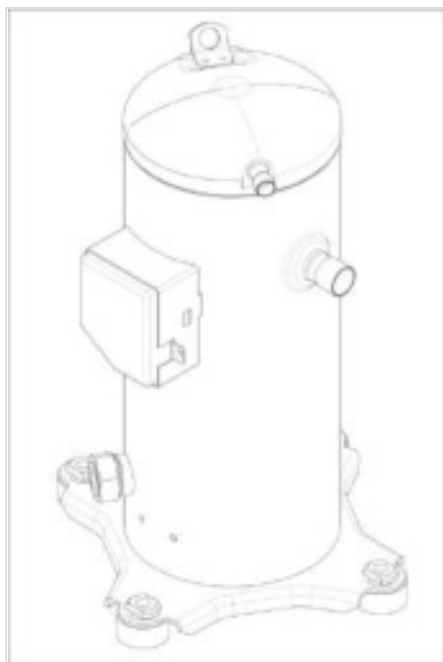


MODEL

SE6036GS-O

embraco

**APPROVALS****ENGINEERING CODE**

301EO1101AC

**APPROVED REFRIGERANT**

R-404A

**POWER SUPPLY**

380 V 50 Hz

**STANDARD CONDITIONS**

EN12900

**APPLICATION**

MBP

**COOLING CAPACITY**

8804 W

**EFFICIENCY**

2.26 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

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
8804 W	3895 W	2.26 W/W	7.6 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	4537	2687	1.69
-25	5633	2831	1.99
-20	6905	2978	2.32
-15	8392	3127	2.68
-10	10133	3275	3.09
-5	12164	3422	3.55
0	14523	3565	4.07
5	17250	3703	4.66
10	20380	3835	5.31

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	3921	3189	1.23
-25	4918	3370	1.46
-20	6039	3549	1.7
-15	7322	3725	1.97
-10	8804	3895	2.26
-5	10523	4058	2.59
0	12518	4214	2.97
5	14826	4359	3.4
10	17485	4492	3.89

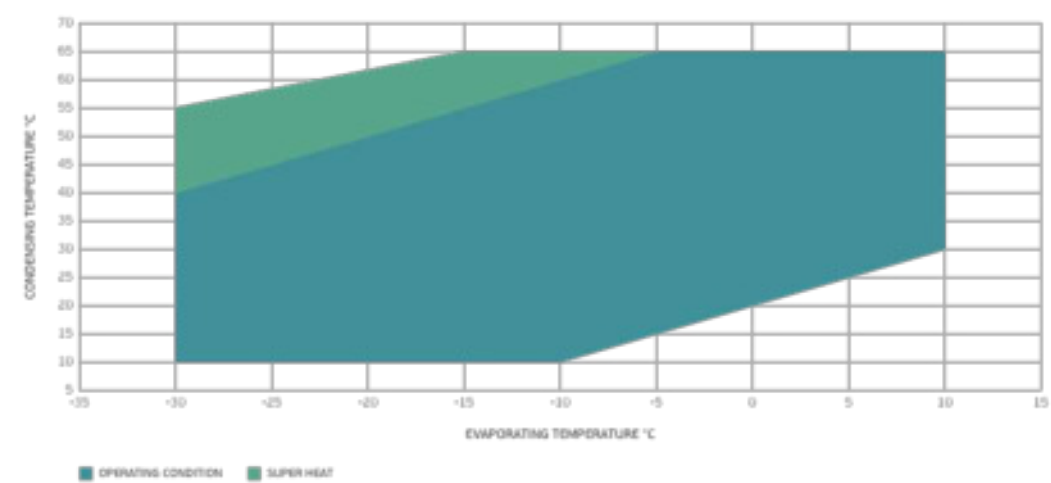
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	3137	3794	0.83
-25	4036	4018	1
-20	5005	4236	1.18
-15	6082	4446	1.37
-10	7306	4645	1.57
-5	8714	4832	1.8
0	10343	5006	2.07
5	12232	5165	2.37
10	14420	5308	2.72

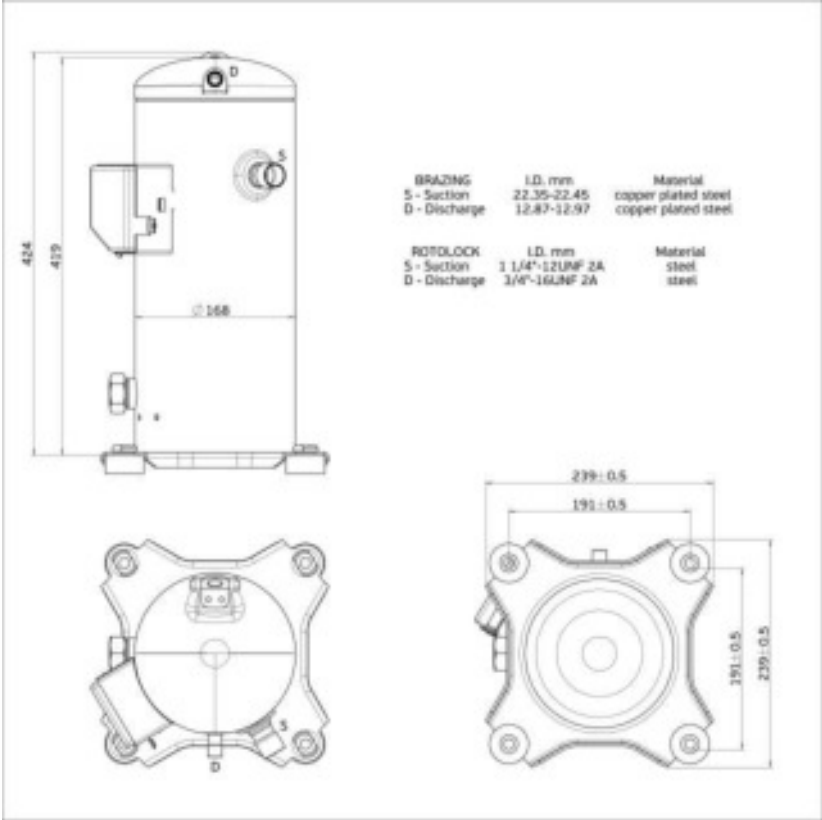
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

