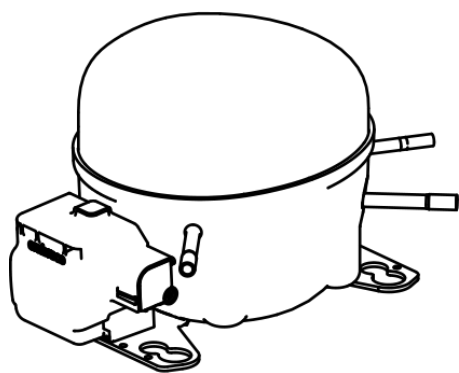


EMT23CLP



ENGINEERING CODE
513306001

REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
RSIR

STANDARD
ASHRAE

COOLING CAPACITY
75 W

EFFICIENCY
1.24 W/W

DATA

GENERAL DATA

Model	EMT23CLP
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	31.4 Ω at 25°C
Run Winding Resistance	45.5 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	2.6 A
Rated Load Amperage (LMBP) at 50 Hz	0.5 A

MECHANICAL DATA

Displacement	4.5 cm ³
Oil Charge	180 ml
Oil Type	MINERAL
Oil Viscosity	ISO7
Weight	7.2 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	V230
Overload Protection	T0223/07

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	4.9 mm	SLANTED 90° UP + 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	ASHRAE
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
54.4	-23.3	75	1.24	61	0.41	0.81

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
-35	43	0.98	44	0.38	0.46
-30	59	1.18	50	0.39	0.63
-25	77	1.39	55	0.40	0.82
-20	97	1.61	61	0.41	1.05
-15	122	1.85	66	0.43	1.31
-10	150	2.13	70	0.45	1.62

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	51	0.99	51	0.39	0.55
-25	68	1.17	58	0.40	0.73
-20	89	1.36	65	0.42	0.95
-15	113	1.58	72	0.44	1.22
-10	142	1.82	78	0.46	1.54

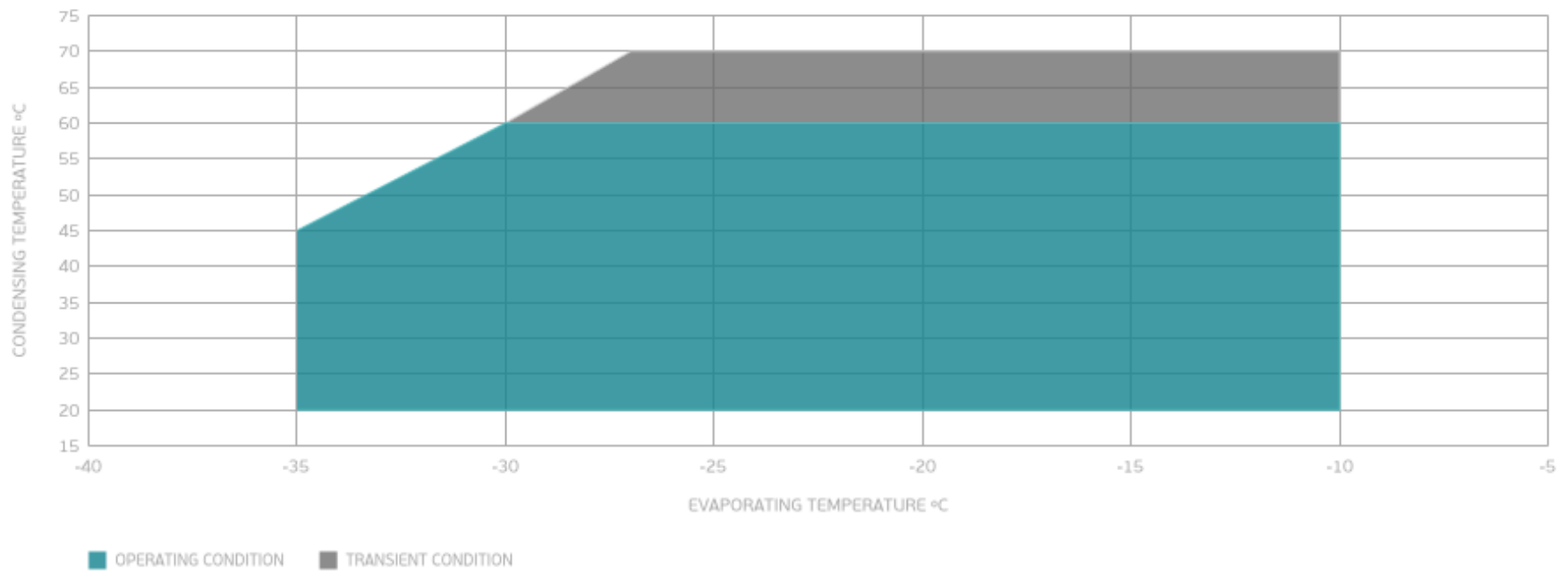
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

PERFORMANCE CURVE**Condensing Temperature 65°C**

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	60	1.04	58	0.40	0.65
-20	80	1.20	66	0.42	0.86
-15	104	1.39	75	0.45	1.12
-10	133	1.61	83	0.48	1.44

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

