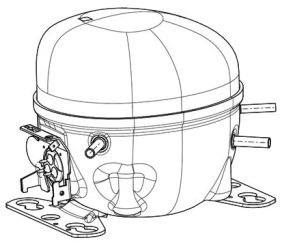
COMPRESSOR TECHNICAL DATA

EMT6152GK



ENGINEERING CODE
912FA67

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
406 W

EFFICIENCY
1.77 W/W

DATA

GENERAL DATA

Model	EMT6152GK
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	ITALY

ELECTRICAL DATA

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

MECHANICAL DATA

Displacement	4.5 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	T0827/G6

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	YES

Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42°	COPPER
Discharge	4.86 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	EN12900
Tested Cooling	Fan
Tested Voltage	220 V
Tested Frequency	50 Hz
Max Refrigerant Charge	250 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	406	1.77	229	-	12.2

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

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	323	1.83	177	-	8.37
-15	398	2.08	191	-	10.42
-10	487	2.35	207	-	12.83
-5	589	2.65	222	-	15.69
0	706	3.01	235	-	19.05
5	840	3.45	244	-	23.00
10	990	4.02	246	-	27.60

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

PERFORMANCE CURVE

Condensing Temperature 45ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-20	267	1.37	194	-	7.86
-15	331	1.58	210	-	9.85
-10	406	1.77	229	-	12.20
-5	493	1.97	250	-	14.98
0	592	2.19	271	-	18.26
5	704	2.44	289	-	22.11
10	831	2.73	304	-	26.61

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

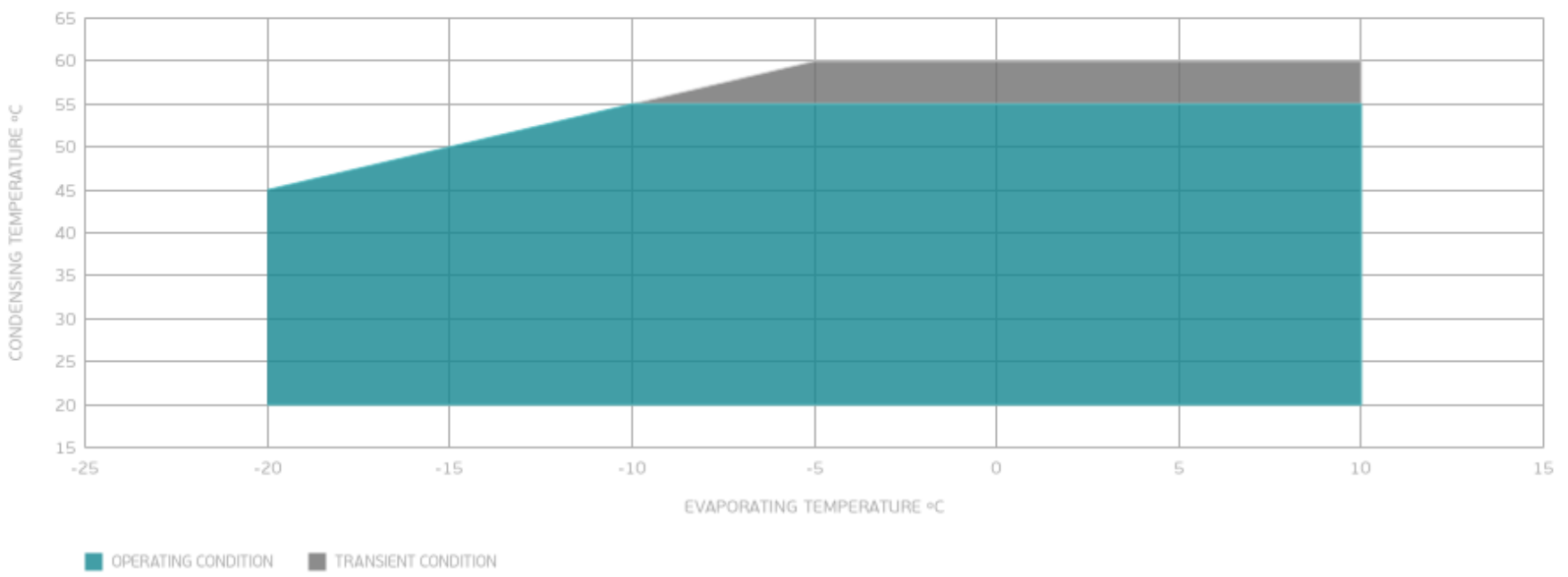
PERFORMANCE CURVE

Condensing Temperature 55ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-10	322	1.34	241	-	11.41
-5	392	1.48	265	-	14.10
0	472	1.62	291	-	17.28
5	563	1.78	317	-	21.03
10	665	1.95	341	-	25.41

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

ENVELOPE



EXTERNAL DIMENSIONS