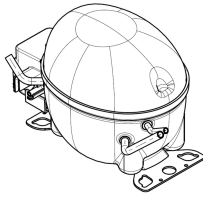


**220V 60 1~****GENERAL DATA**

**Application:** LBP  
**Refrigerant:** R600a  
**Evaporating Temperature Range:** -35°C to -10°C  
**Compressor Cooling:** Static  
**Type:** Hermetic reciprocating  
**Technology Type:** On-Off  
**Expansion Device:** Capillary Tube  
**Packing Quantity:** 100  
**Displacement:** 3.97 cm<sup>3</sup>  
**Horse power:** 1/12 hp  
**Approvals:**

**MECHANICAL DATA**

**Bore:** 19 mm  
**Stroke:** 14 mm  
**Oil Charge:** 180ml  
**Oil Type Configuration:** ALQUILB  
**Oil Type Viscosity:** ISO5  
**Weight:** 7.88 kg

**ELECTRICAL DATA**

**Motor Type:** RSCR  
**Starting Torque:** LST  
**Voltage working range at 50 Hz:** 198-242 V  
**Voltage working range at 60 Hz:** 198-242 V  
**Maximum Motor Temperature:** 130 °C  
**Start Winding Resistance:** 22.1 Ω (± 10%) at 25°C  
**Run Winding Resistance:** 50.65 Ω (± 10%) at 25°C

**MOUNTING ACCESSORIES**

	Description	Code
<b>Anchorage:</b>	no	-
<b>Overload Protector Bracket:</b>	no	-
<b>Capacitor Bracket:</b>	no	-
<b>Washer:</b>	no	-
<b>Pin:</b>	no	-
<b>Cover:</b>	no	-
<b>Grommets:</b>	no	-
<b>Sleeves:</b>	no	-
<b>Terminal:</b>	no	-
<b>Clip:</b>	yes	13143000

**ELECTRICAL COMPONENTS**

	Component type	Description	Code
<b>CSR / CSIR Box:</b>	No		
<b>Run Capacitor:</b>		4UF - 300V 7M220MD3	13556031
<b>Starting Device:</b>	PTC	8EA17C3 QPS2-A22MD3	
<b>Motor Protection:</b>		4TM 104REBY-53	

**EXTERNAL CHARACTERISTICS**

**Base Plate:** UNI EUEM  
**Tray Holder:** No  
**Height:** mm

	Internal Diameter (mm)	Material	Shape
<b>Suction Connector</b>	6.5	Copper	Slanted 42° up + 45° to Back
<b>Discharge Connector</b>	6.5	Copper	Slanted parallel BP+24° to Back
<b>Process Connector</b>	6.5	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%
77	50	0.31	0.83	1.56

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

**PERFORMANCE CURVE DATA**

**220V 60Hz**

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	160	56	0.32	1.72	2.88
	-15	125	51	0.32	1.34	2.43
	-20	99	48	0.32	1.06	2.06
	-25	80	45	0.32	0.86	1.76
	-30	63	42	0.32	0.68	1.50
	-35	45	37	0.30	0.48	1.21

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	154	61	0.33	1.66	2.54
	-15	120	55	0.32	1.29	2.18
	-20	95	51	0.31	1.02	1.87
	-25	76	47	0.31	0.81	1.60
	-30	58	43	0.31	0.62	1.34
	-35	39	38	0.29	0.41	1.02

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	145	65	0.34	1.57	2.23
	-15	113	58	0.32	1.22	1.95
	-20	90	53	0.31	0.96	1.70
	-25	70	48	0.31	0.75	1.46
	-30	52	43	0.31	0.56	1.21

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

