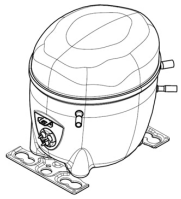
MODEL
EGYS90CLP



APPROVALS

ENGINEERING CODE
513701340

APPROVED REFRIGERANT
R-600a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
213 W (LBP)

EFFICIENCY
1.69 W/W (LBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	12.21 cm^3
Compressor Cooling	Static/Controled/220
Expansion Device	Capillary Tube
Horse Power	1/4 hp
Power Supply	220-240 V 50 Hz / 220-240 V 60 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	23.31 Ω at 25° C
Run Winding Resistance	11.64 Ω at 25° C
Locked Rotor Amperage (LRA)	6.8 A
Rated Load Amperage (RLA) at 50 Hz	1.15 A
Rated Load Amperage (RLA) at 60 Hz	1.1 A

Mechanical Data

Oil Charge	280 ml
Oil Type Configuration	ALQUILB
Oil Type Viscosity	ISO5
Weight	11.22 Kg

Electrical Components

	Description
Starting Device	PTC | 7M220MC1 8EA17C1 8M220MC1 QPS2-A22MG1 QPS2-A22MG1 092
Motor Protection	4TM319KFBYY-53

External Characteristics

Tray Holder	No

Connector	Internal Diameter	Shape
Suction	8.2 mm	Slanted/Copper
Discharge	4.94 mm	Slanted/Copper
Process	6.5 mm	Straight/Copper

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	213 W	126 W	0.97 A	2.29 kg/h	1.69 W/W

Test Condition: ASHRAELBP32, Static/Controled/220, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C , Liquid 32.2°C, Subcooling 22.2K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	122	84	0.76	1.31	1.46
-30	161	96	0.82	1.73	1.67
-25	211	108	0.87	2.27	1.96
-20	274	120	0.92	2.95	2.29
-15	351	132	0.97	3.78	2.65
-10	441	146	1.03	4.76	3.03

Test Condition: ASHRAELBP32, Static/Controled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	119	87	0.8	1.27	1.36
-30	156	102	0.86	1.68	1.53
-25	205	116	0.92	2.20	1.76
-20	265	131	0.98	2.85	2.03
-15	338	146	1.05	3.65	2.32
-10	426	163	1.13	4.60	2.61

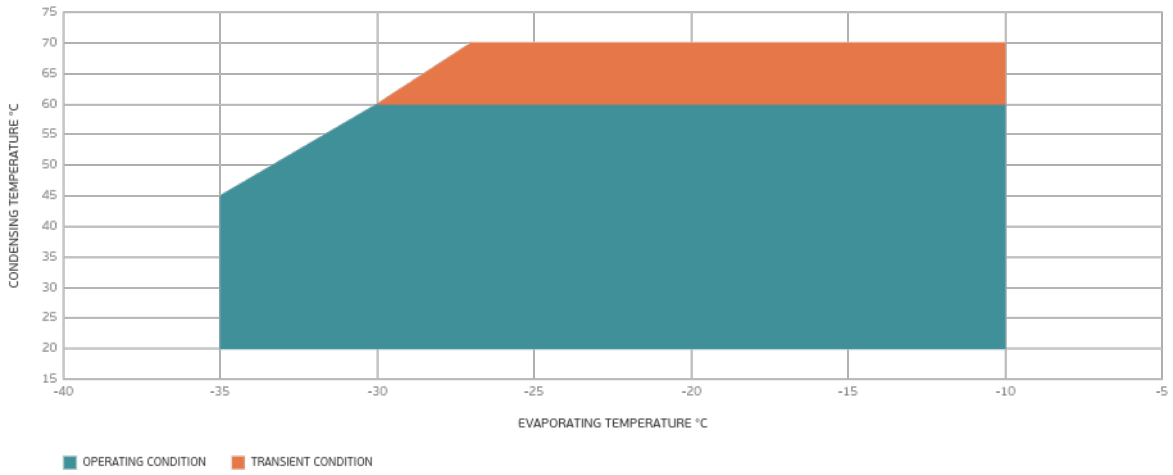
Test Condition: ASHRAELBP32, Static/Controled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	110	88	0.79	1.18	1.26
-30	147	104	0.87	1.58	1.41
-25	193	121	0.95	2.08	1.6
-20	252	137	1.03	2.71	1.83
-15	322	155	1.11	3.47	2.07
-10	405	175	1.21	4.38	2.32

Test Condition: ASHRAELBP32, Static/Controled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Operating Envelope



External Dimensions