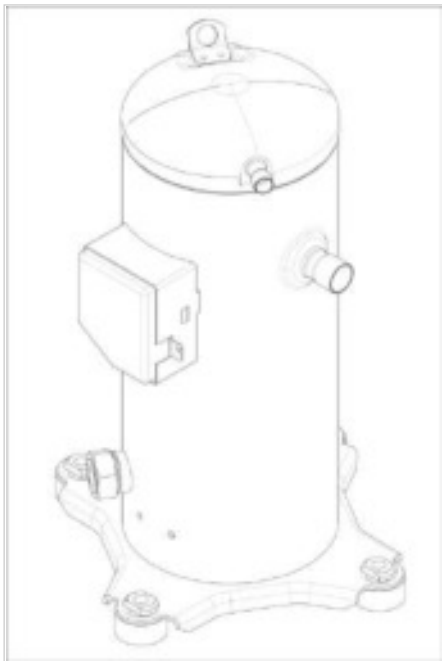


MODEL

SE6043GS-O

embraco



ENGINEERING CODE

301FO1101AC



APPROVED REFRIGERANT

R-404A



POWER SUPPLY

380 V 50 Hz



STANDARD CONDITIONS

EN12900



APPLICATION

MBP



COOLING CAPACITY

10461 W



EFFICIENCY

2.26 W/W



MOTOR TYPE

SCRL

APPROVALS



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

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
10461 W	4628 W	2.26 W/W	8.6 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	5391	3193	1.69
-25	6693	3364	1.99
-20	8205	3539	2.32
-15	9972	3716	2.68
-10	12040	3892	3.09
-5	14453	4066	3.55
0	17257	4236	4.07
5	20497	4400	4.66
10	24216	4556	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	4659	3789	1.23
-25	5844	4004	1.46
-20	7176	4217	1.7
-15	8700	4426	1.97
-10	10461	4628	2.26
-5	12504	4822	2.59
0	14874	5007	2.97
5	17616	5179	3.4
10	20776	5338	3.89

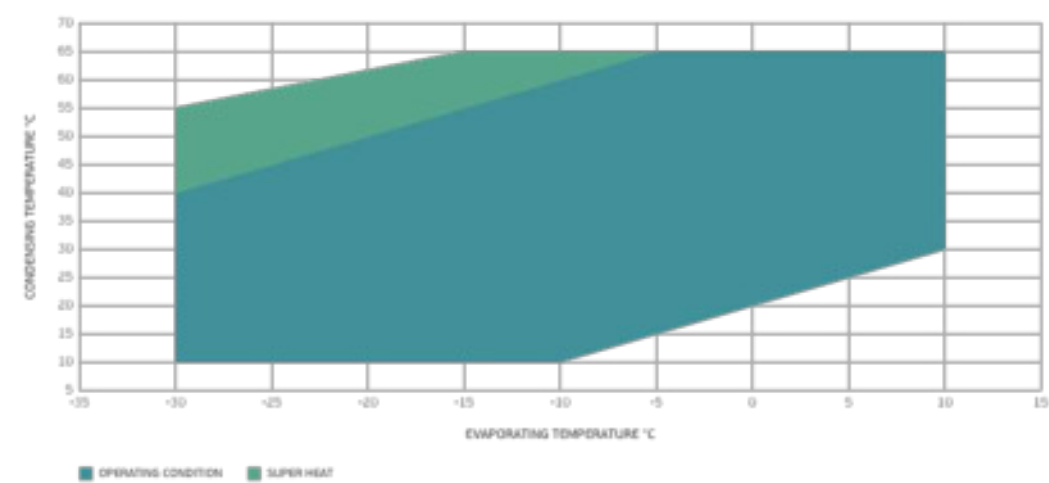
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	3727	4507	0.83
-25	4795	4775	1
-20	5947	5033	1.18
-15	7227	5282	1.37
-10	8681	5519	1.57
-5	10354	5742	1.8
0	12290	5948	2.07
5	14535	6137	2.37
10	17134	6307	2.72

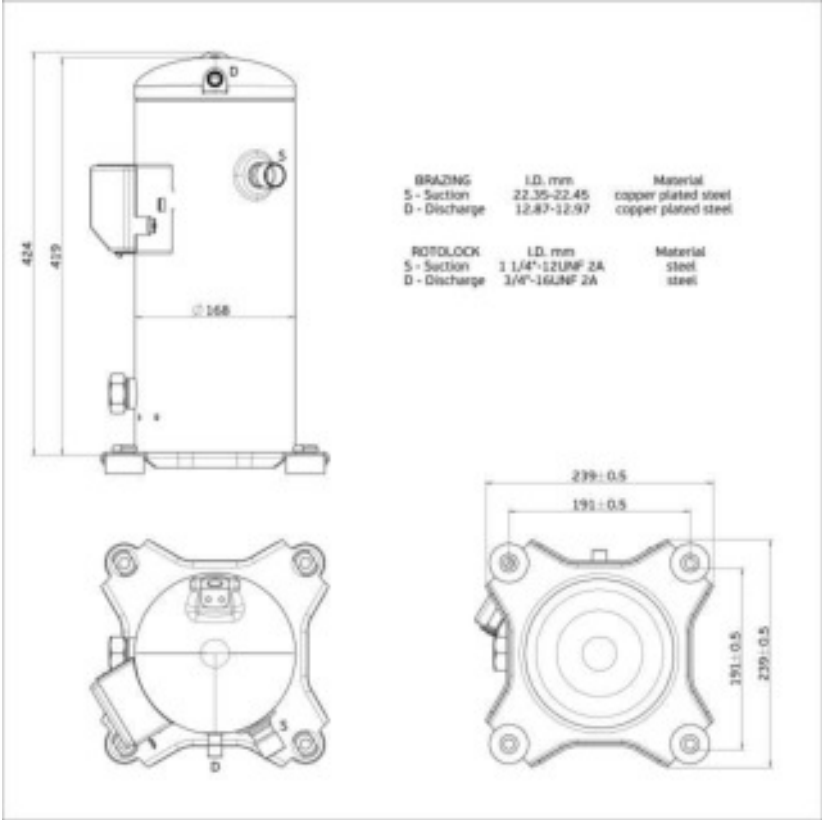
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

