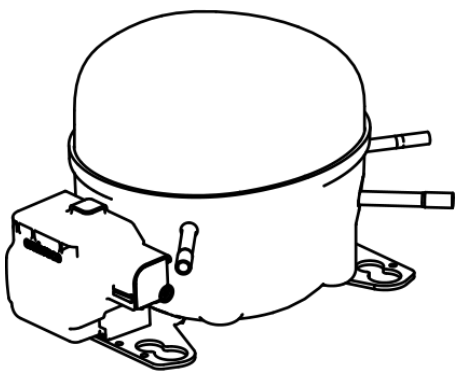
COMPRESSOR TECHNICAL DATA

EMT56CLP



ENGINEERING CODE
513306037

REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
RSCR

STANDARD
ASHRAE

COOLING CAPACITY
167 W

EFFICIENCY
1.47 W/W

DATA

GENERAL DATA

Model	EMT56CLP
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/6
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	26.9 Ω at 25°C
Run Winding Resistance	17.5 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	5.9 A
Rated Load Amperage (LMBP) at 50 Hz	2.2 A

MECHANICAL DATA

Displacement	9.34 cm^3
Oil Charge	180 ml
Oil Type	MINERAL
Oil Viscosity	ISO7
Weight	7.7 Kg

ELECTRICAL COMPONENTS

Run Capacitor	2.5 µf/300 V
CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	V230

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Static
Tested Voltage	220 V
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	167	1.47	113	0.71	1.79

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

PERFORMANCE CURVE

Condensing Temperature 35ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	100	1.30	77	0.61	1.08
-30	134	1.52	88	0.64	1.43
-25	174	1.75	100	0.67	1.87
-20	221	1.99	111	0.71	2.38
-15	277	2.27	122	0.74	2.98
-10	341	2.60	131	0.78	3.68

Test Condition: Liquid 32.2 ºC, Return Gas 32.2 ºC. 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	92	1.14	80	0.60	0.98
-30	124	1.34	92	0.64	1.33
-25	163	1.55	105	0.68	1.75
-20	210	1.75	120	0.72	2.26
-15	265	1.98	134	0.77	2.85
-10	329	2.22	148	0.83	3.55

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	114	1.21	94	0.65	1.22
-25	151	1.40	108	0.70	1.63
-20	197	1.58	124	0.75	2.12
-15	251	1.77	142	0.81	2.71
-10	314	1.97	159	0.87	3.39

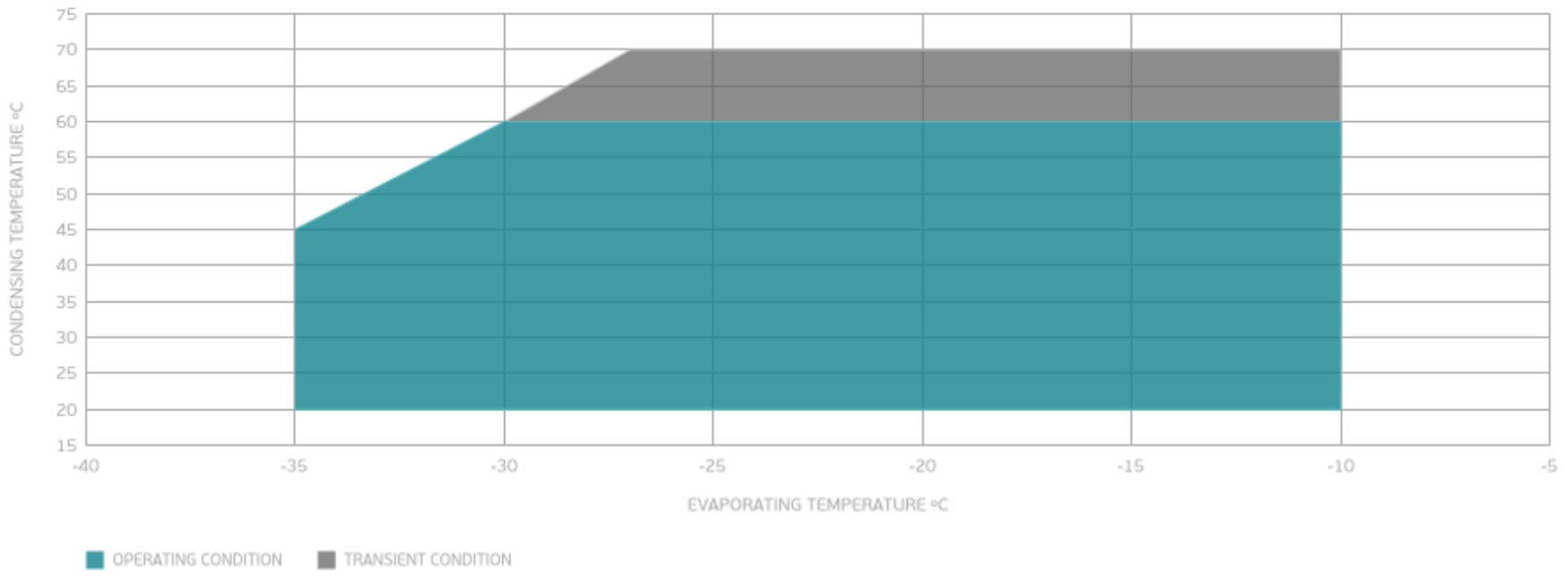
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.

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	140	1.28	109	0.71	1.51
-20	184	1.45	126	0.76	1.98
-15	236	1.62	145	0.83	2.55
-10	298	1.80	166	0.90	3.22

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

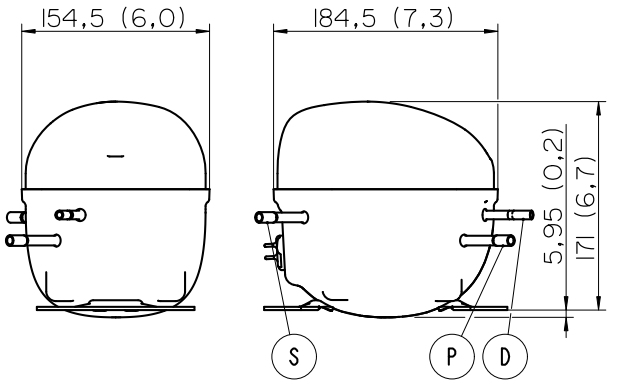
EXTERNAL CHARACTERISTICS

Base Plate	SMALL EUEM
Tray Holder	YES

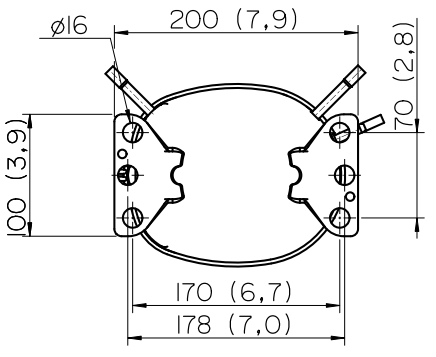
Connector	Internal Diameter	Shape	Material
Suction	6.1 mm	SLANTED 42º UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED PARALLET BP+24°TO BACK	COPPER
Process	6.1 mm	SLANTED 45° UP + 45° TO BACK	COPPER

EXTERNAL DIMENSIONS

SHELL



BASE



FENCE