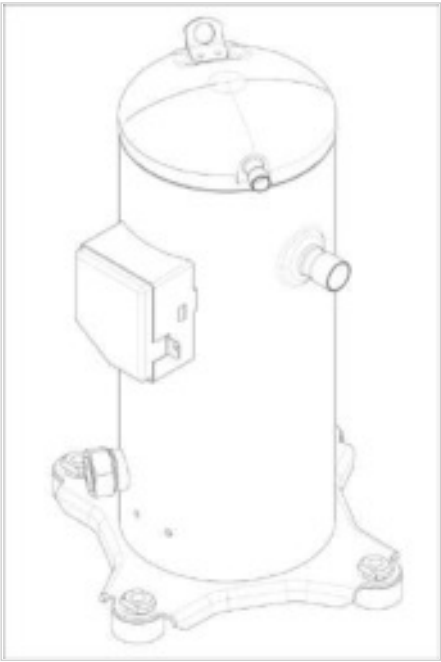


MODEL

SE6021GS-O

embraco



APPROVALS



ENGINEERING CODE
301CO1101AC



APPROVED REFRIGERANT
R-404A



POWER SUPPLY
380 V 50 Hz



STANDARD CONDITIONS
EN12900



APPLICATION
MBP



COOLING CAPACITY
5013 W



EFFICIENCY
2.15 W/W



MOTOR TYPE
SCRL

DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	8.1 m³/h (46.6 cm³/rev)
Compressor Cooling	Static
Horse Power	3 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	3.3 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	3.5 Kg
Oil Type	POE 32
Oil Initial Volume	1.4 L
Oil Recharge Volume	1.25 L
Oil Circulation	<1 %
Weight	30.1 Kg
Free Internal Volume Low	3.8 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
5013 W	2335 W	2.15 W/W	4.9 A	45 A	6.9 A	71 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	2583	1611	1.6
-25	3207	1697	1.89
-20	3932	1785	2.2
-15	4779	1874	2.55
-10	5770	1963	2.94
-5	6926	2051	3.38
0	8270	2137	3.87
5	9822	2219	4.43
10	11605	2298	5.05

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	2233	1911	1.17
-25	2800	2020	1.39
-20	3439	2127	1.62
-15	4169	2232	1.87
-10	5013	2335	2.15
-5	5992	2432	2.46
0	7128	2526	2.82
5	8442	2613	3.23
10	9956	2693	3.7

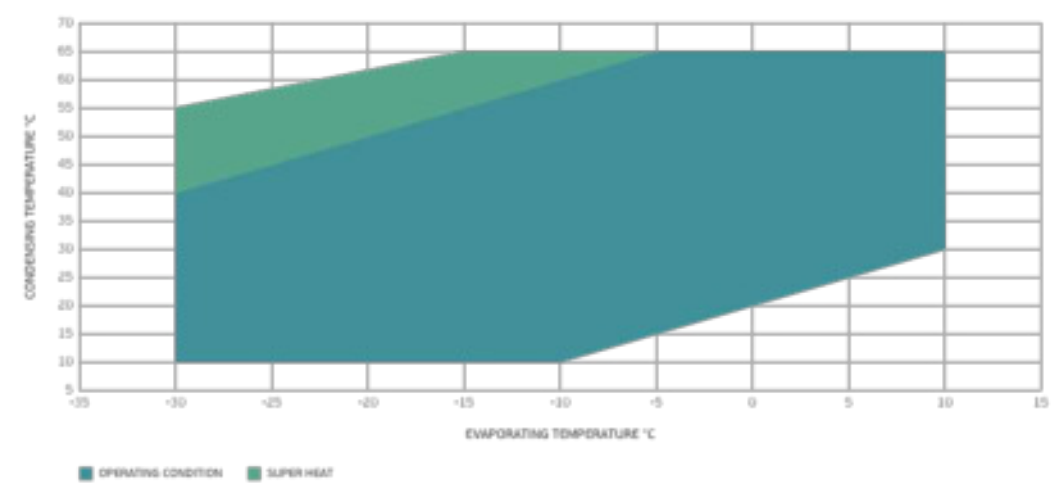
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	1786	2274	0.79
-25	2298	2408	0.95
-20	2850	2539	1.12
-15	3463	2665	1.3
-10	4160	2784	1.49
-5	4961	2896	1.71
0	5890	3000	1.96
5	6965	3096	2.25
10	8211	3181	2.58

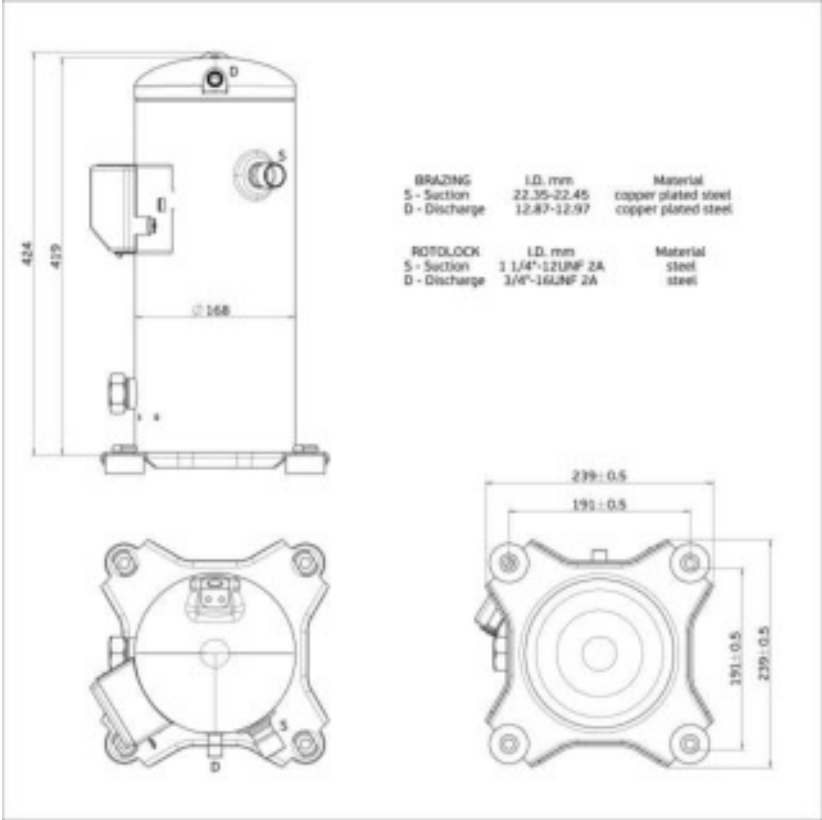
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

