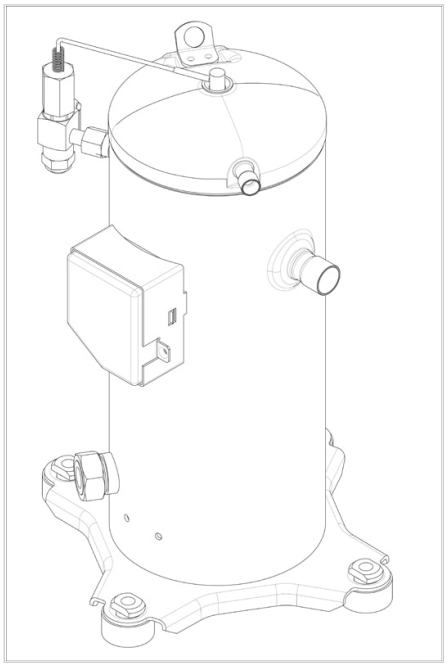
MODEL

SE2006GS-0



APPROVALS

CE

ENGINEERING CODE
303AO1201AA

APPROVED REFRIGERANT
R-452A

POWER SUPPLY
380 V 50 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
LBP

COOLING CAPACITY
1241 W

EFFICIENCY
1.1 W/W

MOTOR TYPE
SCRL

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	SCRL
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	approximately 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
1241 W	1131 W	1.1 W/W	2.3 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	1072	288	3.73
-35	1321	304	4.35
-30	1624	321	5.06
-25	1993	340	5.87
-20	2436	358	6.8
-15	2964	377	7.85
-10	3585	397	9.04
-5	4310	415	10.38
0	5150	433	11.89

Test Condition: EN12900, Static, LBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-40	935	346	2.7
-35	1157	364	3.18
-30	1427	383	3.73
-25	1755	404	4.35
-20	2150	425	5.06
-15	2623	448	5.86
-10	3182	470	6.77
-5	3839	493	7.79
0	4602	515	8.93

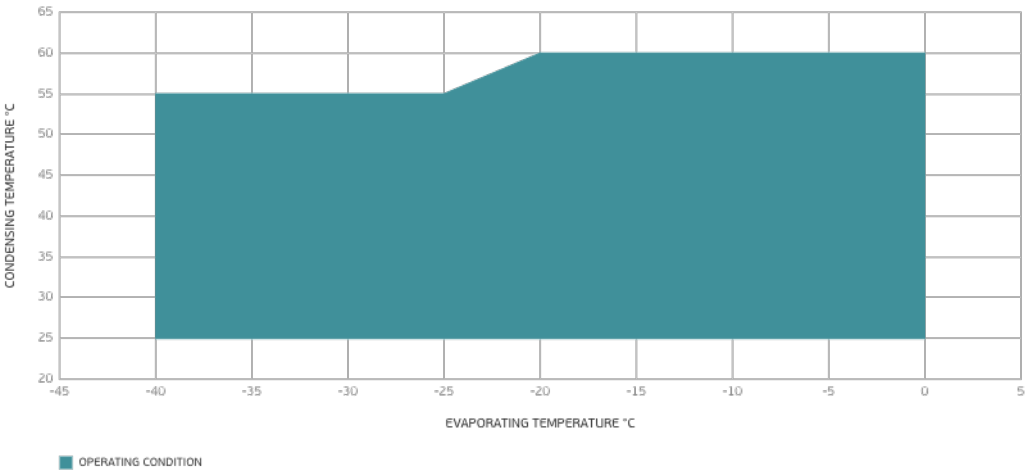
Test Condition: EN12900, Static, LBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-40	819	430	1.9
-35	995	448	2.22
-30	1212	467	2.59
-25	1479	489	3.03
-20	1807	512	3.53
-15	2206	536	4.12
-10	2684	561	4.79
-5	3252	586	5.55
0	3920	611	6.41

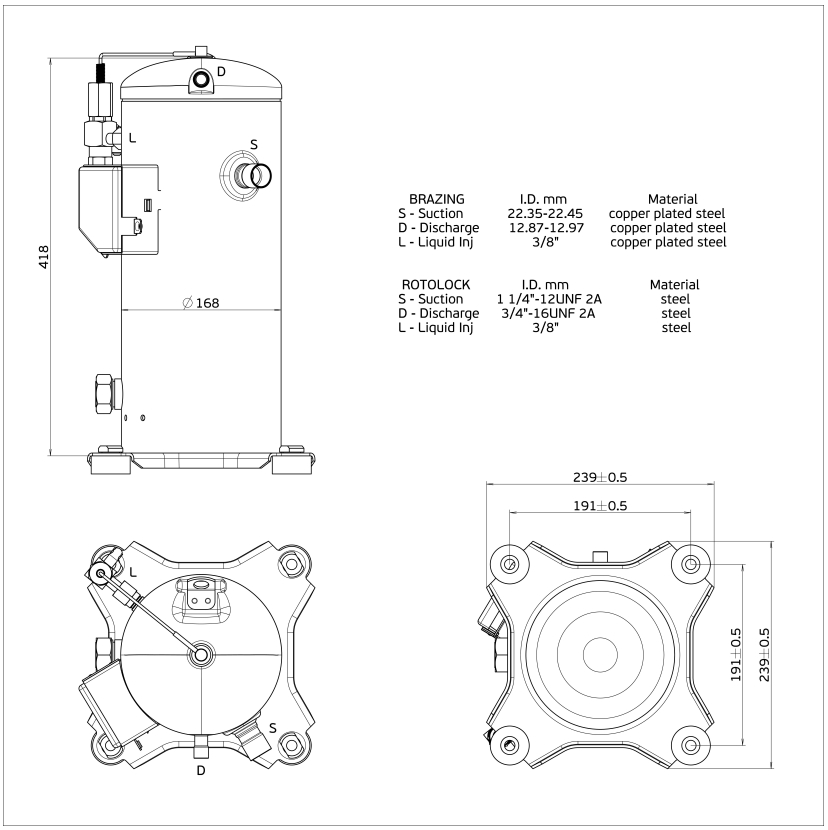
Test Condition: EN12900, Static, LBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



The envelope presented is related to R404A/R452A/R449A. For others, please contact our technical support.

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