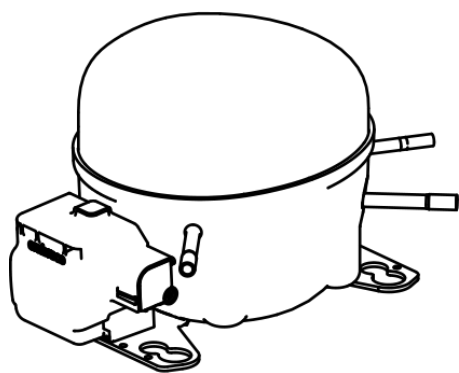


EMT6144GK



ENGINEERING CODE
912EA67



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
MBP



MOTOR TYPE
CSIR



STANDARD
AHRI



COOLING CAPACITY
425 W



EFFICIENCY
2.05 W/W

DATA

GENERAL DATA

Model	EMT6144GK
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	7.7 A

MECHANICAL DATA

Displacement	3.97 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
Starting Device Description	MTRP-0015*
Overload Protection	T0043/G6

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
Tray Holder	YES

Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42°	COPPER
Discharge	4.94 mm	STRAIGHT	COPPER
Process	6.1 mm	SLANTED 42°	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	MBP
Tested Standard	AHRI
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
43.3	-6.7	425	2.05	208	-	12.72

Test Condition: Subcooling 0 K, Return Gas 18.3 °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	287	1.87	153	-	7.51
-15	355	2.14	165	-	9.39
-10	434	2.43	179	-	11.57
-5	525	2.74	191	-	14.15
0	630	3.12	202	-	17.19
5	749	3.59	208	-	20.77
10	883	4.22	209	-	24.96

Test Condition: Subcooling 0 K, Return Gas 18.3 °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	235	1.39	170	-	7.03
-15	294	1.60	183	-	8.85
-10	361	1.81	200	-	10.99
-5	439	2.02	217	-	13.52
0	528	2.26	234	-	16.51
5	629	2.54	248	-	20.03
10	743	2.88	258	-	24.17

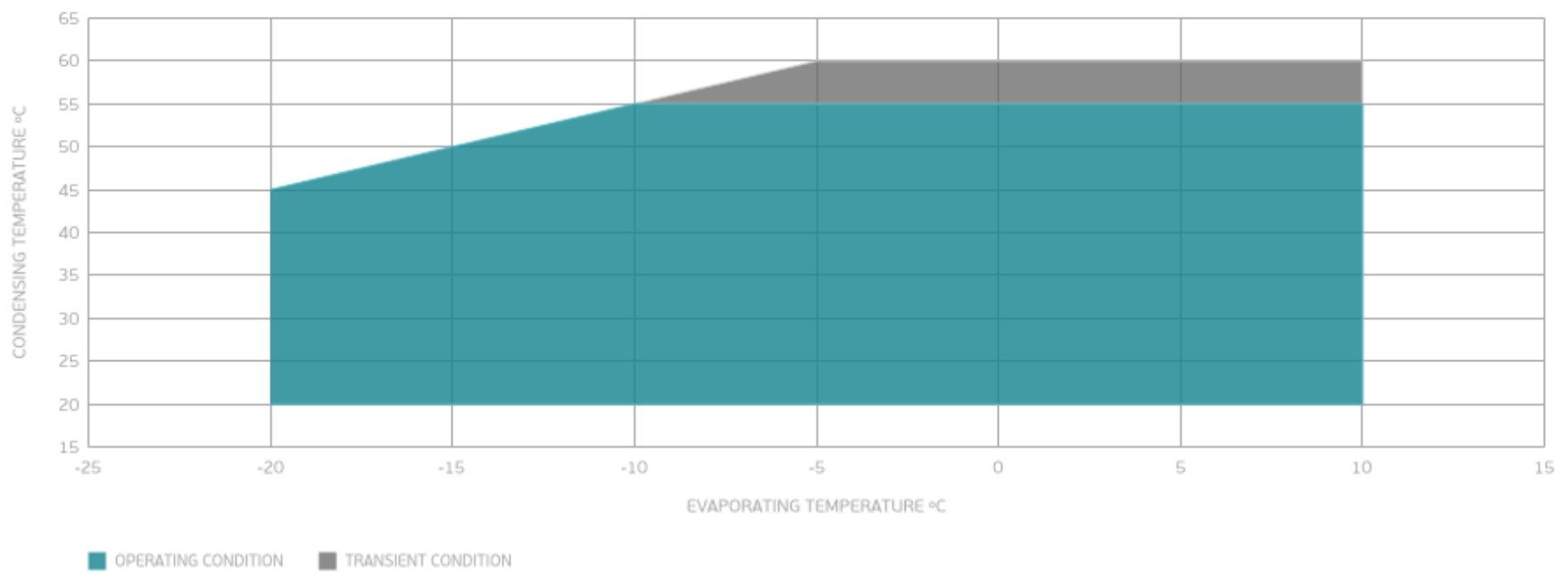
Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.

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	287	1.37	209	-	10.32
-5	350	1.53	230	-	12.79
0	422	1.68	251	-	15.71
5	504	1.86	271	-	19.17
10	597	2.06	289	-	23.23

Test Condition: Subcooling 0 K, Return Gas 18.3 °C. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

