

EMT2125U



ENGINEERING CODE
513300484



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
183 W



EFFICIENCY
1.32 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 ³
Oil Charge	180 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.8 Kg

ELECTRICAL COMPONENTS

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

EXTERNAL CHARACTERISTICS

Base Plate	LARGE
Tray Holder	YES

Connector	Internal Diameter	Shape	Material
Suction	6.2 mm	SLANTED 12° OUT + 79° UP	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	EN12900
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
40	-35	183	1.32	138	-	2.1
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.						

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	159	1.33	120	-	1.74
-35	203	1.52	134	-	2.22
-30	259	1.73	149	-	2.85
-25	329	1.98	166	-	3.63
-20	410	2.25	182	-	4.54
-15	502	2.57	195	-	5.59
-10	604	2.95	205	-	6.76
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

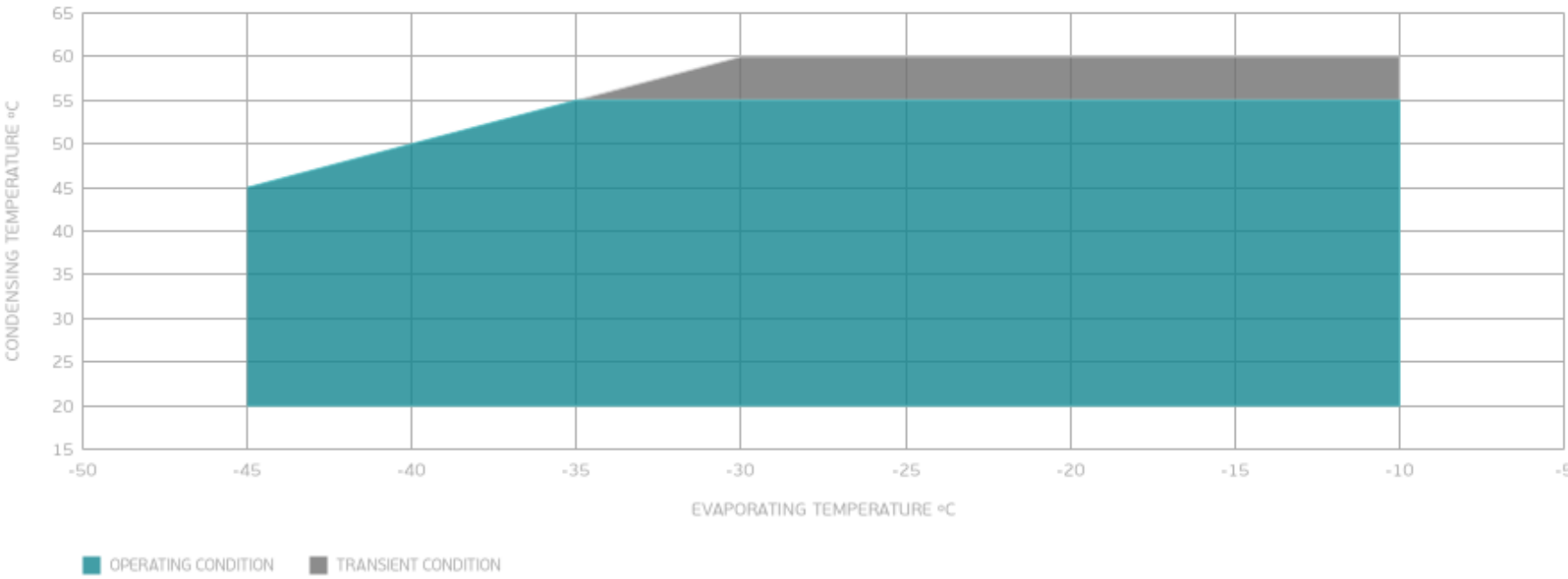
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	128	0.99	129	-	1.53
-35	162	1.14	142	-	1.95
-30	208	1.31	159	-	2.51
-25	264	1.48	178	-	3.20
-20	331	1.67	198	-	4.03
-15	407	1.88	217	-	4.98
-10	492	2.11	233	-	6.05
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

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	118	0.80	147	-	1.58
-30	153	0.94	164	-	2.06
-25	198	1.07	184	-	2.67
-20	251	1.22	206	-	3.40
-15	312	1.36	229	-	4.25
-10	380	1.51	252	-	5.21
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

