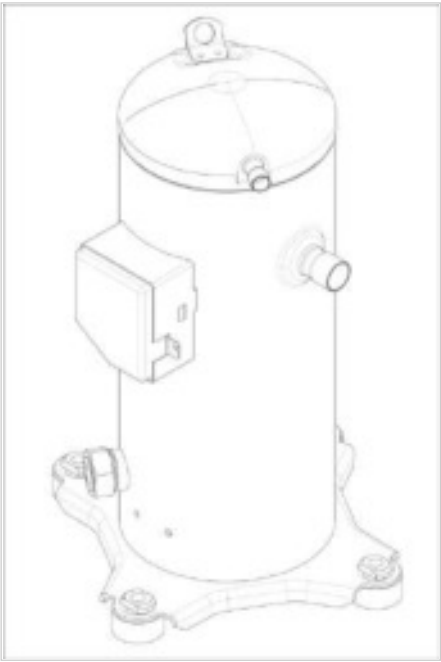


MODEL

SE6030GS-O

embraco



APPROVALS



ENGINEERING CODE
301DO1101AC



APPROVED REFRIGERANT
R-404A



POWER SUPPLY
380 V 50 Hz



STANDARD CONDITIONS
EN12900



APPLICATION
MBP



COOLING CAPACITY
7167 W



EFFICIENCY
2.22 W/W



MOTOR TYPE
SCRL

DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	11.8 m³/h (67.8 cm³/rev)
Compressor Cooling	Static
Horse Power	4 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
7167 W	3235 W	2.22 W/W	6.6 A	60 A	10.3 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	3694	2232	1.65
-25	4585	2352	1.95
-20	5621	2474	2.27
-15	6832	2597	2.63
-10	8249	2720	3.03
-5	9903	2842	3.48
0	11824	2961	3.99
5	14043	3076	4.57
10	16592	3185	5.21

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	3192	2648	1.21
-25	4004	2799	1.43
-20	4917	2948	1.67
-15	5960	3094	1.93
-10	7167	3235	2.22
-5	8567	3371	2.54
0	10191	3500	2.91
5	12070	3621	3.33
10	14234	3731	3.81

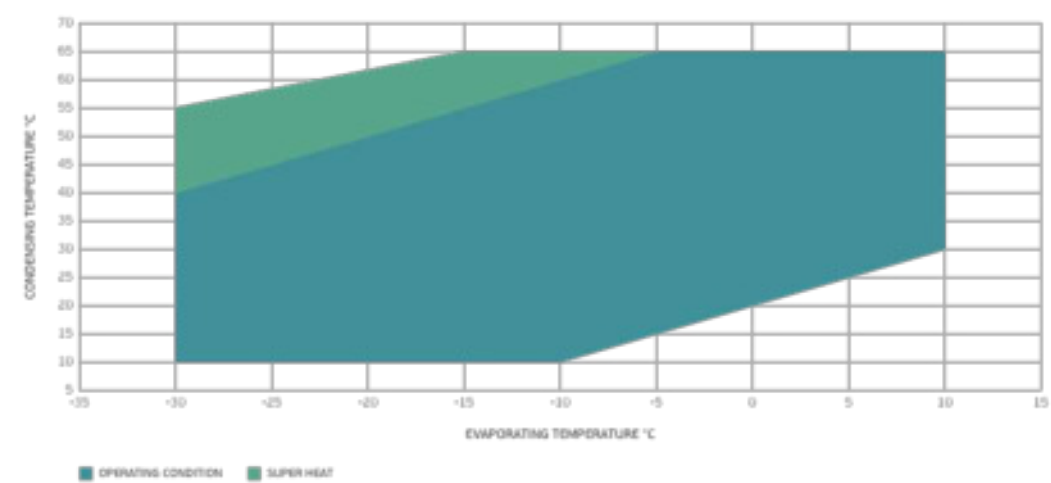
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	2554	3151	0.81
-25	3286	3337	0.98
-20	4075	3519	1.16
-15	4952	3692	1.34
-10	5948	3858	1.54
-5	7094	4013	1.77
0	8421	4158	2.03
5	9959	4290	2.32
10	11739	4408	2.66

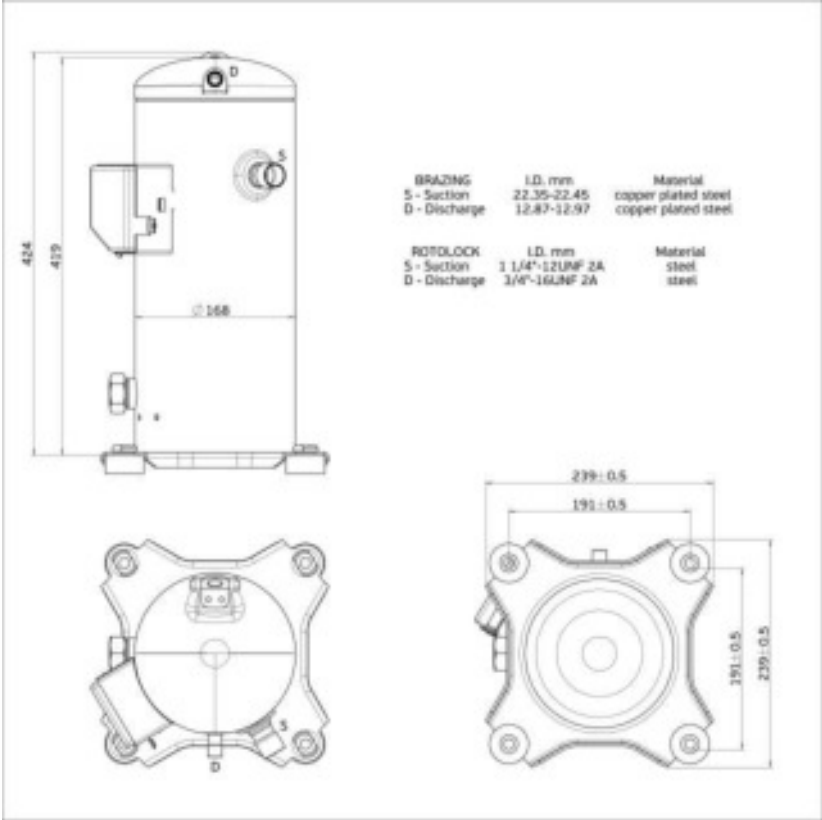
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

