

EMT2130GK



ENGINEERING CODE
513306211

REFRIGERANT
R-404A

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
CSIR

STANDARD
ASHRAE

COOLING CAPACITY
380 W

EFFICIENCY
1.3 W/W



DATA

GENERAL DATA

Model	EMT2130GK
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube or Expansion Valve
Compressor Cooling	Fan/220
HP	1/2-
Starting Torque	HST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	16.95 Ω at 25°C
Run Winding Resistance	10.1 Ω at 25°C

MECHANICAL DATA

Displacement	6.76 cm ³
Oil Charge	180 ml
Oil Type	ESTER
Oil Viscosity	ISO22
Weight	8 Kg

ELECTRICAL COMPONENTS

Start Capacitor	72-88 µf/330 V
CSR CSIR BOX	No
Starting Device Type	RELAY
Overload Protection	DRB200L52AXF

EXTERNAL CHARACTERISTICS

Base Plate	SMALL EUEM
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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	ASHRAE
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
54.4	-23.3	380	1.3	292	1.82	8.78

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	194	1.08	179	1.50	4.44
-35	251	1.24	202	1.55	5.78
-30	321	1.42	227	1.62	7.41
-25	405	1.60	253	1.71	9.38
-20	502	1.79	281	1.80	11.71
-15	615	2.00	308	1.90	14.41
-10	742	2.22	334	2.00	17.52

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	177	0.96	185	1.50	4.05
-35	232	1.10	210	1.56	5.32
-30	299	1.25	238	1.64	6.89
-25	380	1.40	270	1.74	8.78
-20	474	1.55	305	1.86	11.02
-15	583	1.71	341	1.98	13.64
-10	707	1.87	378	2.11	16.66

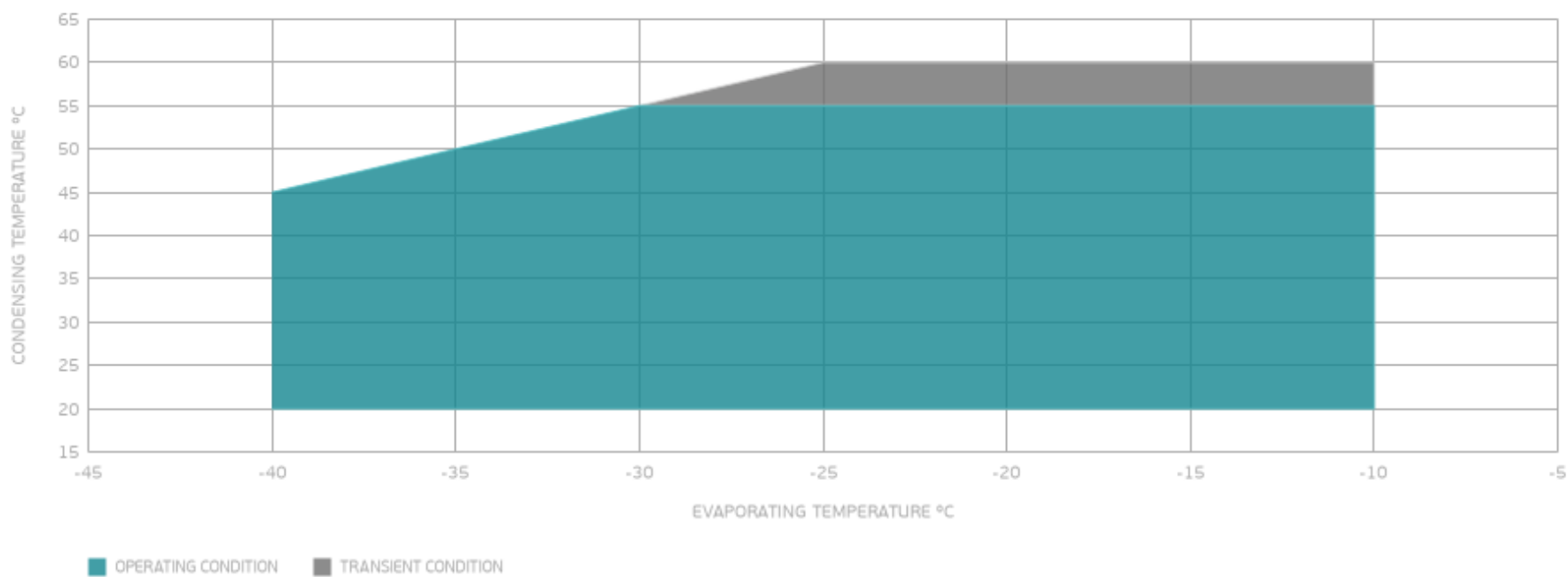
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	271	1.12	243	1.66	6.23
-25	348	1.25	279	1.78	8.04
-20	439	1.38	319	1.92	10.19
-15	544	1.50	363	2.08	12.71
-10	665	1.62	410	2.25	15.63

Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS

