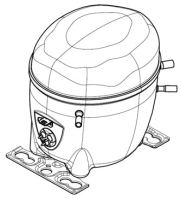
MODEL
EGAS80HLR



APPROVALS

ENGINEERING CODE
513701181

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
115-127 V 60 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
238 W (LBP)

EFFICIENCY
1.54 W/W (LBP)

MOTOR TYPE
RSIR/CSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	6.36 cm³
Compressor Cooling	Static/NotControled/115
Expansion Device	Capillary Tube
Horse Power	1/4 hp
Power Supply	115-127 V 60 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSIR/CSIR
Starting Torque	LST
Start Winding Resistance	6.55 Ω at 25° C
Run Winding Resistance	3.05 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	230 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO10
Weight	10.29 Kg

Electrical Components

	Description
Motor Protection	4TM762NFBZZ-53
Starting Device	Relay | 213516001 213516585*
Start Capacitor	233-280 Uf / 140 V

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	238 W	154 W	2.03 A	4.61 kg/h	1.54 W/W

Test Condition: ASHRAELBP32, Static/NotControled/115, 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	121	156	1.5	2.69	0.77
-30	178	173	1.7	3.79	1.03
-25	241	188	1.88	5.03	1.29
-20	314	201	2.05	6.47	1.56
-15	399	212	2.19	8.14	1.88
-10	497	222	2.32	10.09	2.24

Test Condition: ASHRAELBP32, Static/NotControled/115, 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	120	102	1.33	2.32	1.18
-30	176	125	1.62	3.40	1.41
-25	240	147	1.91	4.65	1.63
-20	314	169	2.19	6.11	1.86
-15	402	190	2.46	7.83	2.11
-10	503	210	2.73	9.85	2.39

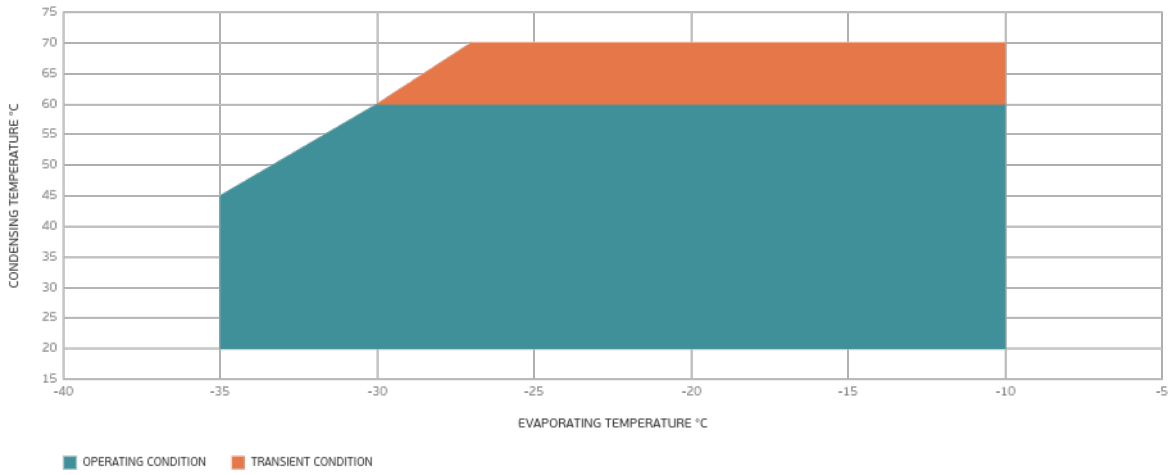
Test Condition: ASHRAELBP32, Static/NotControled/115, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	95	91	1.2	1.83	1.04
-30	148	118	1.55	2.87	1.26
-25	212	145	1.91	4.10	1.46
-20	287	173	2.27	5.57	1.65
-15	375	202	2.64	7.32	1.86
-10	480	230	3.01	9.38	2.08

Test Condition: ASHRAELBP32, Static/NotControled/115, 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