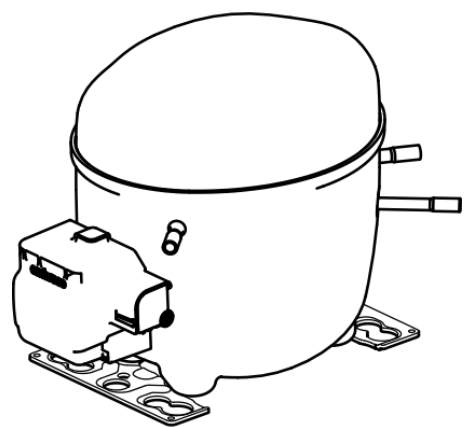


COMPRESSOR TECHNICAL DATA



EGAS100CLP



ENGINEERING CODE
513701421



REFRIGERANT
R-600a



POWER SUPPLY
220 V 50-60 Hz



APPLICATION
LBP



MOTOR TYPE
RSIR



STANDARD
ASHRAE



COOLING CAPACITY
297 W



EFFICIENCY
1.54 W/W

DATA

GENERAL DATA

Model	EGAS100CLP
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	15.39 Ω at 25°C
Run Winding Resistance	12.41 Ω at 25°C
Locked Rotor Amperage (LRA) 50Hz	10.3 A
Locked Rotor Amperage (LRA) 60Hz	9.7 A
Rated Load Amperage (LMBP) at 50 Hz	2 A
Rated Load Amperage (LMBP) at 60 Hz	1.8 A
Rated Load Amperage (HBP) at 50 Hz	2.3 A
Rated Load Amperage (HBP) at 60 Hz	2.1 A

MECHANICAL DATA

Displacement	13.54 cm³
Oil Charge	280 ml
Oil Type	ALQUILB
Oil Viscosity	ISO5
Weight	10.3 Kg

ELECTRICAL COMPONENTS

CSR CSIR BOX	No
Starting Device Type	PTC
Starting Device Description	8EA17E63 QPS2-A22MG1 QPS2-A22MG1 092 QPS2-C22MD3J6
Overload Protection	4TM319LFBYY-53

EXTERNAL CHARACTERISTICS

Base Plate	SMALL V2
Tray Holder	NO

Connector	Internal Diameter	Shape	Material
Suction	8.2 mm	SLANTED	COPPER
Discharge	4.94 mm	SLANTED	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	60 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	297	1.54	193	1.36	3.2
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	169	1.33	127	1.21	1.81
-30	219	1.53	144	1.23	2.35
-25	283	1.75	161	1.27	3.04
-20	361	2.01	179	1.32	3.88
-15	456	2.31	197	1.38	4.91
-10	569	2.65	215	1.45	6.14
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	166	1.24	134	1.22	1.78
-30	217	1.41	154	1.25	2.33
-25	280	1.60	175	1.30	3.01
-20	357	1.80	198	1.36	3.84
-15	449	2.02	222	1.44	4.84
-10	559	2.27	247	1.52	6.03
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	209	1.31	160	1.27	2.24
-25	272	1.47	185	1.33	2.92
-20	348	1.64	212	1.41	3.75
-15	439	1.82	242	1.50	4.74
-10	546	2.01	273	1.61	5.90
Test Condition: Liquid 32.2 °C, Return Gas 32.2 °C. Data generated in accordance to EN 12900:2013 polynomial equation and tolerance guidelines.					

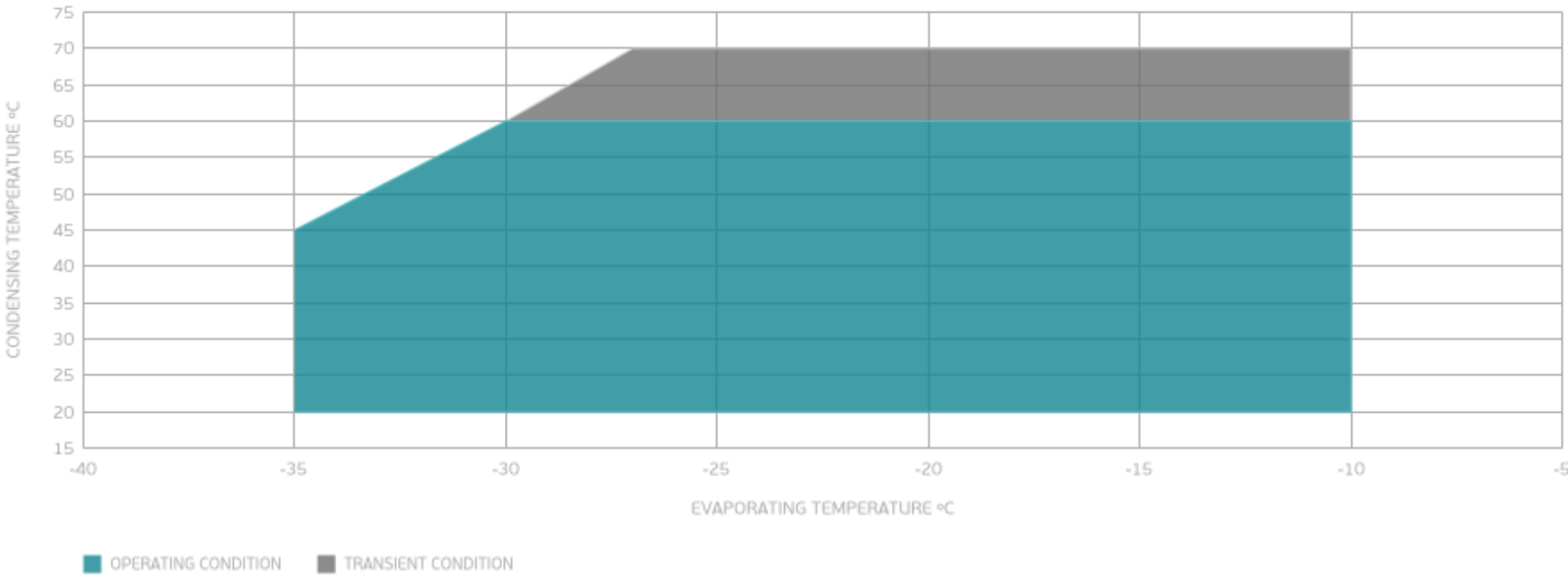
PERFORMANCE CURVE

Condensing Temperature 65°C

Evaporating Temperature °C	Cooling Capacity W	Efficiency W/W	Power Consumption W	Current A	Gas Flow Rate kg/h
-25	255	1.36	189	1.36	2.75
-20	332	1.51	220	1.46	3.58
-15	423	1.66	254	1.57	4.56
-10	528	1.81	291	1.69	5.71

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

