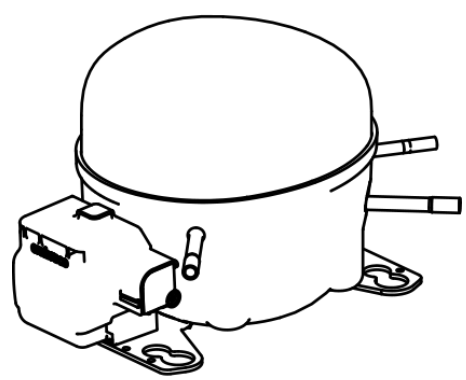


EMT2125GK



ENGINEERING CODE
513306245



REFRIGERANT
R-404A



POWER SUPPLY
220-240 V 50 Hz



APPLICATION
LBP



MOTOR TYPE
CSIR



STANDARD
CECOMAF



COOLING CAPACITY
241 W



EFFICIENCY
1.01 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

MECHANICAL DATA

Displacement	5.96 cm³
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
Starting Device Description	MTRP-36* QL2-4.35 ***
Overload Protection	DRB180L61AXF

EXTERNAL CHARACTERISTICS

Base Plate	SMALL EUEM
Tray Holder	NO

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 mm	SLANTED 43° UP + 45° TO BACK	COPPER(OD)

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-404A
Tested Application	LBP
Tested Standard	CECOMAF
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
55	-25	241	1.01	238	-	7.51
Test Condition: Subcooling 0 K, Return Gas 32 °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	172	1.12	154	-	4.07
-35	222	1.28	174	-	5.28
-30	284	1.46	195	-	6.77
-25	359	1.66	217	-	8.58
-20	447	1.87	239	-	10.73
-15	548	2.10	261	-	13.26
-10	664	2.36	281	-	16.19
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

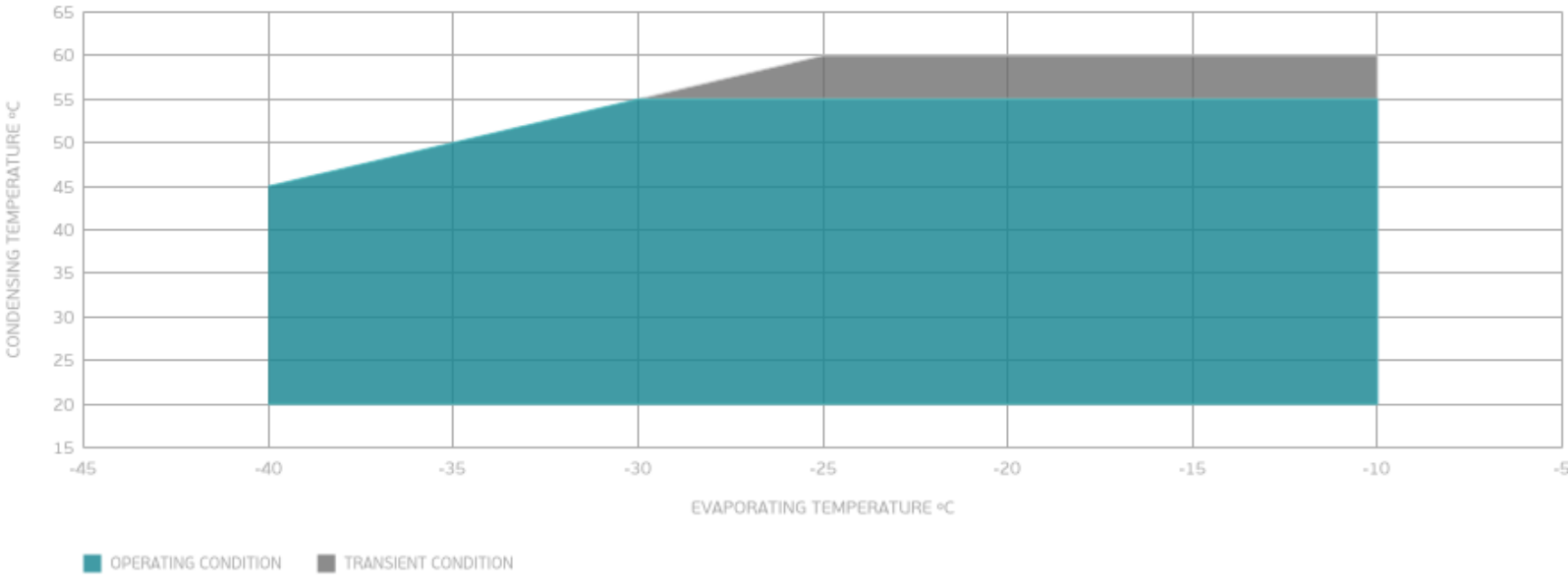
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-40	141	0.89	159	-	3.75
-35	185	1.02	180	-	4.93
-30	238	1.16	205	-	6.37
-25	302	1.30	231	-	8.12
-20	377	1.45	259	-	10.20
-15	464	1.61	288	-	12.64
-10	564	1.78	317	-	15.48
Test Condition: Subcooling 0 K, Return Gas 32 °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	188	0.91	207	-	5.83
-25	241	1.01	238	-	7.51
-20	303	1.12	271	-	9.52
-15	375	1.23	306	-	11.88
-10	458	1.34	342	-	14.62
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

