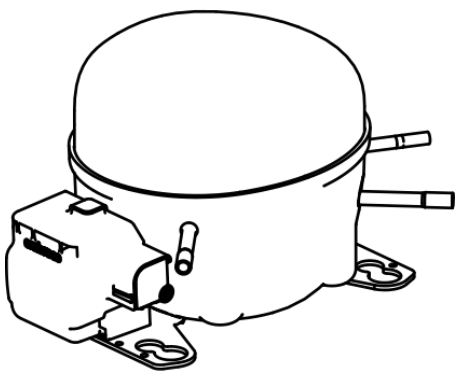
COMPRESSOR TECHNICAL DATA

EMT56CLP



ENGINEERING CODE
513306037

REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
RSCR

STANDARD
EN12900

COOLING CAPACITY
88 W

EFFICIENCY
1.11 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

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

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

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	LBP
Tested Standard	EN12900
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
40	-35	88	1.11	79	-	1.07

Test Condition: Subcooling 0 K, Return Gas 20 °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
-35	96	1.24	77	-	1.12
-30	128	1.45	88	-	1.50
-25	166	1.67	100	-	1.95
-20	212	1.91	111	-	2.49
-15	266	2.18	122	-	3.12
-10	327	2.50	131	-	3.85

Test Condition: Subcooling 0 K, Return Gas 20 °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
-35	81	1.00	81	-	1.03
-30	109	1.18	92	-	1.39
-25	143	1.36	105	-	1.83
-20	184	1.54	120	-	2.36
-15	233	1.74	134	-	2.98
-10	289	1.95	148	-	3.71

Test Condition: Subcooling 0 K, Return Gas 20 °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	91	0.97	94	-	1.27
-25	121	1.12	108	-	1.70
-20	157	1.26	124	-	2.21
-15	200	1.41	142	-	2.83
-10	250	1.57	159	-	3.55

Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

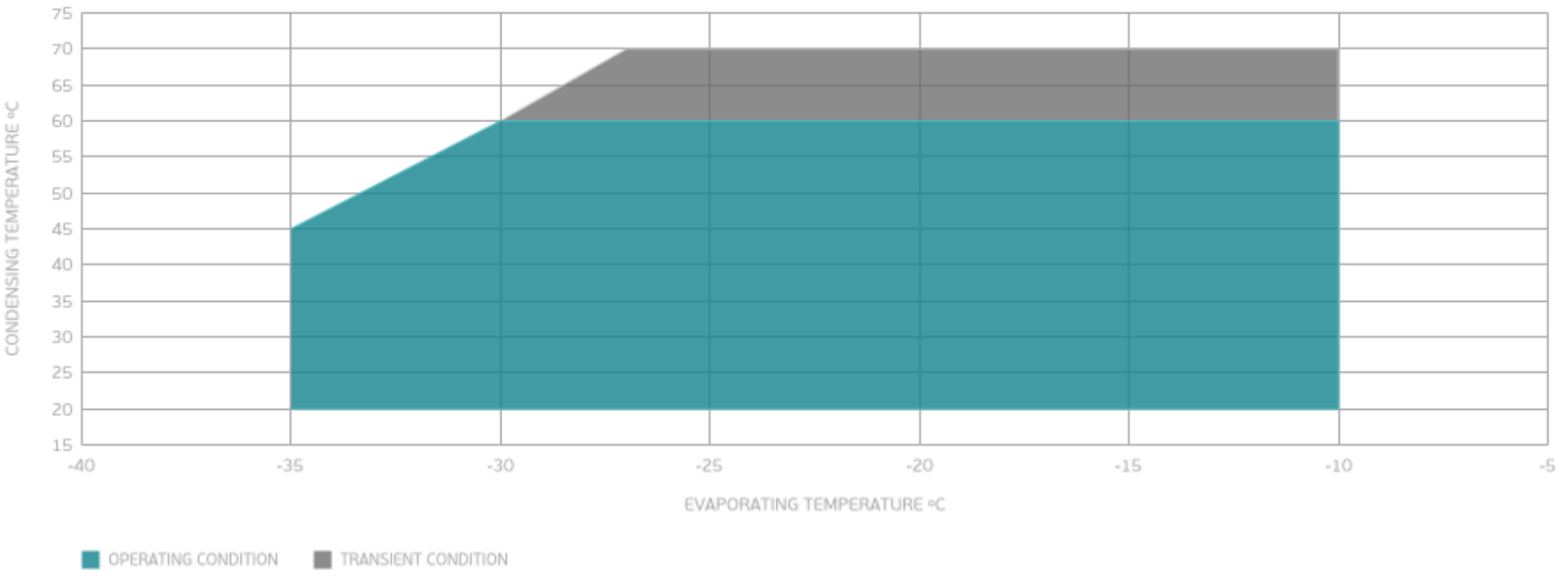
PERFORMANCE CURVE

Condensing Temperature 65ºC

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	100	0.92	109	-	1.57
-20	131	1.04	126	-	2.06
-15	168	1.16	145	-	2.66
-10	212	1.28	166	-	3.37

Test Condition: Subcooling 0 K, Return Gas 20 ºC. Data are an indication of performance based simulation.

ENVELOPE



EXTERNAL DIMENSIONS

