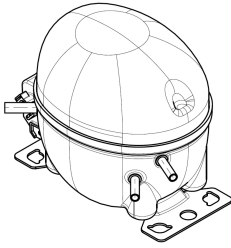


230V 3~



**GENERAL DATA**

**Application:** LBP  
**Refrigerant:** R600a  
**Evaporating Temperature Range:** -35°C to -10°C  
**Compressor Cooling:** Static  
**Type:** Hermetic reciprocating  
**Technology Type:** VCC  
**Expansion Device:** Capillary Tube  
**Packing Quantity:** 80  
**Displacement:** 9.34 cm<sup>3</sup>  
**Horse power:** 1/5 hp

Approvals:  

**MECHANICAL DATA**

**Bore:** 26 mm  
**Stroke:** 17.6 mm  
**Oil Charge:** 220ml  
**Oil Type Configuration:** MINERAL  
**Oil Type Viscosity:** ISO10  
**Weight:** 7.59 kg

**ELECTRICAL DATA**

**Motor Type:** BPM  
**Starting Torque:** LST  
**Voltage working range at 50 Hz:** 207-253 V  
**Voltage working range at 60 Hz:** 207-253 V  
**Maximum Motor Temperature:** 130 °C  
**Start Winding Resistance:** 16.07 Ω (± 10%) at 25°C  
**Run Winding Resistance:** 16.07 Ω (± 10%) at 25°C  
**Locked Rotor Amperage (LRA):** 2 A

**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>Clip:</b>	no	-
<b>Cover:</b>	no	-
<b>Grommets:</b>	no	-
<b>Sleeves:</b>	no	-
<b>Terminal:</b>	no	-

**ELECTRICAL COMPONENTS**

	Component type	Description	Code
<b>CSR / CSIR Box:</b>	No		
<b>Starting Device:</b>	Inverter	VCC32456XXXX	
<b>Motor Protection:</b>		VCC32456XXXXX VCC32456XXXXX	
<b>Inverter:</b>	Drop-in	VCC3 245641F02 Liebherr	519306048

**EXTERNAL CHARACTERISTICS**

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

	Internal Diameter (mm)	Material	Shape
<b>Suction Connector</b>	6.1	Copper	Slanted 12° out + 79° up
<b>Discharge Connector</b>	6.1	Copper	Slanted parallel BP+24° to Back
<b>Process Connector</b>	6	Copper(OD)	Slanted 42° 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%
74	55	0.45	0.96	1.35

Test condition: CECOMAF, Static, Return Gas 32°C, Subcooling OK, Evaporating: -25°C, Condensing: 55°C, Ambient: 32°C

**PERFORMANCE CURVE DATA**

**1600 RPM**

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	207	63	0.46	2.28	3.30
	-15	167	57	0.38	1.83	2.94
	-20	132	52	0.35	1.45	2.56
	-25	102	47	0.35	1.12	2.18
	-30	76	42	0.33	0.84	1.82
	-35	55	37	0.27	0.60	1.50

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	180	71	0.75	2.15	2.53
	-15	145	64	0.61	1.73	2.28
	-20	115	57	0.52	1.37	2.03
	-25	89	50	0.45	1.06	1.78
	-30	68	43	0.37	0.80	1.57
	-35	50	36	0.24	0.59	1.39

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	154	81	0.59	2.01	1.91
	-15	123	72	0.50	1.61	1.72
	-20	96	63	0.47	1.26	1.53
	-25	74	55	0.45	0.96	1.35
	-30	55	46	0.41	0.72	1.20

Test condition: CECOMAF, Static, Return Gas 32°C, Subcooling OK, Ambient: 32°C

