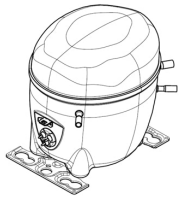
MODEL
EGZS90HLC



APPROVALS

ENGINEERING CODE
513701009

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
277 W (LBP)

EFFICIENCY
1.79 W/W (LBP)

MOTOR TYPE
RSCR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	7.15 cm^3
Compressor Cooling	Static/NotControled/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	RSCR
Starting Torque	LST
Start Winding Resistance	21.7 Ω at 25° C
Run Winding Resistance	10.4 Ω at 25° C
Locked Rotor Amperage (LRA)	11.5 A
Rated Load Amperage (RLA) at 60 Hz	2 A

Mechanical Data

Oil Charge	230 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO10
Weight	11.29 Kg

Electrical Components

	Description
Starting Device	PTC | 7M220MD3 8EA17C3 8M220MD3 QPS2-A22MD3 QPS2-A22MD3 091
Run Capacitor	4
Motor Protection	4TM283NFBYY-53 BT95-120

External Characteristics

Tray Holder	No

Connector	Internal Diameter	Shape
Suction	6.5 mm	Straight/Copper
Discharge	4.94 mm	Straight/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	277 W	155 W	0.7 A	5.38 kg/h	1.79 W/W

Test Condition: ASHRAELBP32, Static/NotControled/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	124	137	0.46	1.92	0.91
-30	179	152	0.54	2.98	1.17
-25	247	168	0.63	4.31	1.47
-20	331	184	0.71	5.97	1.8
-15	434	200	0.8	7.99	2.17
-10	557	215	0.88	10.43	2.6

Test Condition: ASHRAELBP32, Static/NotControled/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	148	102	0.48	2.85	1.44
-30	203	122	0.56	3.92	1.66
-25	270	143	0.65	5.24	1.89
-20	353	164	0.75	6.86	2.15
-15	453	186	0.85	8.83	2.44
-10	573	207	0.94	11.20	2.77

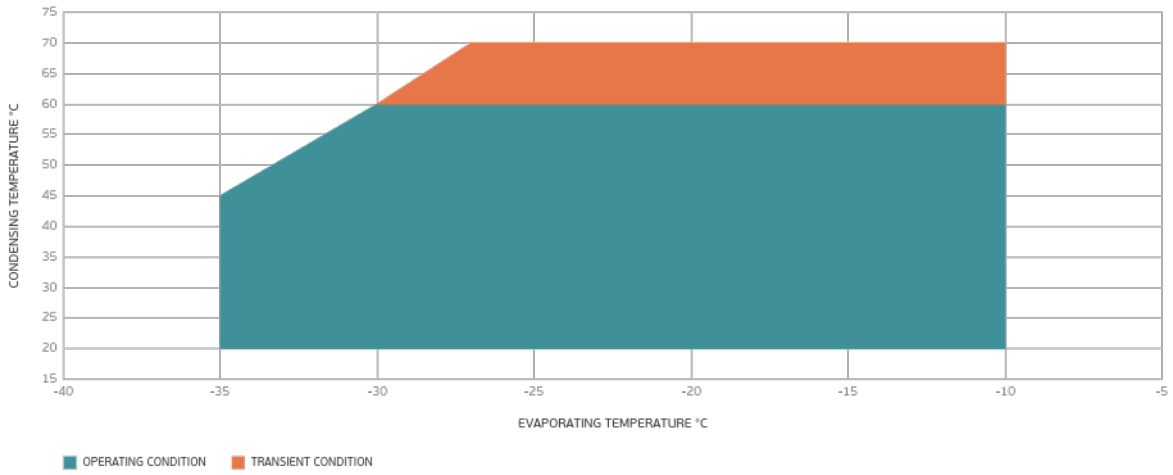
Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	126	97	0.46	2.43	1.29
-30	181	121	0.56	3.51	1.5
-25	249	146	0.66	4.83	1.7
-20	331	173	0.78	6.42	1.91
-15	429	200	0.9	8.35	2.14
-10	545	228	1.02	10.66	2.39

Test Condition: ASHRAELBP32, Static/NotControled/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