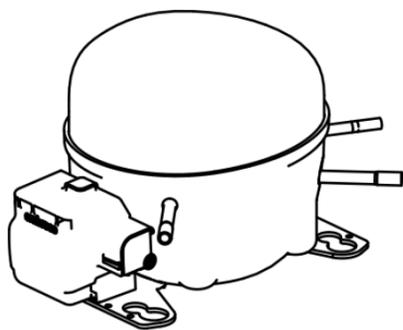


EMT2125U



**ENGINEERING CODE**  
513300754

**REFRIGERANT**  
R-290

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

**APPLICATION**  
LBP

**MOTOR TYPE**  
CSIR

**STANDARD**  
ASHRAE

**COOLING CAPACITY**  
284 W

**EFFICIENCY**  
1.47 W/W



DATA

GENERAL DATA

Model	EMT2125U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	LST
Plant	CHINA

ELECTRICAL DATA

Start Winding Resistance	null
Run Winding Resistance	null
Locked Rotor Amperage (LRA) 50Hz	8.5 A

## MECHANICAL DATA

Displacement	5.96 cm <sup>3</sup>
Oil Charge	180 ml
Oil Type	ALQUILB
Oil Viscosity	ISO22
Weight	7.8 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	43-53 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-34*
Overload Protection	4TM276RFBYY-53

## EXTERNAL CHARACTERISTICS

Base Plate	SMALL EUEM
Tray Holder	YES

Connector	Internal Diameter	Shape	Material
Suction	6.2 mm	SLANTED 40° UP + 45° TO BACK	COPPER
Discharge	4.9 mm	SLANTED 0° UP + 24° TO BACK	COPPER
Process	6.2 mm	SLANTED 40° UP + 45° TO BACK	COPPER

## PERFORMANCE

### TESTED CONDITIONS

Tested Refrigerant	R-290
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 Hz
Max Refrigerant Charge	150 g
Refrigerant Temperature	Dew

**RATED POINTS**

Condensing Temperature °C	Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
54.4	-23.3	284	1.47	193	1.23	2.88

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**PERFORMANCE CURVE****Condensing Temperature 35°C**

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	162	1.35	120	1.02	1.63
-35	210	1.57	134	1.06	2.12
-30	271	1.81	150	1.10	2.75
-25	344	2.07	166	1.15	3.49
-20	427	2.35	181	1.20	4.34
-15	517	2.66	194	1.24	5.29
-10	615	3.02	203	1.29	6.31

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**PERFORMANCE CURVE****Condensing Temperature 45°C**

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	142	1.12	128	1.04	1.43
-35	184	1.30	142	1.08	1.86
-30	239	1.50	159	1.13	2.42
-25	305	1.71	179	1.18	3.10
-20	381	1.92	198	1.24	3.88
-15	464	2.14	217	1.31	4.74
-10	554	2.37	233	1.38	5.69

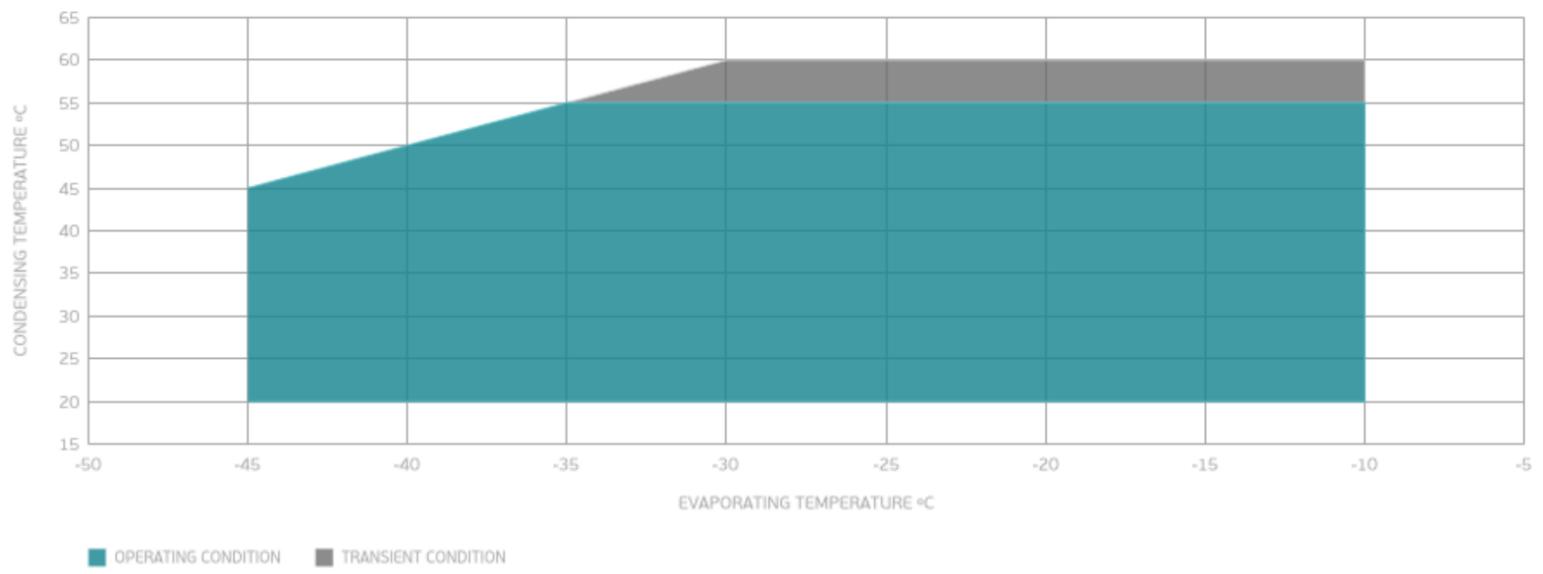
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

**PERFORMANCE CURVE****Condensing Temperature 55°C**

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	153	1.03	148	1.10	1.54
-30	200	1.21	165	1.15	2.03
-25	259	1.39	186	1.21	2.62
-20	326	1.57	208	1.28	3.32
-15	401	1.74	231	1.36	4.10
-10	483	1.90	254	1.44	4.96

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

## ENVELOPE



## EXTERNAL DIMENSIONS

