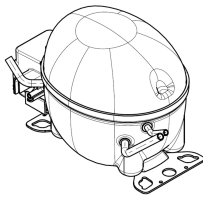


220-240V 50 1~



### GENERAL DATA

**Application:** MBP  
**Refrigerant:** R404A  
**Evaporating Temperature Range:** -20°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:** 3.97 cm<sup>3</sup>  
**Horse power:** 1/4- hp

Approvals: 

### MECHANICAL DATA

**Bore:** 19 mm  
**Stroke:** 14 mm  
**Oil Charge:** 180ml  
**Oil Type Configuration:** ESTER  
**Oil Type Viscosity:** ISO22  
**Weight:** 7.6 kg

### ELECTRICAL DATA

**Motor Type:** CSIR  
**Starting Torque:** HST  
**Voltage working range at 50 Hz:** 198-264 V  
**Voltage working range at 60 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  
**Locked Rotor Amperage (LRA):** 8 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>	Relay	MTRP-0015*	
<b>Motor Protection:</b>		T0043/G6	2319103
<b>Start Capacitor:</b>		43-53UF - 330V	

### 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>	6.1	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%
691	279	1.52	19.32	2.48

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	1 004	223	1.29	22.87	4.51
	5	854	213	1.25	19.21	4.01
	0	719	202	1.21	16.01	3.56
	-5	600	191	1.17	13.25	3.14
	-10	495	179	1.13	10.86	2.76
	-15	404	168	1.09	8.82	2.41
	-20	327	156	1.05	7.07	2.09

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	879	256	1.42	22.23	3.44
	5	745	243	1.36	18.57	3.06
	0	625	229	1.31	15.40	2.72
	-5	519	215	1.25	12.66	2.42
	-10	426	199	1.20	10.32	2.14
	-15	346	184	1.14	8.33	1.88
	-20	278	168	1.08	6.65	1.66

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	746	291	1.58	21.31	2.56
	5	629	275	1.50	17.69	2.29
	0	524	257	1.42	14.57	2.04
	-5	433	237	1.34	11.90	1.83
	-10	354	217	1.26	9.63	1.63

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

Model **EMT6144GK**

Code 513306214...Q

**embraco** POWER IN.  
CHANGE ON.