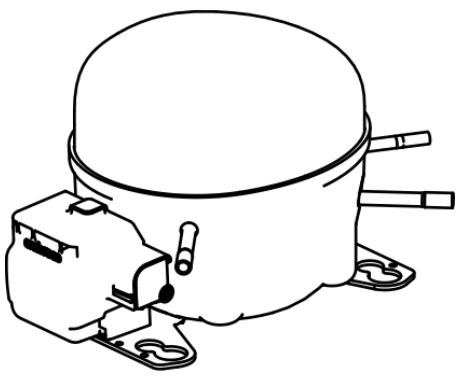
COMPRESSOR TECHNICAL DATA

EMT6152U



ENGINEERING CODE
513306275

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

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	NO

Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42º 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	319	1.95	163	-	3.53
-15	388	2.24	173	-	4.32
-10	468	2.55	184	-	5.24
-5	561	2.90	194	-	6.32
0	668	3.32	201	-	7.58
5	791	3.86	205	-	9.06
10	930	4.59	203	-	10.77

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	276	1.53	181	-	3.36
-15	337	1.76	191	-	4.13
-10	408	1.99	205	-	5.02
-5	491	2.24	219	-	6.08
0	587	2.51	233	-	7.33
5	697	2.84	246	-	8.79
10	822	3.23	254	-	10.49

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

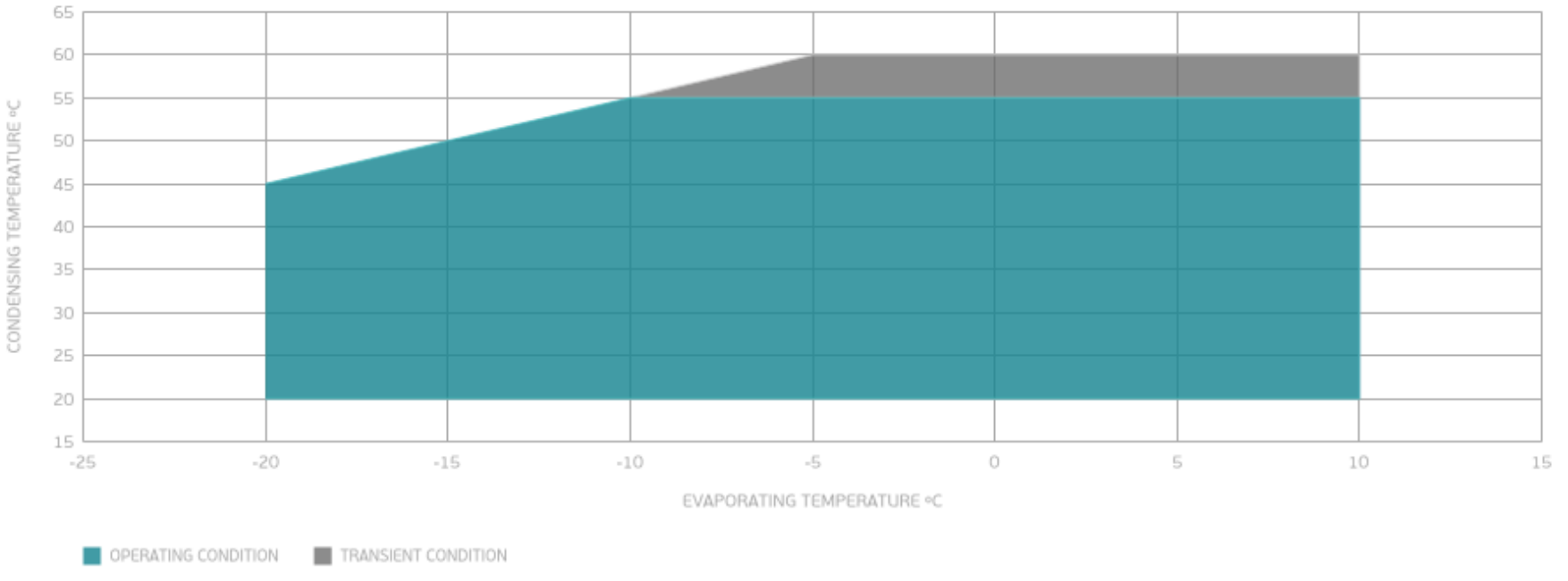
PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	350	1.60	219	-	4.80
-5	421	1.78	236	-	5.83
0	505	1.98	255	-	7.05
5	601	2.20	273	-	8.49
10	713	2.45	291	-	10.18

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

ENVELOPE



EXTERNAL DIMENSIONS

