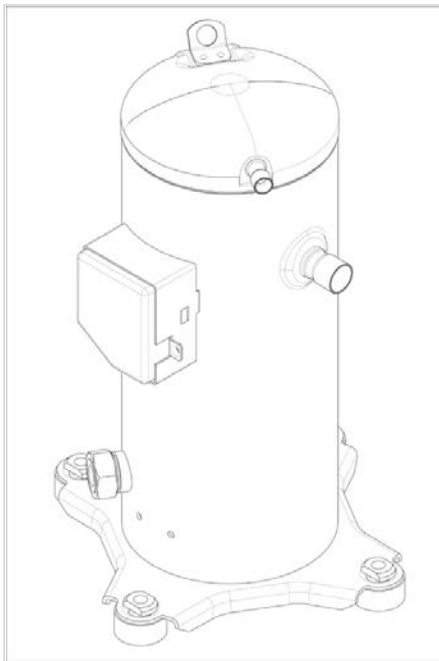


MODEL

SE6043GS-O

embraco



CE

ENGINEERING CODE
301FO1101AC

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
380 V 50 Hz

STANDARD CONDITIONS
EN12900

APPLICATION
MBP

COOLING CAPACITY
5900 W

EFFICIENCY
2.17 W/W

MOTOR TYPE
SCRL

DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	17.1 m ³ /h (98.3 cm ³ /rev)
Compressor Cooling	Static
Horse Power	6 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	1.9 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	5.5 Kg
Oil Type	POE 32
Oil Initial Volume	1.4 L
Oil Recharge Volume	1.25 L
Oil Circulation	<1 %
Weight	33.6 Kg
Free Internal Volume Low	3.2 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
5900 W	2714 W	2.17 W/W	6.4 A	65 A	14.3 A	74 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	2908	579	5.02
-25	3383	598	5.65
-20	4169	625	6.66
-15	5255	658	7.98
-10	6630	694	9.55
-5	8285	731	11.33
0	10208	767	13.31
5	12389	799	15.52
10	14817	824	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	2594	649	4
-25	2976	675	4.41
-20	3662	710	5.16
-15	4640	751	6.18
-10	5900	795	7.42
-5	7431	842	8.83
0	9222	887	10.4
5	11263	929	12.12
10	13543	966	14.02

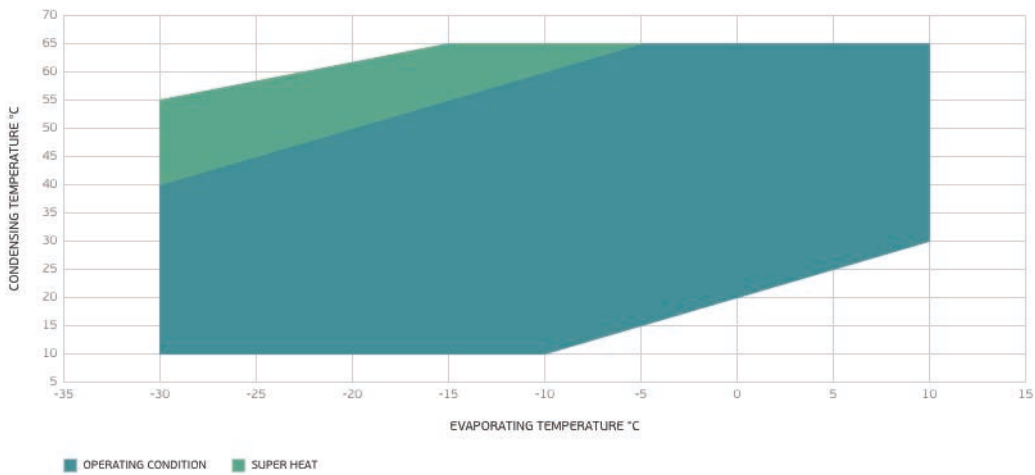
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	2483	741	3.35
-25	2719	773	3.52
-20	3249	814	3.99
-15	4065	862	4.72
-10	5154	915	5.64
-5	6506	969	6.71
0	8110	1023	7.93
5	9957	1075	9.26
10	12034	1122	10.73

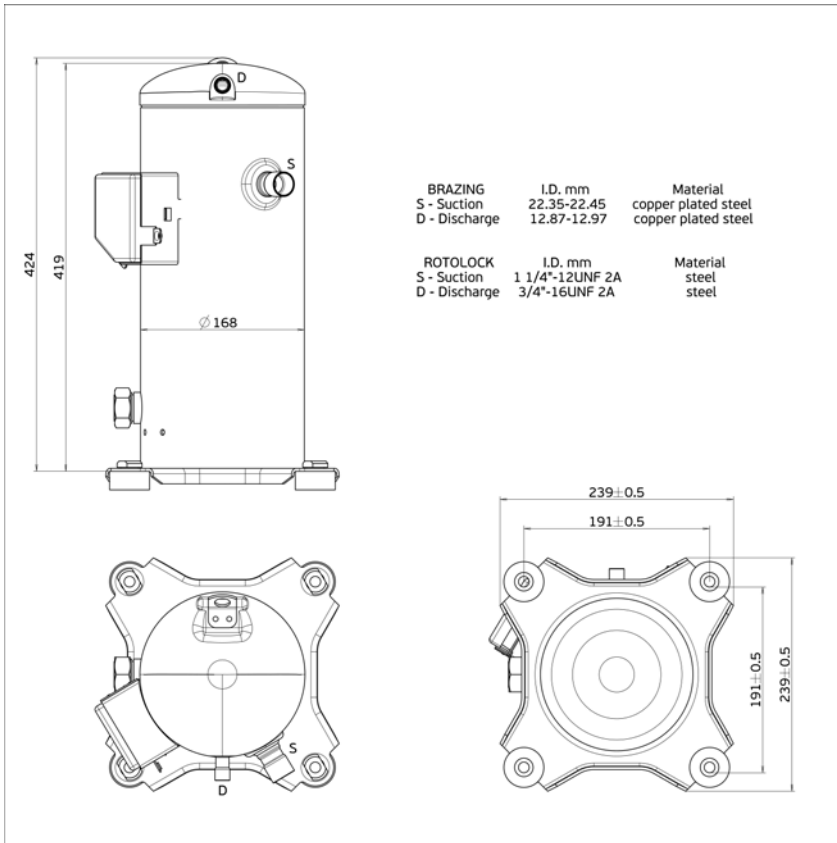
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

