

220-240V 50 1~



### GENERAL DATA

**Application:** HBP  
**Refrigerant:** R600a  
**Evaporating Temperature Range:** -15°C to 10°C  
**Compressor Cooling:** Static  
**Type:** Hermetic reciprocating  
**Technology Type:** On-Off  
**Expansion Device:** Capillary Tube  
**Packing Quantity:** 100  
**Displacement:** 6.78 cm<sup>3</sup>  
**Horse power:** 1/8 hp

Approvals: 

### MECHANICAL DATA

**Bore:** 24 mm  
**Stroke:** 15 mm  
**Oil Charge:** 180ml  
**Oil Type Configuration:** MINERAL  
**Oil Type Viscosity:** ISO10  
**Weight:** 7.65 kg

### ELECTRICAL DATA

**Motor Type:** RSIR  
**Starting Torque:** LST  
**Voltage working range at 60 Hz:** 198-264 V  
**Maximum Motor Temperature:** 130 °C  
**Start Winding Resistance:** 26.9 Ω (± 10%) at 25°C  
**Run Winding Resistance:** 17.5 Ω (± 10%) at 25°C  
**Locked Rotor Amperage (LRA):** 6 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>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>	PTC	V230	
<b>Motor Protection:</b>		T0357/07	2288035

### 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%
357	135	0.88	4.51	2.64

Test condition: EN 12900, Static, 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	511	122	0.84	5.71	4.19
	5	426	116	0.82	4.75	3.67
	0	352	109	0.80	3.91	3.22
	-5	288	102	0.78	3.18	2.82
	-10	232	95	0.76	2.56	2.45
	-15	185	87	0.75	2.03	2.13

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	459	137	0.89	5.57	3.34
	5	381	129	0.86	4.61	2.96
	0	313	120	0.83	3.77	2.62
	-5	255	111	0.80	3.06	2.30
	-10	205	101	0.78	2.45	2.02
	-15	162	92	0.76	1.94	1.76

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	402	153	0.94	5.35	2.62
	5	332	142	0.90	4.41	2.34
	0	272	131	0.86	3.59	2.08
	-5	220	119	0.83	2.90	1.85
	-10	176	108	0.80	2.31	1.63

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

Model **EMT45CDP**

Code **51330620899.Q**

**embraco** POWER IN.  
CHANGE ON.