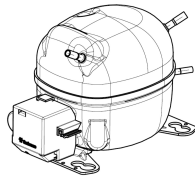


220-240V 50 1~



### GENERAL DATA

**Application:** LBP  
**Refrigerant:** R290  
**Evaporating Temperature Range:** -40°C to -10°C  
**Compressor Cooling:** Static  
**Type:** Hermetic reciprocating  
**Technology Type:** On-Off  
**Expansion Device:** Capillary Tube or Expansion Valve  
**Packing Quantity:** 100  
**Displacement:** 5.56 cm<sup>3</sup>  
**Horse power:** 1/3- hp

Approvals: 

### MECHANICAL DATA

**Bore:** 22.5 mm  
**Stroke:** 14 mm  
**Oil Charge:** 180ml  
**Oil Type Configuration:** ESTER  
**Oil Type Viscosity:** ISO22  
**Weight:** 7.76 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  
**Locked Rotor Amperage (LRA):** 8 A

### MOUNTING ACCESSORIES

	Description	Code
<b>Anchorage:</b>	no	-
<b>Washer:</b>	no	-
<b>Pin:</b>	no	-
<b>Clip:</b>	no	-
<b>Sleeves:</b>	no	-
<b>Grommets:</b>	yes	2221011
<b>Capacitor Bracket:</b>	yes	2256008
<b>Terminal:</b>	yes	1027060
<b>Cover:</b>	yes	113346023
<b>Overload Protector Bracket:</b>	yes	2075247

### 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	2252347
<b>Motor Protection:</b>		T0045/G6	

### 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%
268	180	1.14	2.73	1.49

Test condition: ASHRAE, Static, Return Gas 32.2°C, Evaporating: -23.3°C, Condensing: 54°C, Ambient: 32.2°C, Liquid: 32.2°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	506	189	1.18	5.19	2.68
	-15	421	178	1.14	4.31	2.36
	-20	346	167	1.10	3.52	2.07
	-25	280	155	1.06	2.84	1.81
	-30	222	142	1.02	2.25	1.57
	-35	174	128	0.98	1.75	1.36

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	491	215	1.27	5.04	2.28
	-15	406	199	1.21	4.15	2.04
	-20	331	183	1.15	3.37	1.81
	-25	265	166	1.09	2.69	1.60
	-30	208	149	1.04	2.10	1.39
	-35	161	132	0.99	1.62	1.22

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	467	238	1.36	4.80	1.96
	-15	384	216	1.27	3.92	1.77
	-20	310	195	1.19	3.15	1.59
	-25	246	174	1.12	2.49	1.41
	-30	191	154	1.06	1.93	1.24

Test condition: ASHRAE, Static, Return Gas 32.2°C, Ambient: 32.2°C, Liquid: 32.2°C

Model **EMT2121U**

Code **51330623599ZA**

**embraco** POWER IN.  
CHANGE ON.