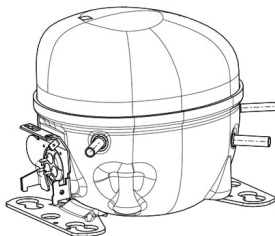


EMX20CLC



ENGINEERING CODE
513309535



REFRIGERANT
R-600a



POWER SUPPLY
115-127 V 60 Hz



APPLICATION
LBP



MOTOR TYPE
RSCR



STANDARD
EN12900



COOLING CAPACITY
40 W



EFFICIENCY
1.13 W/W

DATA

GENERAL DATA

Model	EMX20CLC
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/127
HP	1/12
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	6.7 Ω at 25°C
Run Winding Resistance	12.65 Ω at 25°C
Locked Rotor Amperage (LRA) 60Hz	3.7 A
Rated Load Amperage (LMBP) at 60 Hz	0.6 A

MECHANICAL DATA

Displacement	3.97 cm³
Oil Charge	180 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	7.9 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Overload Protection	4TM142RFBYY-73

EXTERNAL CHARACTERISTICS

Base Plate	RC EUEM
Tray Holder	YES

Connector	Internal Diameter	Shape	Material
Suction	6.5 mm	SLANTED 42° UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED PARALLET BP+24°TO BACK	COPPER
Process	6.5 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	127 V
Tested Frequency	60 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	40	1.13	36	-	0.49
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	43	1.22	35	-	0.50
-30	56	1.44	39	-	0.66
-25	74	1.70	43	-	0.86
-20	96	2.00	48	-	1.12
-15	123	2.35	52	-	1.44
-10	156	2.77	56	-	1.84
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

PERFORMANCE CURVE

Condensing Temperature 45°C

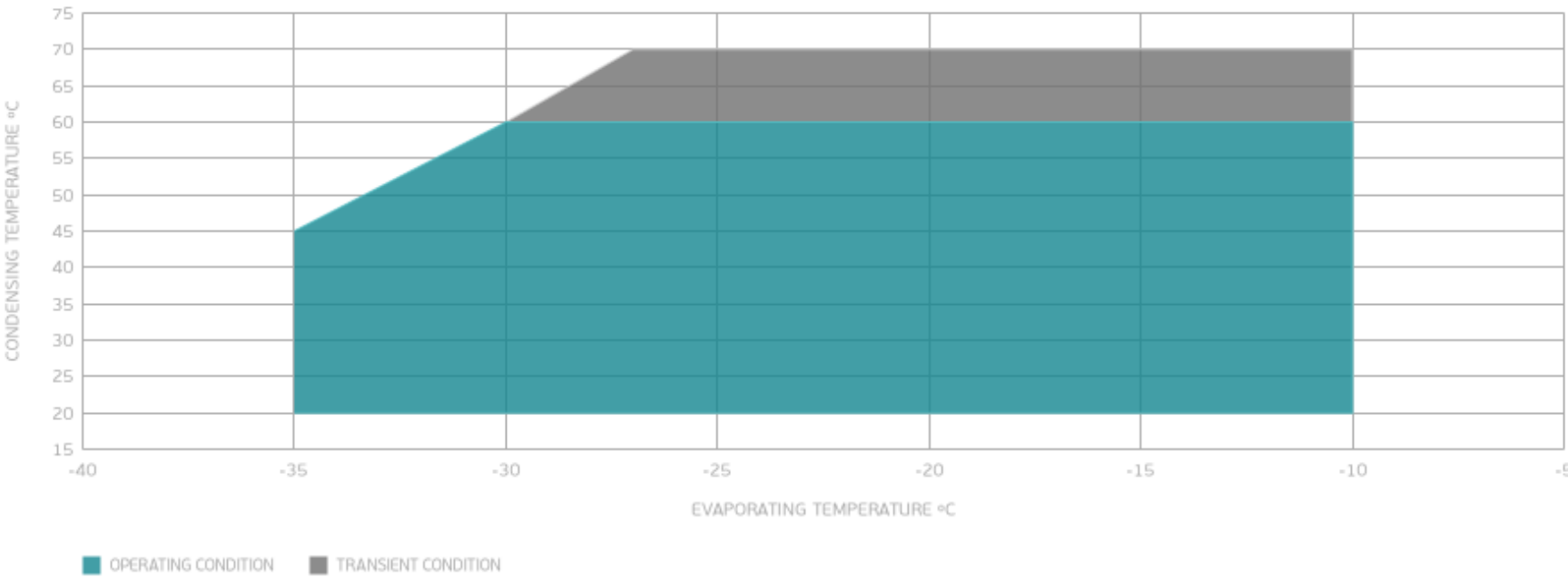
Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	37	1.03	36	-	0.47
-30	49	1.22	40	-	0.63
-25	65	1.43	45	-	0.83
-20	84	1.66	51	-	1.08
-15	109	1.91	57	-	1.39
-10	138	2.19	63	-	1.77
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are 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	40	1.00	40	-	0.56
-25	54	1.19	46	-	0.76
-20	72	1.37	52	-	1.01
-15	93	1.56	60	-	1.31
-10	119	1.76	67	-	1.68
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.					

ENVELOPE



EXTERNAL DIMENSIONS

