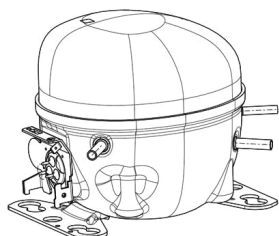


EMX80CLT



**ENGINEERING CODE**  
513300464

**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	1/7
Starting Torque	LST
Plant	CHINA

ELECTRICAL DATA

Start Winding Resistance	12.43 Ω at 25°C
Run Winding Resistance	13.27 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	6.6 A

## MECHANICAL DATA

Displacement	12.21 cm <sup>3</sup>
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	STRAIGHT	COPPER
Discharge	4.94 mm	STRAIGHT	COPPER
Process	6.5 mm	STRAIGHT	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

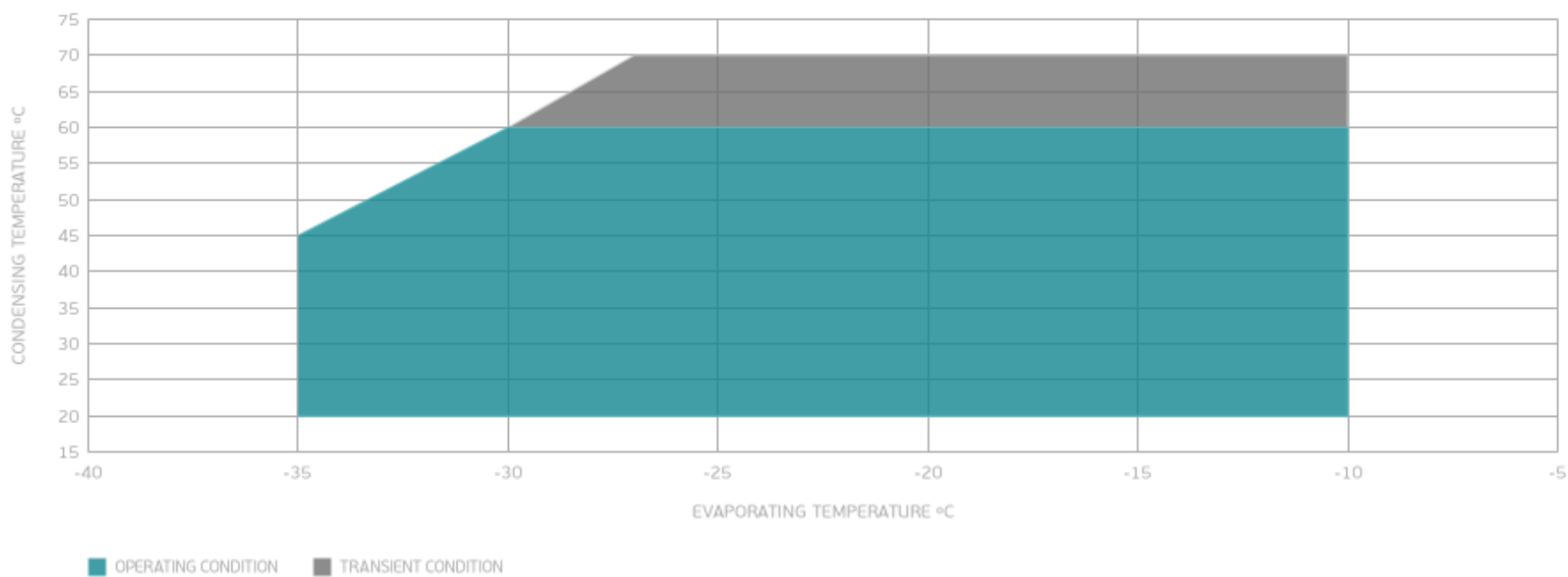
Test Condition: Subcooling 0 K, Return Gas 20 °C. Data are an indication of performance based simulation.

**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.

## ENVELOPE



## EXTERNAL DIMENSIONS

