

EMX46CLC



ENGINEERING CODE
513309534

REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
RSCR

STANDARD
CECOMAF

COOLING CAPACITY
105 W

EFFICIENCY
1.32 W/W



DATA

GENERAL DATA

Model	EMX46CLC
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	17.8 Ω at 25°C
Run Winding Resistance	25.0 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	3.7 A
Rated Load Amperage (LMBP) at 50 Hz	0.6 A

MECHANICAL DATA

Displacement	7.96 cm ³
Oil Charge	180 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	7.9 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Overload Protection	4TM189KFBYY-73

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	5.1 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-600a
Tested Application	LBP
Tested Standard	CECOMAF
Tested Cooling	Static
Tested Voltage	220 V
Tested Frequency	50 Hz
Max Refrigerant Charge	150 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	105	1.32	79	0.37	1.37

Test Condition: Subcooling 0 K, Return Gas 32 °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
-35	68	1.19	57	0.27	0.81
-30	92	1.40	66	0.32	1.09
-25	121	1.61	75	0.36	1.44
-20	156	1.84	85	0.41	1.86
-15	198	2.09	95	0.45	2.36
-10	246	2.36	105	0.49	2.95

Test Condition: Subcooling 0 K, Return Gas 32 °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	79	1.15	68	0.32	1.02
-25	105	1.32	79	0.37	1.37
-20	137	1.50	91	0.42	1.78
-15	174	1.69	103	0.47	2.28
-10	218	1.88	115	0.53	2.85

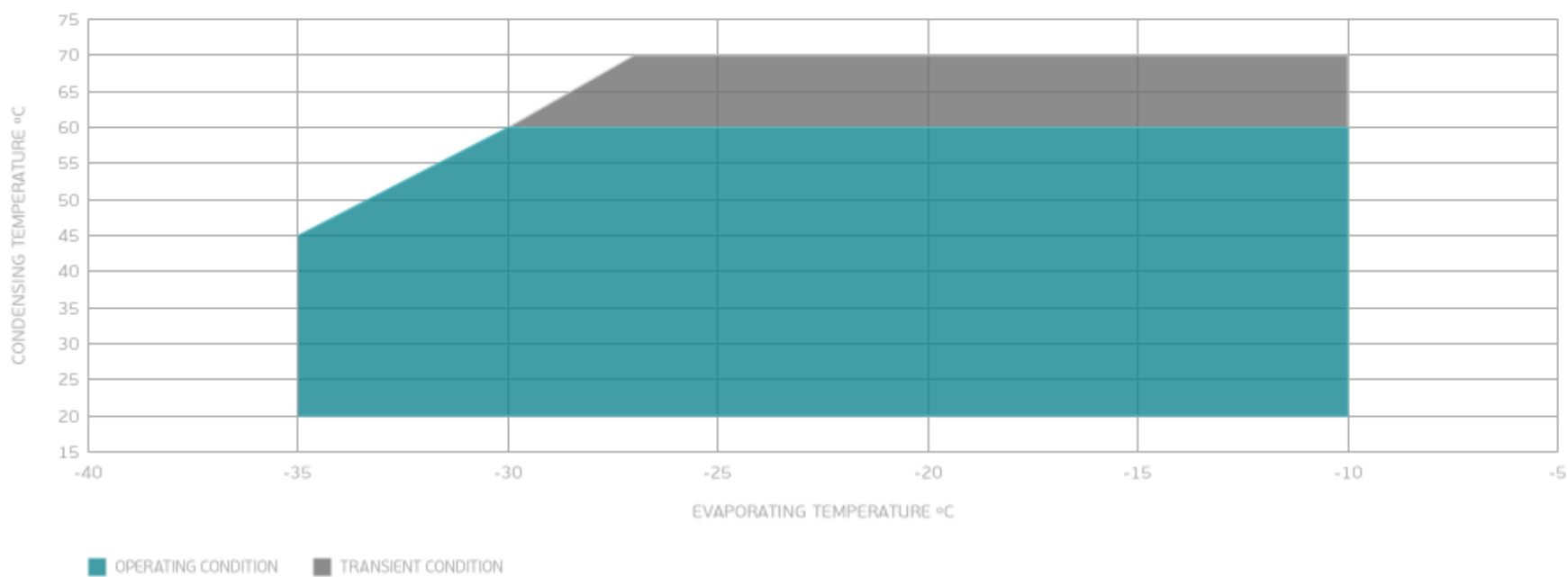
Test Condition: Subcooling 0 K, Return Gas 32 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE**Condensing Temperature 65°C**

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	88	1.10	80	0.38	1.27
-20	116	1.24	94	0.44	1.68
-15	149	1.38	108	0.50	2.17
-10	188	1.53	123	0.57	2.74

Test Condition: Subcooling 0 K, Return Gas 32 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

ENVELOPE



EXTERNAL DIMENSIONS

