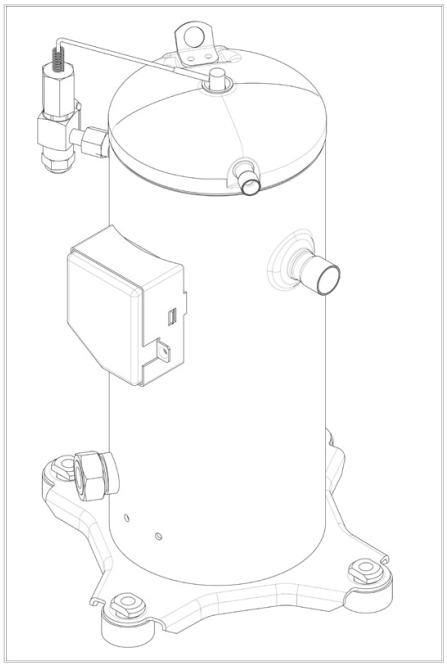
MODEL
SE2006GS-0



APPROVALS

CE

ENGINEERING CODE
303AO1201AC

APPROVED REFRIGERANT
R-404A

POWER SUPPLY
380 V 50 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
LBP

COOLING CAPACITY
1260 W

EFFICIENCY
1.08 W/W

MOTOR TYPE
3 Phase

DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	5.8 m^3/h (33.3 cm^3/rev)
Compressor Cooling	Static
Horse Power	2 hp
Power Supply	380-420 V 50 Hz / 460 V 60 Hz

Electrical Data

Motor type	3 Phase
Pole	2
Voltage working range at 50 Hz	342-462 V
Voltage working range at 60 Hz	414-506 V
Maximum Motor Temperature	130 °C
Run Winding Resistance	6.7 Ω at 25° C
Motor insulation class	B
Rated speed	2900
High Side	3.2 MPa
Low Side	2 MPa
Maximum discharge temperature	125
Pressure release valve opening range	2.76-3.10 MPa

Mechanical Data

Maximum Recommended Refrigerant Charge	2.8 Kg
Oil Type	POE 32
Oil Initial Volume	1.4 L
Oil Recharge Volume	1.25 L
Oil Circulation	<1 %
Weight	30.6 Kg
Free Internal Volume Low	4.1 L
Free Internal Volume High	1 L

Electrical Components

	Description
Motor Protection	Internal Protector

External Characteristics

Base Plate Holes	191x191
Base Plate Dimensions	239x239
Height	424 mm
Diameter	168 mm
Hanger Tab	1
Oil Side Glass	1

Connector	Internal Diameter	Material	Shape
Suction	1 1/4"-12 UNF 2A	Copper plated steel tube	Rotolock
Discharge	3/4"-16 UNF 2A	Copper plated steel tube	Rotolock

PERFORMANCE

Rated Points

Cooling Capacity	Power Input	COP	Rated Load Amps RLA	Locked Rotor Amps LRA	Maximum Operating Current MOC	Sound Power Level
1260 W	1168 W	1.08 W/W	2.4 A	22 A	3.8 A	71 dBA

Test Condition: EN12900: Te -35°C; Tc 40°C; Rg 20°C. No subcooling; Ta 35°C. Data in accordance to EN12900 guideline polynomial curve.

Performance Curve Data - Frequency: 50Hz

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-40	1078	1015	1.06
-35	1352	1074	1.26
-30	1686	1136	1.48
-25	2085	1201	1.74
-20	2553	1270	2.01
-15	3093	1341	2.31
-10	3708	1414	2.62
-5	4403	1489	2.96
0	5179	1566	3.31

Test Condition: , Static, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-40	930	1217	0.76
-35	1166	1280	0.91
-30	1453	1347	1.08
-25	1797	1418	1.27
-20	2199	1492	1.47
-15	2664	1569	1.7
-10	3195	1650	1.94
-5	3796	1732	2.19
0	4471	1817	2.46

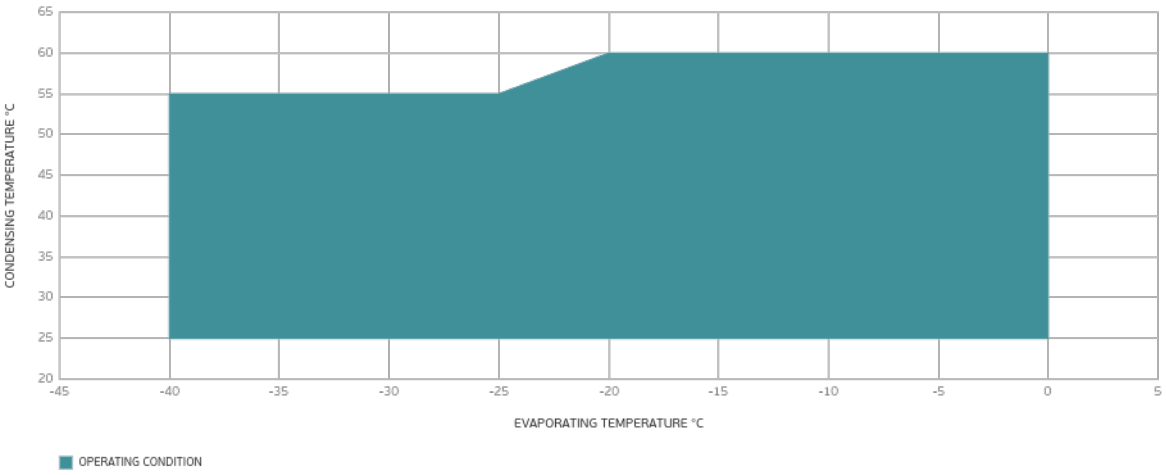
Test Condition: , Static, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

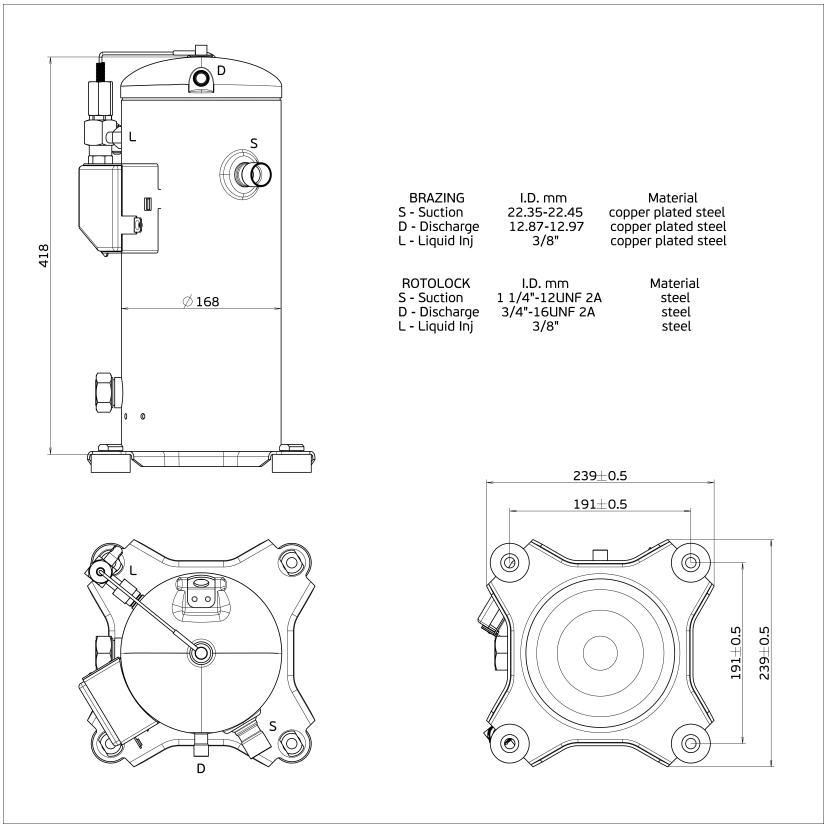
Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-40	799	1533	0.52
-35	986	1595	0.62
-30	1216	1663	0.73
-25	1492	1735	0.86
-20	1817	1811	1
-15	2196	1890	1.16
-10	2632	1973	1.33
-5	3129	2059	1.52
0	3689	2148	1.72

Test Condition: , Static, Return Gas 20°C, Ambient 35°C , Subcooling 0K. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



External Dimensions



BRAZING	I.D. mm	Material
S - Suction	22.35-22.45	copper plated steel
D - Discharge	12.87-12.97	copper plated steel
L - Liquid Inj	3/8"	copper plated steel

ROTOLOCK	I.D. mm	Material
S - Suction	1 1/4"-12UNF 2A	steel
D - Discharge	3/4"-16UNF 2A	steel
L - Liquid Inj	3/8"	steel

Wiring Diagram