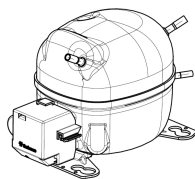


220-240V 50 1~



### GENERAL DATA

**Application:** HBP  
**Refrigerant:** R134a  
**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:** 6.76 cm<sup>3</sup>  
**Horse power:** 1/4 hp

Approvals: 

### MECHANICAL DATA

**Bore:** 22.5 mm  
**Stroke:** 17 mm  
**Oil Charge:** 180ml  
**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>Grommets:</b>	no	-
<b>Sleeves:</b>	no	-
<b>Capacitor Bracket:</b>	yes	2256008
<b>Cover:</b>	yes	213336044
<b>Overload Protector Bracket:</b>	yes	2075247
<b>Terminal:</b>	yes	2075228

### ELECTRICAL COMPONENTS

	Component type	Description	Code
<b>CSR / CSIR Box:</b>	No		
<b>Start Capacitor:</b>		53-64UF - 330V	2252346
<b>Motor Protection:</b>		T0571/G6	
<b>Starting Device:</b>	Relay	MTRP-36*	

### 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%
736	299	1.75	16.23	2.47

**Test condition:** ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Evaporating: 7.2°C, Condensing: 54°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	1 003	268	1.65	18.95	3.74
	5	843	245	1.57	15.83	3.44
	0	701	224	1.50	13.08	3.12
	-5	574	205	1.45	10.67	2.80
	-10	464	188	1.40	8.60	2.47
	-15	371	172	1.35	6.84	2.16

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	910	290	1.73	18.61	3.14
	5	762	266	1.64	15.48	2.87
	0	630	243	1.56	12.72	2.59
	-5	513	222	1.49	10.31	2.31
	-10	412	202	1.43	8.24	2.04
	-15	326	183	1.38	6.49	1.78

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	802	317	1.82	17.91	2.53
	5	669	289	1.72	14.84	2.31
	0	551	263	1.63	12.15	2.10
	-5	448	238	1.55	9.81	1.88
	-10	358	214	1.47	7.82	1.67

**Test condition:** ASHRAE, Fan, Return Gas 35°C, Subcooling 8.3K, Ambient: 35°C

Model **EMT6160Z**

Code 51330623099.Q

**embraco** POWER IN.  
CHANGE ON.