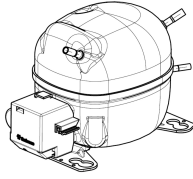


220-240V 50 1~

**GENERAL DATA**

**Application:** LBP  
**Refrigerant:** R404A  
**Evaporating Temperature Range:** -40°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:** 6.76 cm<sup>3</sup>  
**Horse power:** 1/2- hp

Approvals: 

**MECHANICAL DATA**

**Bore:** 22.5 mm  
**Stroke:** 17 mm  
**Oil Charge:** 180ml  
**Maximum Recommended Refrigerant Charge:** 330 g  
**Oil Type Configuration:** ESTER  
**Oil Type Viscosity:** ISO22  
**Weight:** 8 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:** 16.95 Ω (± 10%) at 25°C  
**Run Winding Resistance:** 10.1 Ω (± 10%) at 25°C  
**Locked Rotor Amperage (LRA):** 12 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>Overload Protector Bracket:</b>	yes	2075247
<b>Cover:</b>	yes	113346028

**ELECTRICAL COMPONENTS**

	Component type	Description	Code
<b>CSR / CSIR Box:</b>	No		
<b>Starting Device:</b>	Relay	MTRPH-0025-65*	
<b>Start Capacitor:</b>		72-88UF - 330V	2252345
<b>Motor Protection:</b>		T0971/G6	

**EXTERNAL CHARACTERISTICS**

**Base Plate:** SMALL EUEM  
**Tray Holder:** No  
**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%
382	293	1.82	8.83	1.30

Test condition: ASHRAE, Fan, Return Gas 32.2°C, Evaporating: -23.3°C, Condensing: 54°C, Ambient: 32.2°C, Liquid: 32.2°C

**PERFORMANCE CURVE DATA**

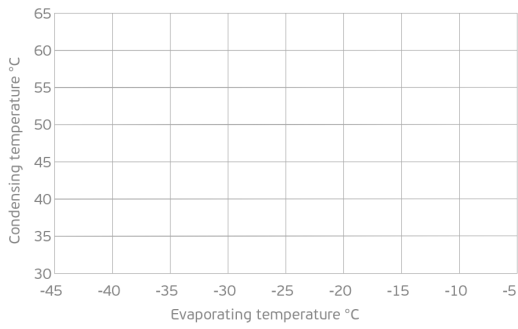
**220V 50Hz**

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	745	340	2.00	17.58	2.19
	-15	614	310	1.90	14.40	1.98
	-20	502	281	1.80	11.69	1.79
	-25	405	253	1.71	9.38	1.60
	-30	322	227	1.62	7.44	1.42
	-35	252	203	1.55	5.80	1.24
	-40	193	180	1.50	4.42	1.07

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	708	375	2.11	16.67	1.89
	-15	582	337	1.98	13.61	1.73
	-20	473	301	1.86	10.99	1.57
	-25	379	268	1.74	8.77	1.41
	-30	299	237	1.64	6.90	1.26
	-35	232	209	1.56	5.32	1.11
	-40	174	184	1.50	3.98	0.95

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	664	410	2.25	15.62	1.62
	-15	543	364	2.08	12.69	1.49
	-20	439	321	1.92	10.19	1.37
	-25	350	281	1.78	8.07	1.24
	-30	273	246	1.66	6.29	1.11

Test condition: ASHRAE, Fan, Return Gas 32.2°C, Ambient: 32.2°C, Liquid: 32.2°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.