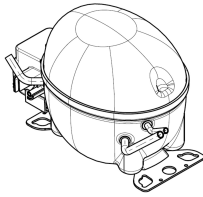


220-240V 50 1~



### GENERAL DATA

**Application:** LBP  
**Refrigerant:** R290  
**Evaporating Temperature Range:** -40°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:** 1/2- hp

Approvals: 

### MECHANICAL DATA

**Bore:** 22.5 mm  
**Stroke:** 17 mm  
**Oil Charge:** 180ml  
**Oil Type Configuration:** ESTER  
**Oil Type Viscosity:** ISO22  
**Weight:** 8 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:** 16.95 Ω (± 10%) at 25°C  
**Run Winding Resistance:** 10.1 Ω (± 10%) at 25°C  
**Locked Rotor Amperage (LRA):** 12 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>Motor Protection:</b>		T0933/G6	2319137
<b>Starting Device:</b>	Relay	MTRPH-0025-65*	
<b>Start Capacitor:</b>		72-88UF - 330V	

### EXTERNAL CHARACTERISTICS

**Base Plate:** SMALL EUEM  
**Tray Holder:** No  
**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%
196	175	1.49	2.11	1.12

Test condition: EN 12900, Fan, Return Gas 20°C, Subcooling OK, Evaporating: -35°C, Condensing: 40°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	606	249	1.69	6.38	2.44
	-15	505	235	1.65	5.29	2.15
	-20	416	220	1.60	4.33	1.89
	-25	337	204	1.56	3.50	1.65
	-30	269	188	1.52	2.78	1.43
	-35	211	171	1.49	2.18	1.23

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	543	279	1.78	6.24	1.94
	-15	450	259	1.71	5.14	1.74
	-20	367	239	1.65	4.18	1.54
	-25	295	218	1.59	3.35	1.35
	-30	233	198	1.54	2.63	1.18
	-35	180	178	1.49	2.03	1.01

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	472	304	1.86	6.01	1.55
	-15	389	278	1.77	4.93	1.40
	-20	315	253	1.69	3.98	1.25
	-25	251	228	1.62	3.15	1.10
	-30	196	205	1.55	2.46	0.96

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

Model **EMT2130U**

Code 513306231...Q

**embraco** POWER IN.  
CHANGE ON.