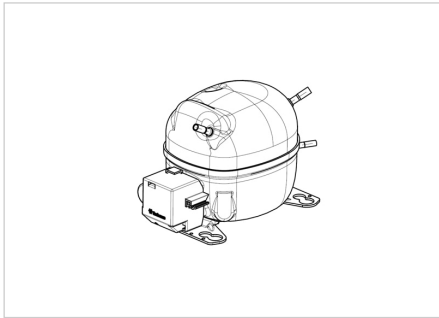


MODEL

**EMT2125U****embraco****APPROVALS**

**ENGINEERING CODE**  
872EA67

**APPROVED REFRIGERANT**  
R-290

**POWER SUPPLY**  
220-240 V 50 Hz

**STANDARD CONDITIONS**  
ASHRAE

**APPLICATION**  
LBP

**COOLING CAPACITY**  
300 W

**EFFICIENCY**  
1.49 W/W

**MOTOR TYPE**  
CSIR

**STARTING TORQUE**  
HST

**DATA****General Data**

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	5.96 cm <sup>3</sup>
Compressor Cooling	Fan/NotControlled/220
Expansion Device	Capillary Tube or Expansion Valve
Horse Power	1/3 hp
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-40 °C to -10 °C

**Electrical Data**

Motor type	CSIR
Starting Torque	HST

**Mechanical Data**

Oil Charge	180 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Weight	7.8 Kg

## Electrical Components

	Description
Start Capacitor	53-64 ?F / 330 V
Starting Device	Relay   MTRP-36*
Motor Protection	MSP61AMK-3259

## External Characteristics

Tray Holder	Yes	
Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42°/Copper
Discharge	4.94 mm	Straight/Copper
Process	6.1 mm	Slanted 42°/Copper

## PERFORMANCE

### Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	300 W	202 W	1.4 A	3.06 kg/h	1.49 W/W

Test Condition: ASHRAE, Fan/NotControlled/220, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C, Liquid 32.2°C. Data in accordance to ASHRAE guideline polynomial curve.

### Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	195	146	1.27	1.99	1.34
-30	248	161	1.3	2.52	1.55
-25	310	174	1.34	3.15	1.78
-20	382	187	1.37	3.89	2.04
-15	464	199	1.41	4.74	2.33
-10	555	210	1.45	5.70	2.65

Test Condition: ASHRAE, Fan/NotControlled/220, LBP. Data in accordance to ASHRAE guideline polynomial curve.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	180	151	1.27	1.83	1.19
-30	232	168	1.32	2.36	1.38
-25	295	186	1.36	3.00	1.59
-20	367	203	1.41	3.74	1.81
-15	450	219	1.46	4.60	2.05
-10	542	235	1.52	5.57	2.31

Test Condition: ASHRAE, Fan/NotControlled/220, LBP. Data in accordance to ASHRAE guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	165	155	1.27	1.68	1.07
-30	215	175	1.32	2.19	1.23
-25	276	196	1.38	2.81	1.41
-20	347	217	1.45	3.54	1.6
-15	428	238	1.51	4.38	1.8
-10	520	259	1.59	5.34	2.01

Test Condition: ASHRAE, Fan/NotControlled/220, LBP. Data in accordance to ASHRAE guideline polynomial curve.