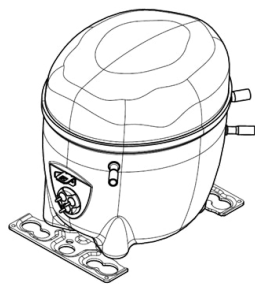



EGYS110CLC



 **ENGINEERING CODE**
513701371

 **REFRIGERANT**
R-600a

 **POWER SUPPLY**
220-240 V 50 Hz

 **APPLICATION**
LBP

 **MOTOR TYPE**
RSCR

 **STANDARD**
ASHRAE

 **COOLING CAPACITY**
261 W

 **EFFICIENCY**
1.79 W/W



DATA

GENERAL DATA

Model	EGYS110CLC
Type	Hermetic Reciprocating
Technology	ON/OFF
Compressor Application	LBP
Expansion Device	Capillary Tube
Compressor Cooling	Static/220
HP	1/3
Starting Torque	LST
Plant	BRAZIL

ELECTRICAL DATA

Start Winding Resistance	18.6 Ω at 25°C
Run Winding Resistance	13.27 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	8.4 A
Rated Load Amperage (LMBP) at 50 Hz	1.1 A
Rated Load Amperage (HBP) at 50 Hz	1.6 A

MECHANICAL DATA

Displacement	14.77 cm ³
Oil Charge	280 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	11 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Overload Protection	4TM283KFBYY-53 4TM283NFBYY-73

EXTERNAL CHARACTERISTICS

Base Plate	SMALL
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Connector	Internal Diameter	Shape	Material
Suction	6.5 mm	STRAIGHT	COPPER
Discharge	6.5 mm	STRAIGHT	COPPER
Process	6.5 mm	STRAIGHT	COPPER

PERFORMANCE

TESTED CONDITIONS

Tested Refrigerant	R-600a
Tested Application	LBP
Tested Standard	ASHRAE
Tested Cooling	Static
Tested Voltage	220 V
Tested Frequency	50 Hz
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	261	1.79	146	0.72	2.8

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 35°C**

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	156	1.71	91	0.47	1.68
-30	197	1.91	103	0.54	2.12
-25	251	2.14	117	0.59	2.70
-20	320	2.42	132	0.64	3.44
-15	407	2.75	148	0.70	4.38
-10	515	3.15	163	0.78	5.56

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 45°C**

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-35	155	1.53	101	0.50	1.66
-30	196	1.71	115	0.58	2.10
-25	249	1.90	131	0.65	2.67
-20	315	2.12	149	0.71	3.39
-15	399	2.37	168	0.78	4.30
-10	502	2.67	188	0.87	5.43

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	187	1.54	121	0.61	2.01
-25	239	1.72	139	0.69	2.57
-20	304	1.90	160	0.77	3.28
-15	385	2.11	183	0.86	4.16
-10	485	2.34	207	0.95	5.24

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

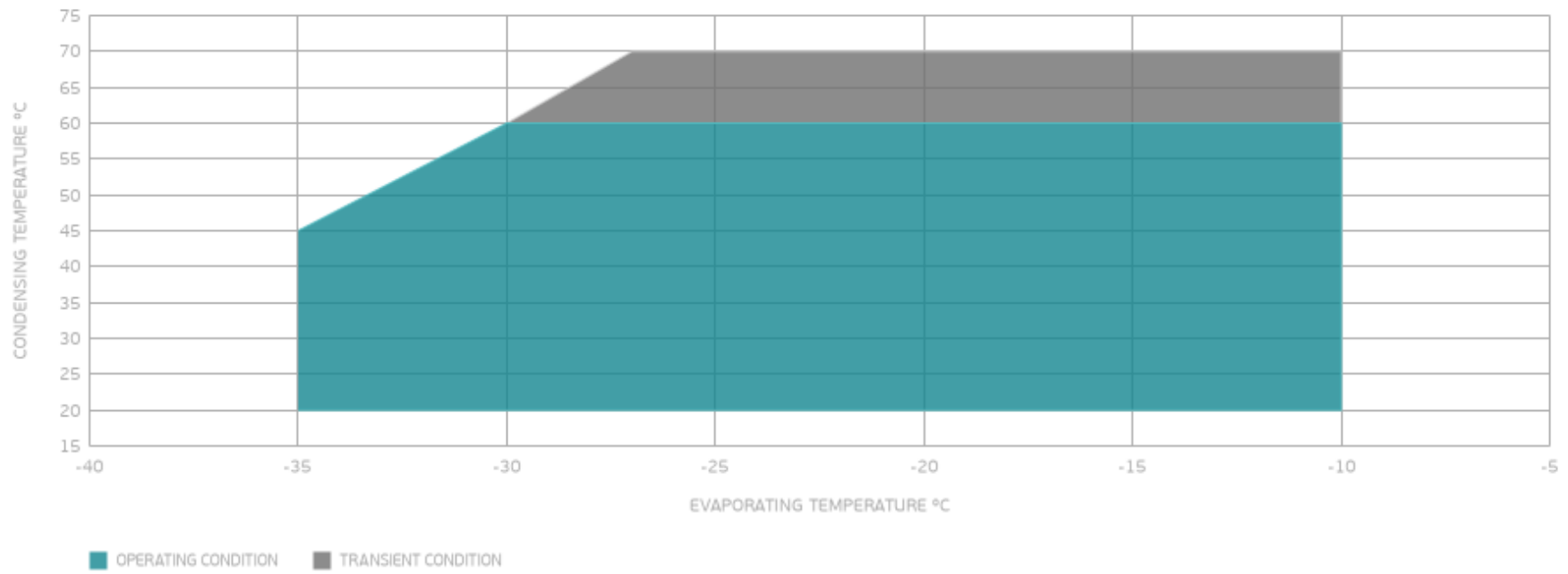
PERFORMANCE CURVE

Condensing Temperature 65°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	220	1.56	141	0.74	2.36
-20	284	1.73	165	0.83	3.06
-15	363	1.91	191	0.93	3.92
-10	460	2.10	219	1.04	4.97

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 DIMENSIONS

