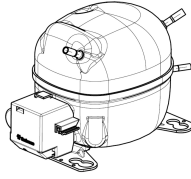


**220-240V 50 1~****GENERAL DATA**

**Application:** LBP  
**Refrigerant:** R290  
**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:** 5.96 cm<sup>3</sup>  
**Horse power:** 1/3+ hp

Approvals: 

**MECHANICAL DATA**

**Bore:** 22.5 mm  
**Stroke:** 15 mm  
**Oil Charge:** 180ml  
**Maximum Recommended Refrigerant Charge:** 330 g  
**Oil Type Configuration:** ESTER  
**Oil Type Viscosity:** ISO22  
**Weight:** 7.75 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:** 19.15 Ω (± 10%) at 25°C  
**Run Winding Resistance:** 11.3 Ω (± 10%) at 25°C  
**Locked Rotor Amperage (LRA):** 10 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>Start Capacitor:</b>		53-64UF - 330V	2252346
<b>Starting Device:</b>	Relay	MTRP-36*	
<b>Motor Protection:</b>		MSP61AMK-3259	

**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%
301	202	1.43	3.06	1.49

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

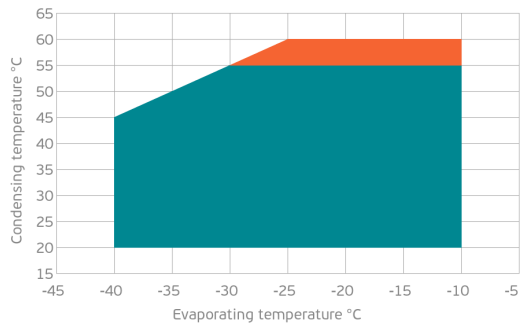
220V 50Hz

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%
35°C	-10	555	209	1.45	5.69	2.65
	-15	464	199	1.42	4.74	2.33
	-20	382	187	1.38	3.89	2.04
	-25	310	174	1.35	3.15	1.78
	-30	248	160	1.32	2.51	1.55
	-35	196	146	1.29	1.97	1.34

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	542	235	1.53	5.56	2.31
	-15	450	219	1.48	4.60	2.05
	-20	367	203	1.43	3.74	1.81
	-25	295	186	1.38	2.99	1.59
	-30	232	168	1.34	2.35	1.38
	-35	180	151	1.30	1.82	1.19

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	520	259	1.60	5.34	2.01
	-15	428	238	1.53	4.38	1.80
	-20	347	217	1.47	3.53	1.60
	-25	276	196	1.41	2.80	1.41
	-30	215	175	1.36	2.18	1.23

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.