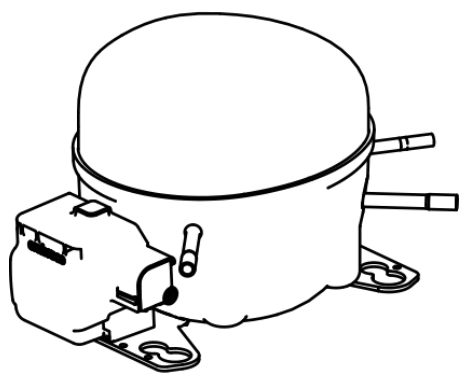


EMT6165GK



ENGINEERING CODE
513306212

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
MBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
465 W

EFFICIENCY
1.69 W/W



DATA

GENERAL DATA

Model	EMT6165GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	MBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3
Starting Torque	HST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	18.8 Ω at 25°C
Run Winding Resistance	10.9 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	10.4 A
Rated Load Amperage (LMBP) at 50 Hz	2.6 A
Rated Load Amperage (HBP) at 50 Hz	2.8 A

MECHANICAL DATA

Displacement	5.19 cm ³
Oil Charge	180 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	53-64 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Starting Device Description	MTRP-38* QL2-4.8 ***
Overload Protection	DRB190N61AXF

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-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	465	1.69	276	-	13.97

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	372	1.73	215	-	9.63
-15	460	1.99	231	-	12.03
-10	562	2.24	251	-	14.82
-5	679	2.51	271	-	18.08
0	813	2.82	288	-	21.92
5	965	3.21	301	-	26.43
10	1137	3.72	306	-	31.70

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	302	1.28	236	-	8.90
-15	378	1.49	253	-	11.24
-10	465	1.69	276	-	13.97
-5	565	1.88	301	-	17.17
0	680	2.08	327	-	20.95
5	809	2.30	351	-	25.39
10	956	2.58	371	-	30.60

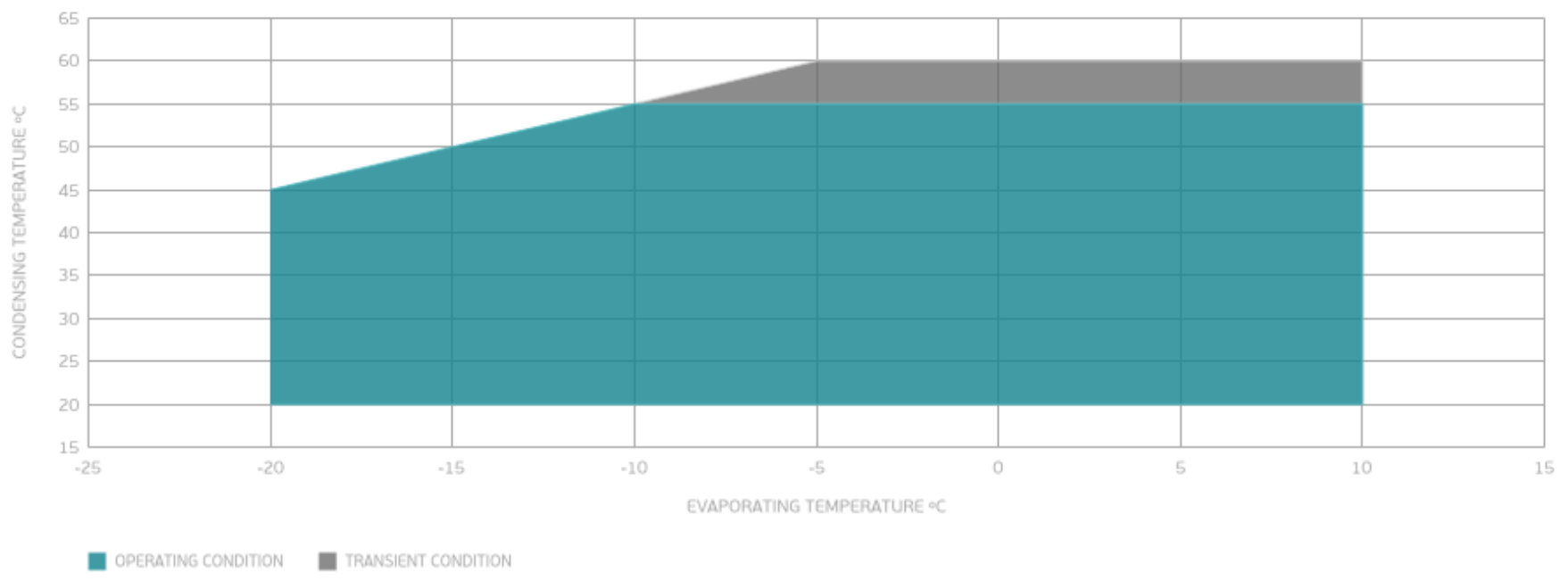
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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	367	1.28	287	-	12.99
-5	448	1.43	315	-	16.12
0	541	1.57	346	-	19.81
5	647	1.71	378	-	24.18
10	767	1.88	408	-	29.31

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

ENVELOPE



EXTERNAL DIMENSIONS

