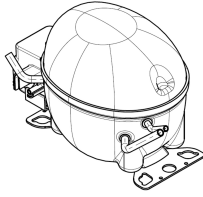


220-240V 50 1~



**GENERAL DATA**

**Application:** HBP  
**Refrigerant:** R600a  
**Evaporating Temperature Range:** -15°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:** 9.04 cm<sup>3</sup>  
**Horse power:** 1/5 hp

**Approvals:** 

**MECHANICAL DATA**

**Bore:** 24 mm  
**Stroke:** 20 mm  
**Oil Charge:** 180ml  
**Oil Type Configuration:** MINERAL  
**Oil Type Viscosity:** ISO10  
**Weight:** 7.7 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

**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>Starting Device:</b>	Relay	MTRP-0015*	
<b>Start Capacitor:</b>		43-53UF - 330V	
<b>Motor Protection:</b>		T0933/G6	2319137

**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>	6.1	Copper	Slanted parallel BP+24° to Back
<b>Process Connector</b>	6	Copper(OD)	Slanted 43° 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%
486	202	1.18	6.14	2.41

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling OK, Evaporating: 5°C, Condensing: 50°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	673	196	1.16	7.52	3.43
	5	565	180	1.11	6.28	3.14
	0	468	165	1.06	5.20	2.84
	-5	383	152	1.02	4.24	2.53
	-10	309	139	0.98	3.41	2.22
	-15	243	127	0.94	2.68	1.91

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	614	211	1.21	7.45	2.91
	5	515	194	1.15	6.22	2.65
	0	427	178	1.10	5.14	2.40
	-5	350	163	1.05	4.20	2.14
	-10	282	149	1.01	3.38	1.89
	-15	223	136	0.96	2.66	1.64

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	543	229	1.27	7.23	2.37
	5	455	210	1.21	6.03	2.17
	0	377	192	1.15	4.98	1.97
	-5	310	175	1.09	4.07	1.77
	-10	250	158	1.03	3.28	1.58

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling OK, Ambient: 35°C

