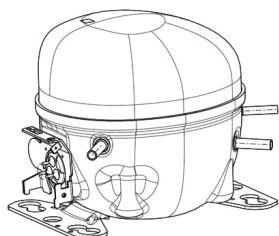


EMX80CLT



ENGINEERING CODE
513300512

REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

APPLICATION
LBP

MOTOR TYPE
RSCR

STANDARD
EN12900

COOLING CAPACITY
32 W

EFFICIENCY
0.42 W/W



DATA

GENERAL DATA

Model	EMX80CLT
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/3
Starting Torque	LST
Plant	CHINA

ELECTRICAL DATA

Start Winding Resistance	null
Run Winding Resistance	null

MECHANICAL DATA

Displacement	12.21 cm ³
Oil Charge	150 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	7.9 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Overload Protection	4TM232KFBYY-53 BT73-105A61D3

EXTERNAL CHARACTERISTICS

Base Plate	UNI
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Connector	Internal Diameter	Shape	Material
Suction	6.5 mm	SLANTED 40° UP + 45° TO BACK	COPPER
Discharge	4.94 mm	SLANTED 0° UP + 24° TO BACK	COPPER
Process	6.5 mm	SLANTED 40° 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	32	0.42	77	-	0.39

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	35	0.46	75	-	0.40
-30	46	0.52	88	-	0.54
-25	60	0.59	101	-	0.70
-20	77	0.67	115	-	0.90
-15	97	0.75	129	-	1.14
-10	120	0.85	141	-	1.41

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	29	0.38	78	-	0.38
-30	40	0.43	91	-	0.51
-25	52	0.49	107	-	0.67
-20	68	0.55	124	-	0.86
-15	86	0.61	141	-	1.10
-10	106	0.67	158	-	1.37

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	33	0.36	93	-	0.47
-25	44	0.41	109	-	0.63
-20	58	0.45	128	-	0.82
-15	74	0.50	148	-	1.04
-10	92	0.55	169	-	1.31

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

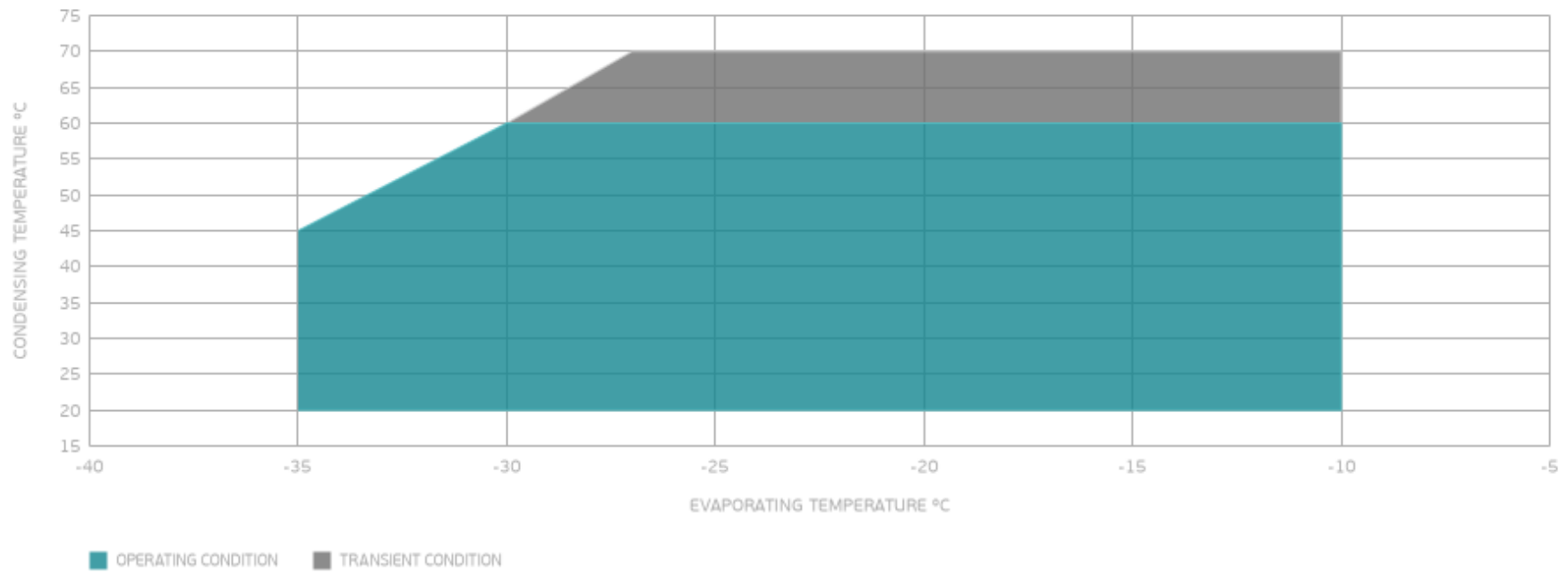
PERFORMANCE CURVE

Condensing Temperature 65°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	37	0.34	108	-	0.57
-20	48	0.38	128	-	0.76
-15	62	0.41	150	-	0.98
-10	78	0.45	174	-	1.24

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

ENVELOPE



EXTERNAL DIMENSIONS

