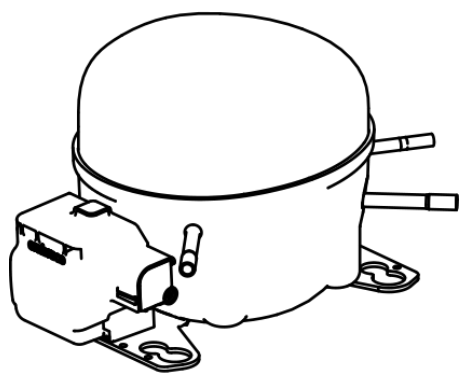


EMT2117GK



ENGINEERING CODE
513306216

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
EN12900

COOLING CAPACITY
136 W

EFFICIENCY
1.05 W/W



DATA

GENERAL DATA

Model	EMT2117GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Static/220
HP	1/4
Starting Torque	HST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	21.1 Ω at 25°C
Run Winding Resistance	14.4 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	7.7 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
Starting Device Description	MTRP-0015* QL2-3.76 ***
Overload Protection	T0040/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-404A
Tested Application	LBP
Tested Standard	EN12900
Tested Cooling	Static
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
40	-35	136	1.05	129	-	3.69

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
-40	115	1.03	112	-	2.93
-35	150	1.19	126	-	3.83
-30	194	1.37	141	-	4.97
-25	247	1.58	156	-	6.37
-20	312	1.82	171	-	8.08
-15	388	2.09	186	-	10.13
-10	476	2.40	199	-	12.56

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
-40	90	0.78	115	-	2.59
-35	121	0.92	131	-	3.50
-30	159	1.06	149	-	4.61
-25	204	1.21	168	-	5.97
-20	258	1.38	187	-	7.61
-15	321	1.56	207	-	9.55
-10	395	1.75	225	-	11.85

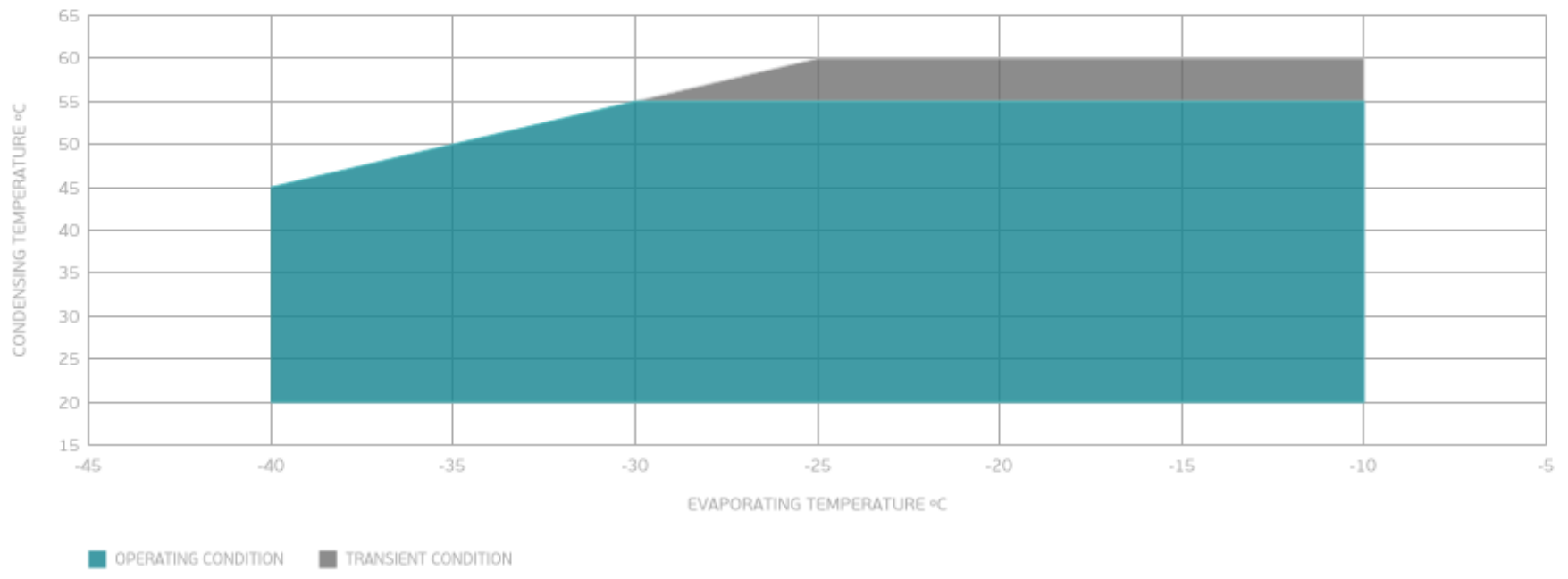
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

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
-30	118	0.79	150	-	4.02
-25	156	0.90	173	-	5.35
-20	200	1.02	197	-	6.92
-15	251	1.14	221	-	8.78
-10	310	1.27	245	-	10.97

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

ENVELOPE



EXTERNAL DIMENSIONS

