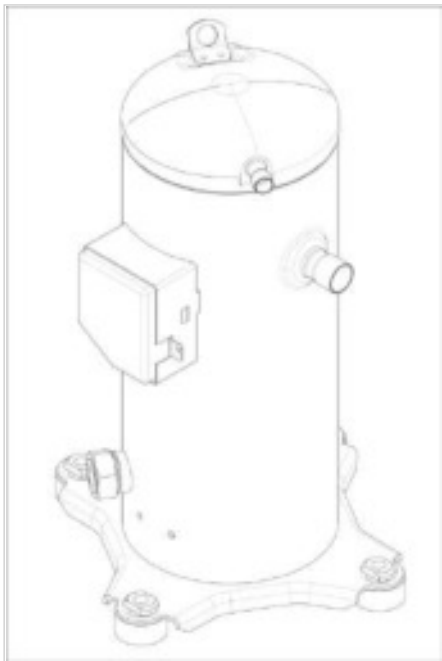


MODEL

SE6018GS-O

embraco



ENGINEERING CODE
301BO1101AC



APPROVED REFRIGERANT
R-404A



POWER SUPPLY
380 V 50 Hz



STANDARD CONDITIONS
EN12900



APPLICATION
MBP



COOLING CAPACITY
4402 W



EFFICIENCY
2.09 W/W



MOTOR TYPE
SCRL

APPROVALS



DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	7.3 m³/h (42 cm³/rev)
Compressor Cooling	Static
Horse Power	2 1/2 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	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
4402 W	2105 W	2.09 W/W	4.7 A	45 A	6.4 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	2269	1453	1.56
-25	2816	1530	1.84
-20	3452	1610	2.14
-15	4196	1690	2.48
-10	5066	1770	2.86
-5	6082	1850	3.29
0	7262	1927	3.77
5	8625	2002	4.31
10	10190	2073	4.92

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	1960	1724	1.14
-25	2459	1821	1.35
-20	3020	1918	1.57
-15	3661	2013	1.82
-10	4402	2105	2.09
-5	5262	2194	2.4
0	6259	2278	2.75
5	7413	2356	3.15
10	8742	2428	3.6

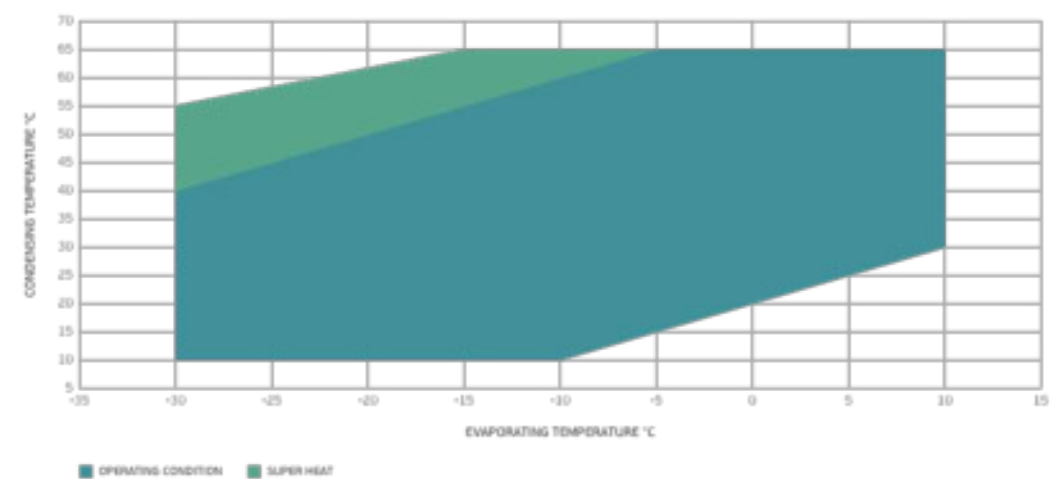
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	1568	2051	0.76
-25	2018	2172	0.93
-20	2503	2290	1.09
-15	3041	2403	1.27
-10	3653	2511	1.45
-5	4357	2612	1.67
0	5172	2706	1.91
5	6116	2792	2.19
10	7210	2869	2.51

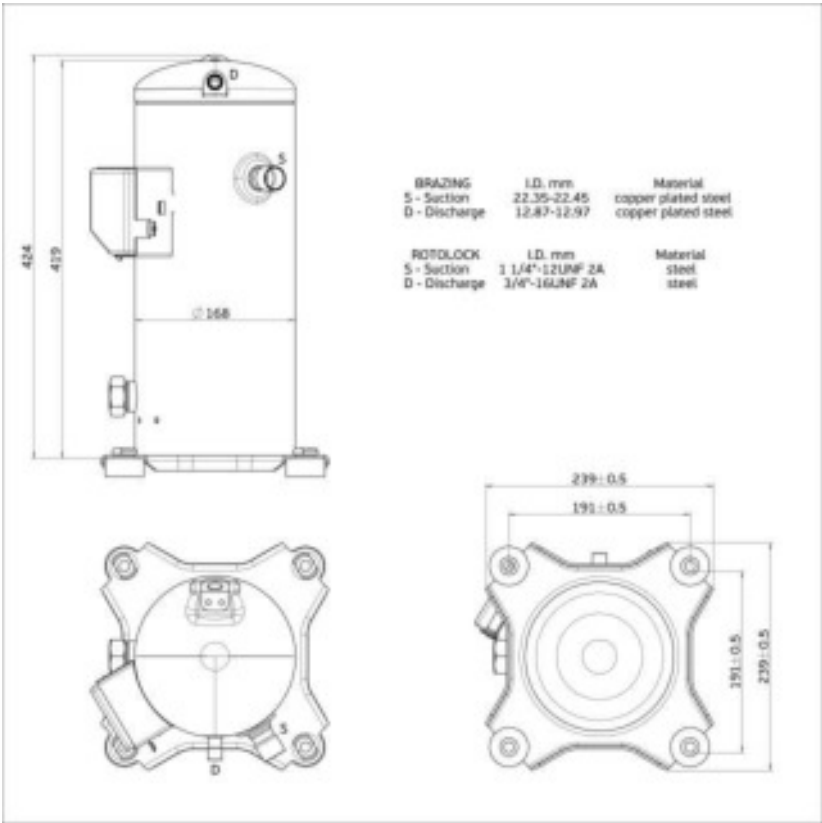
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

