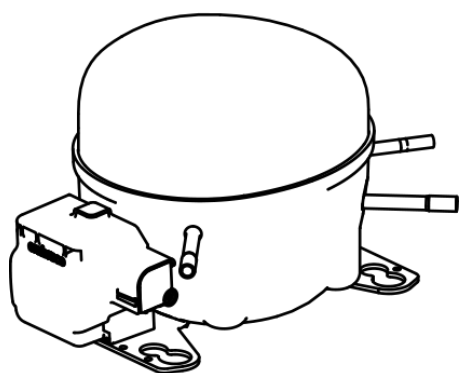


EMT2125U



ENGINEERING CODE
513306233

REFRIGERANT
R-290

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
174 W

EFFICIENCY
1.17 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	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	19.15 Ω at 25°C
Run Winding Resistance	11.3 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	9.8 A
Rated Load Amperage (LMBP) at 50 Hz	2.5 A
Rated Load Amperage (HBP) at 50 Hz	2.6 A

MECHANICAL DATA

Displacement	5.96 cm ³
Oil Charge	180 ml
Oil Type	ALQUILB
Oil Viscosity	ISO22
Weight	7.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	MSP61AMK-3259

EXTERNAL CHARACTERISTICS

Base Plate	SMALL EUEM
Tray Holder	YES

Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED PARALLET BP+24°TO BACK	COPPER
Process	6.1 mm	SLANTED 45° 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	174	1.17	149	-	2

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	145	1.11	131	-	1.59
-35	189	1.30	145	-	2.07
-30	240	1.50	160	-	2.64
-25	299	1.72	174	-	3.30
-20	368	1.97	187	-	4.08
-15	447	2.25	198	-	4.98
-10	537	2.60	206	-	6.01

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	121	0.90	134	-	1.45
-35	160	1.06	151	-	1.92
-30	206	1.22	169	-	2.48
-25	259	1.39	187	-	3.14
-20	321	1.57	204	-	3.91
-15	393	1.78	221	-	4.81
-10	475	2.01	236	-	5.84

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

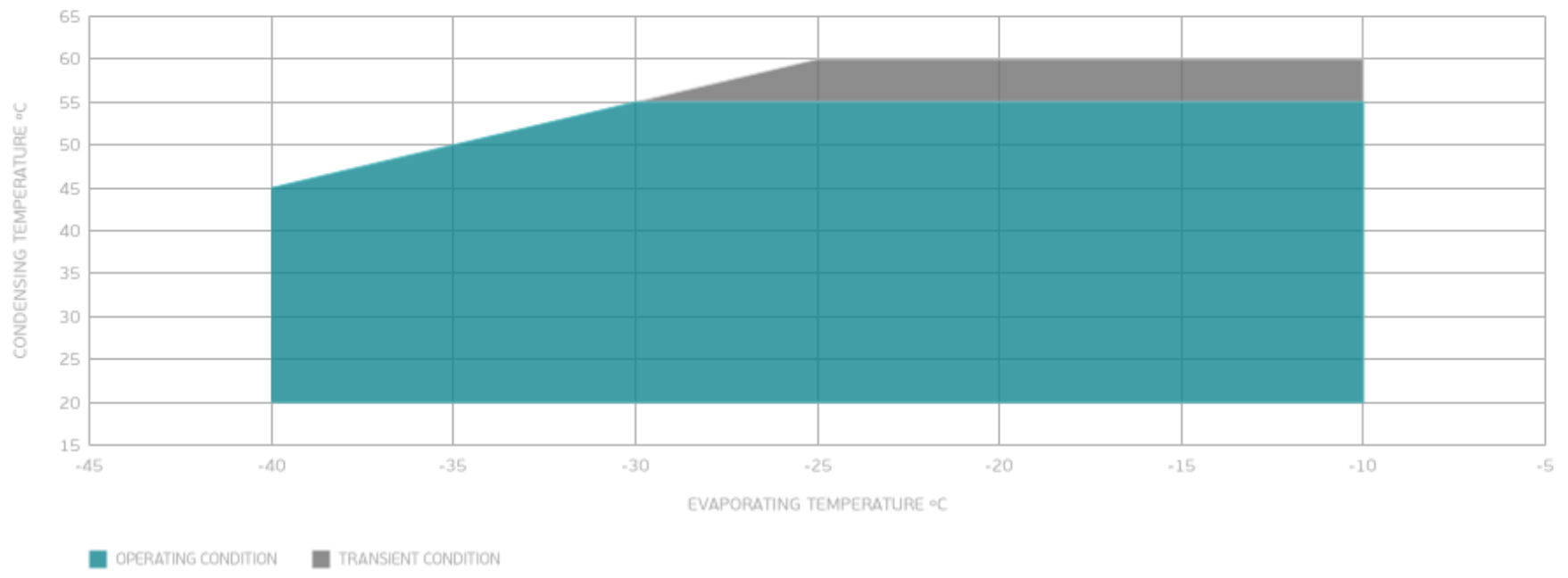
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	172	0.99	174	-	2.31
-25	219	1.13	195	-	2.96
-20	274	1.27	216	-	3.72
-15	338	1.42	238	-	4.62
-10	411	1.59	258	-	5.65

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

