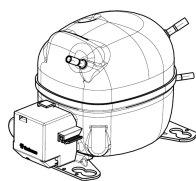


**220-240V 50 1~****GENERAL DATA**

**Application:** LBP  
**Refrigerant:** R404A  
**Evaporating Temperature Range:** -40°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>		T0040/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%
140	130	1.02	3.53	1.08

**Test condition:** EN 12900, Static, Return Gas 20°C, Subcooling OK, Evaporating: -35°C, Condensing: 40°C, Ambient: 35°C

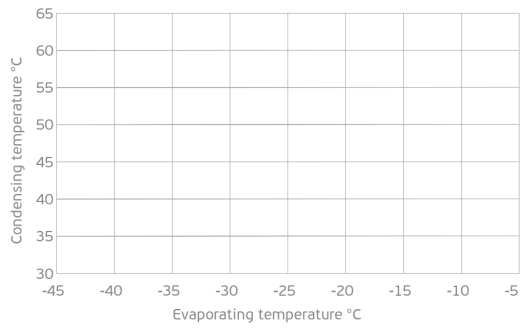
**PERFORMANCE CURVE DATA****220V 50Hz**

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	493	204	1.26	12.03	2.42
	-15	399	188	1.21	9.66	2.13
	-20	320	172	1.16	7.69	1.86
	-25	254	157	1.11	6.08	1.62
	-30	200	142	1.06	4.76	1.41
	-35	155	127	1.02	3.69	1.22
	-40	119	113	0.99	2.80	1.05

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	407	224	1.33	11.19	1.82
	-15	330	205	1.27	9.00	1.61
	-20	265	186	1.20	7.17	1.43
	-25	210	167	1.14	5.66	1.26
	-30	164	149	1.08	4.40	1.10
	-35	125	131	1.03	3.34	0.95
	-40	91	114	0.99	2.42	0.80

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	326	246	1.40	10.40	1.33
	-15	264	222	1.32	8.36	1.19
	-20	211	199	1.24	6.63	1.06
	-25	166	176	1.16	5.17	0.95
	-30	127	153	1.09	3.93	0.83

**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.