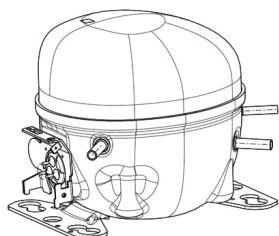


EMT2125GK



**ENGINEERING CODE**  
513306217

**REFRIGERANT**  
R-404A

**POWER SUPPLY**  
220-240 V 50 Hz

**APPLICATION**  
LBP

**MOTOR TYPE**  
CSIR

**STANDARD**  
EN12900

**COOLING CAPACITY**  
197 W

**EFFICIENCY**  
1.11 W/W



DATA

GENERAL DATA

Model	EMT2125GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/3+
Starting Torque	HST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	19.15 Ω at 25°C
Run Winding Resistance	11.3 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	9.8 A
Rated Load Amperage (LMBP) at 50 Hz	2.5 A
Rated Load Amperage (HBP) at 50 Hz	2.6 A

## MECHANICAL DATA

Displacement	5.96 cm <sup>3</sup>
Oil Charge	180 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	7.8 Kg

## ELECTRICAL COMPONENTS

Start Capacitor	64-77 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	T0571/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	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
40	-35	197	1.11	178	-	5.35

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	167	1.08	154	-	4.25
-35	216	1.25	173	-	5.52
-30	276	1.42	194	-	7.08
-25	349	1.61	216	-	8.99
-20	434	1.82	238	-	11.26
-15	534	2.05	260	-	13.94
-10	647	2.31	280	-	17.06

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	136	0.86	159	-	3.92
-35	178	0.99	180	-	5.15
-30	229	1.12	204	-	6.67
-25	291	1.26	231	-	8.51
-20	363	1.41	258	-	10.70
-15	447	1.56	287	-	13.29
-10	543	1.72	315	-	16.31

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

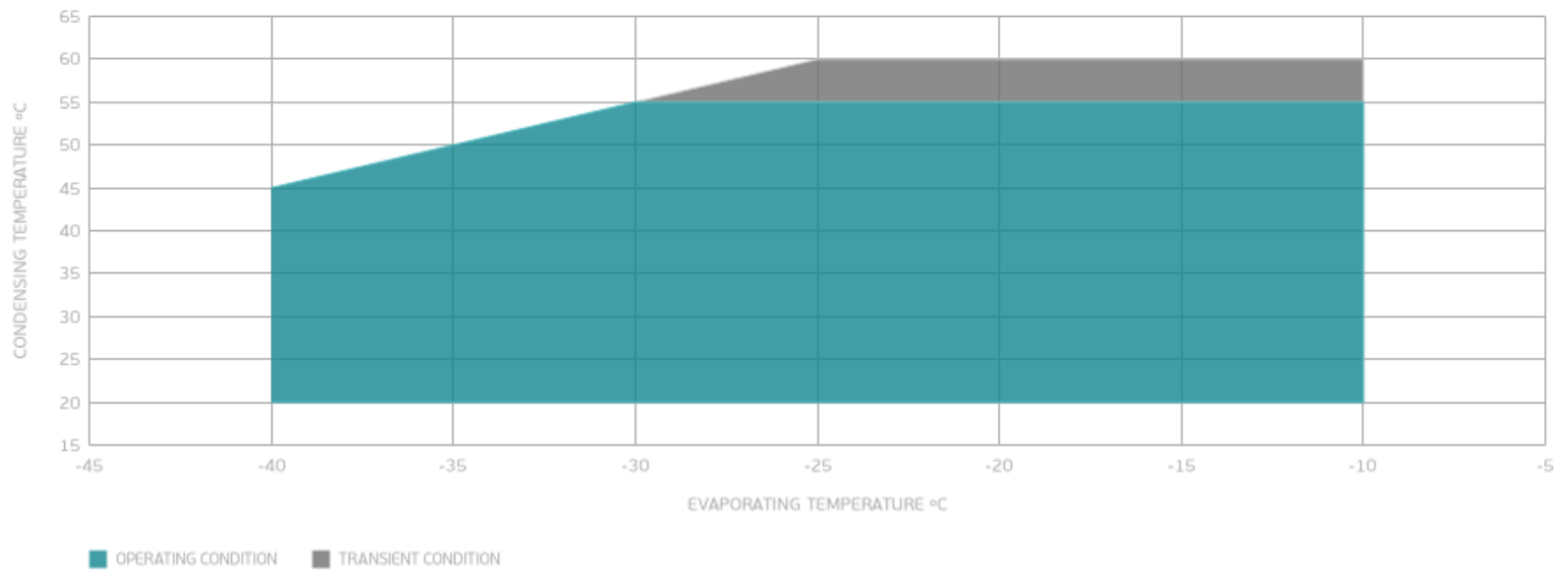
## PERFORMANCE CURVE

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-30	179	0.86	207	-	6.10
-25	229	0.97	237	-	7.87
-20	288	1.07	270	-	9.99
-15	356	1.17	304	-	12.49
-10	435	1.28	340	-	15.40

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

## ENVELOPE



## EXTERNAL DIMENSIONS

