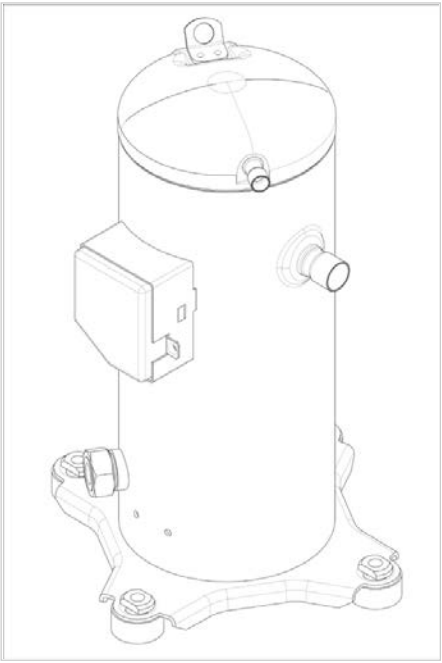
MODEL
SE6036GS-0



CE

ENGINEERING CODE
301EO1101AC

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
380 V 50 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
MBP

COOLING CAPACITY
4966 W

EFFICIENCY
2.17 W/W

MOTOR TYPE
SCRL

DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	14.5 m^3/h (83.3 cm^3/rev)
Compressor Cooling	Static
Horse Power	5 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	2.45 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	4.5 Kg
Oil Type	POE 32
Oil Initial Volume	1.4 L
Oil Recharge Volume	1.25 L
Oil Circulation	<1 %
Weight	32.4 Kg
Free Internal Volume Low	3.6 L
Free Internal Volume High	1 L

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
4966 W	2284 W	2.17 W/W	5.7 A	60 A	12.2 A	73 dBA

Test Condition: EN12900: Te -10°C; Tc 45°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
-30	2447	488	5.02
-25	2847	503	5.65
-20	3508	526	6.66
-15	4422	554	7.98
-10	5580	584	9.55
-5	6973	615	11.33
0	8591	645	13.31
5	10426	672	15.52
10	12470	694	17.98

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

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	2183	546	4
-25	2505	568	4.41
-20	3082	597	5.16
-15	3905	632	6.18
-10	4966	669	7.42
-5	6254	708	8.83
0	7761	746	10.4
5	9479	782	12.12
10	11398	813	14.02

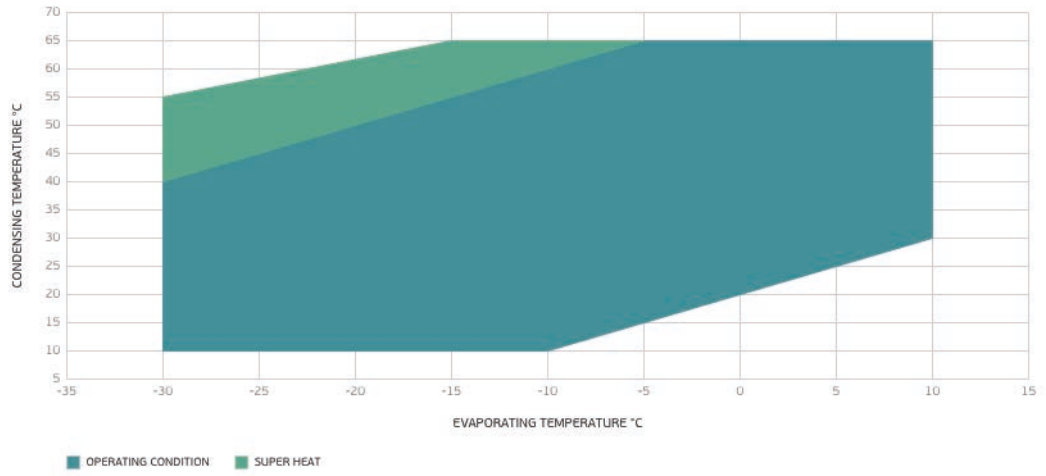
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	2089	623	3.35
-25	2288	650	3.52
-20	2735	685	3.99
-15	3421	726	4.72
-10	4337	770	5.64
-5	5475	816	6.71
0	6826	861	7.93
5	8379	905	9.26
10	10128	944	10.73

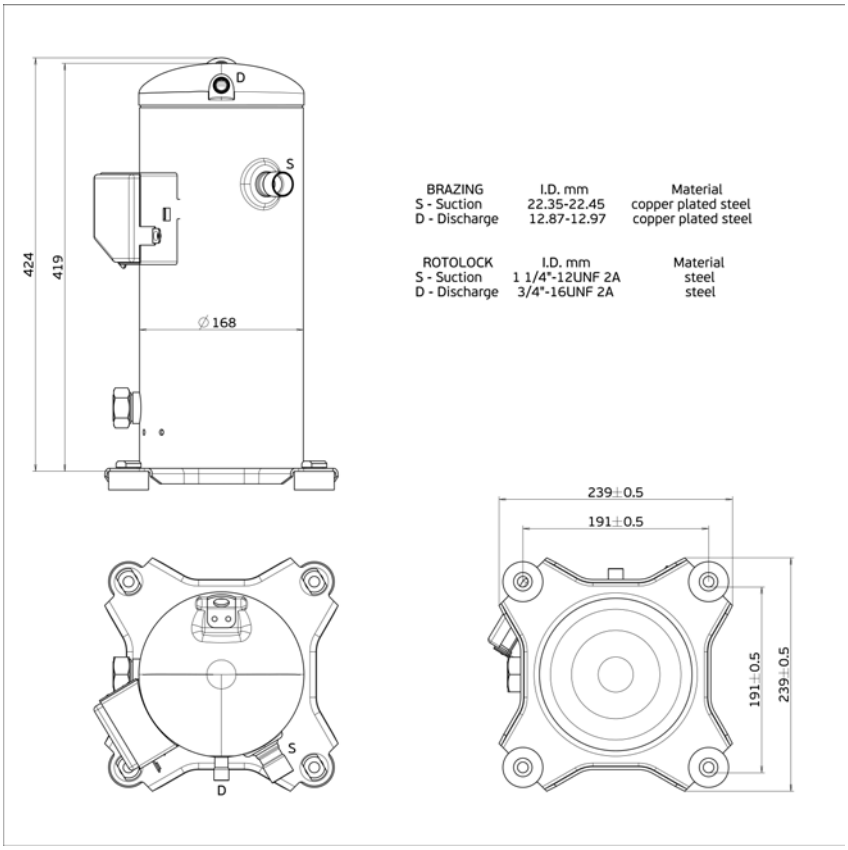
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram