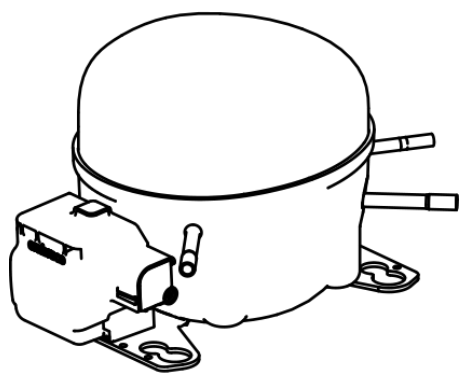


EMT6152U



ENGINEERING CODE
513306236



REFRIGERANT
R-290



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSIR



STANDARD
EN12900



COOLING CAPACITY
408 W



EFFICIENCY
1.99 W/W



DATA

GENERAL DATA

Model	EMT6152U
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/4
Starting Torque	HST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	21.3 Ω at 25°C
Run Winding Resistance	12.95 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	8.5 A
Rated Load Amperage (LMBP) at 50 Hz	2.1 A
Rated Load Amperage (HBP) at 50 Hz	2.3 A

MECHANICAL DATA

Displacement	5.19 cm ³
Oil Charge	180 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.7 Kg

ELECTRICAL COMPONENTS

Start Capacitor	43-53 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-34* QL2-3.95 ***
Overload Protection	T0250/G6

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	MBP
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
45	-10	408	1.99	205	-	5.02

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
-20	321	1.97	163	-	3.55
-15	388	2.24	173	-	4.32
-10	466	2.54	184	-	5.22
-5	559	2.89	194	-	6.29
0	667	3.32	201	-	7.57
5	792	3.88	204	-	9.07
10	937	4.64	202	-	10.84

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
-20	279	1.54	181	-	3.40
-15	339	1.77	192	-	4.14
-10	408	1.99	205	-	5.02
-5	490	2.23	219	-	6.07
0	586	2.51	233	-	7.31
5	697	2.84	245	-	8.79
10	826	3.26	253	-	10.53

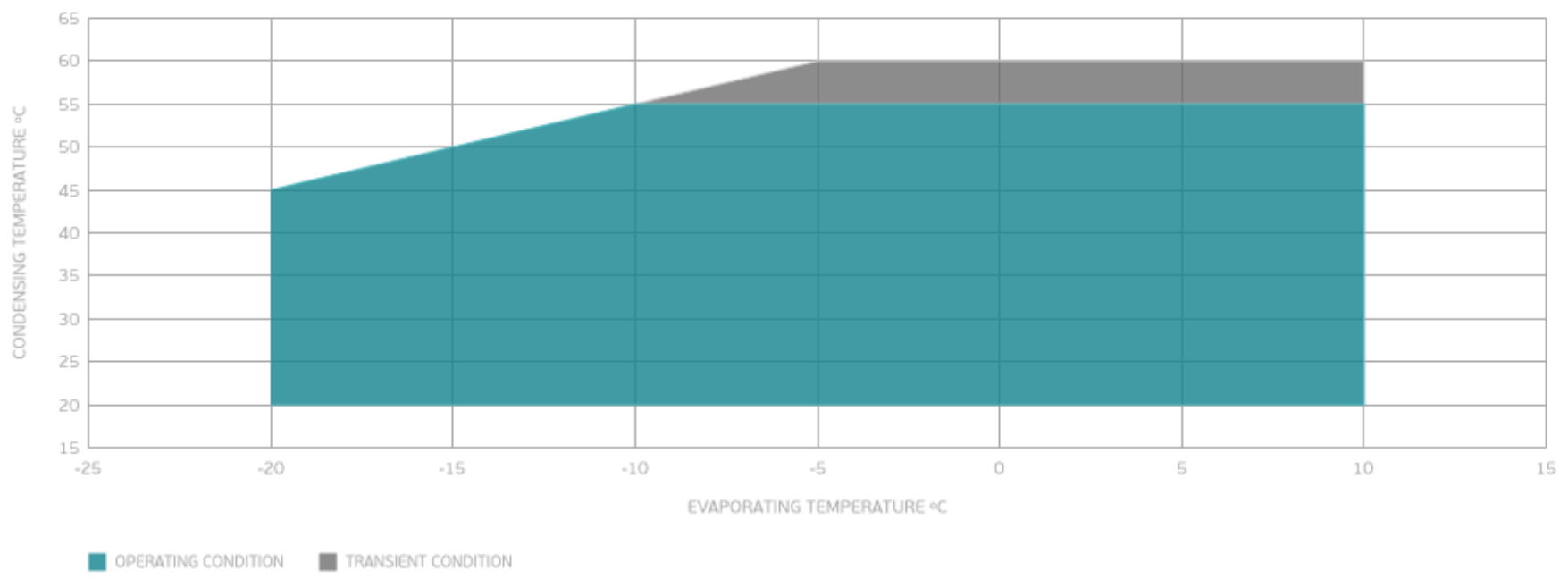
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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
-10	349	1.59	219	-	4.79
-5	420	1.77	236	-	5.81
0	502	1.97	255	-	7.02
5	599	2.19	273	-	8.47
10	712	2.46	290	-	10.18

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

ENVELOPE



EXTERNAL DIMENSIONS

