  
**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
<b>Anchorage:</b>	no	-
<b>Washer:</b>	no	-
<b>Pin:</b>	no	-
<b>Clip:</b>	no	-
<b>Sleeves:</b>	no	-
<b>Grommets:</b>	yes	2221011
<b>Capacitor Bracket:</b>	yes	2256008
<b>Terminal:</b>	yes	1027060
<b>Cover:</b>	yes	113346023
<b>Overload Protector Bracket:</b>	yes	2075247

### ELECTRICAL COMPONENTS

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

### EXTERNAL CHARACTERISTICS

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

	Internal Diameter (mm)	Material	Shape
<b>Suction Connector</b>	6.1	Copper	Slanted 42° up + 45° to Back
<b>Discharge Connector</b>	4.94	Copper	Slanted parallel BP+24° to Back
<b>Process Connector</b>	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**

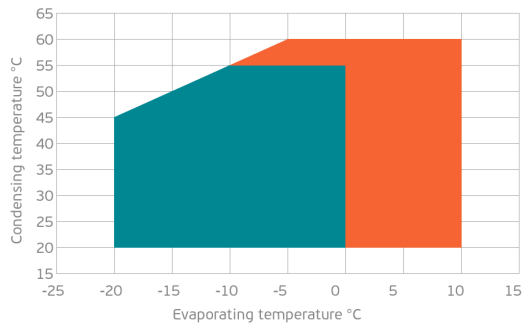
**220V 50Hz**

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%
<b>35°C</b>	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%
<b>45°C</b>	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%
<b>55°C</b>	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



- 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.