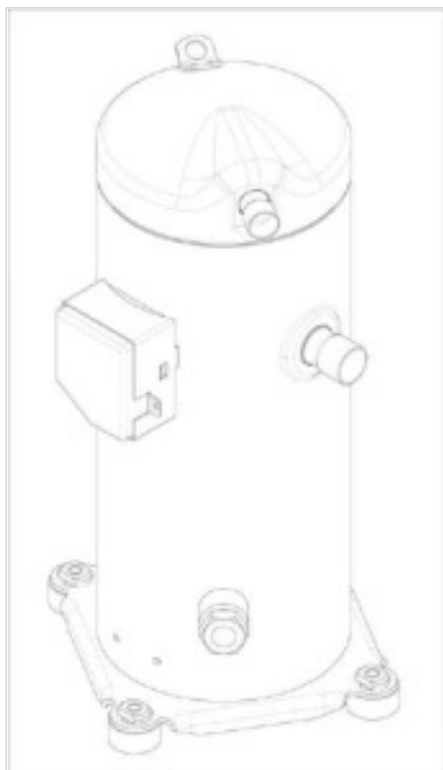


MODEL

SE6053GS-O

embraco




 **ENGINEERING CODE**
302AO1401AB

 **APPROVED REFRIGERANT**
R-404A

 **POWER SUPPLY**
380 V 50 Hz

 **STANDARD CONDITIONS**
EN12900

 **APPLICATION**
MBP

 **COOLING CAPACITY**
12677 W

 **EFFICIENCY**
2.26 W/W

 **MOTOR TYPE**
SCRL

APPROVALS



DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	20.1 m ³ /h (115.5 cm ³ /rev)
Compressor Cooling	Static
Horse Power	7 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	1.09 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	6.5 Kg
Oil Type	POE 32
Oil Initial Volume	2.7 L
Oil Recharge Volume	2.6 L
Oil Circulation	<1 %
Weight	54.1 Kg
Free Internal Volume Low	7.3 L
Free Internal Volume High	0.9 L

Electrical Components

	Description
Motor Protection	Internal Protector

External Characteristics

Base Plate Holes	191x191		
Base Plate Dimensions	232x232		
Height	506 mm		
Diameter	197 mm		
Hanger Tab	1		
Oil Side Glass	1		
Connector	Internal Diameter	Material	Shape
Suction	1 3/4"-12UN	Copper plated steel tube	Rotolock
Discharge	1 1/4"-12 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
12677 W	5609 W	2.26 W/W	11.2 A	117 A	17.3 A	75 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	6533	3870	1.69
-25	8111	4077	1.99
-20	9943	4289	2.32
-15	12085	4503	2.68
-10	14591	4716	3.09
-5	17515	4927	3.55
0	20914	5133	4.07
5	24839	5332	4.66
10	29348	5522	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	5646	4592	1.23
-25	7082	4853	1.46
-20	8696	5111	1.7
-15	10543	5363	1.97
-10	12677	5609	2.26
-5	15153	5844	2.59
0	18025	6068	2.97
5	21349	6277	3.4
10	25178	6469	3.89

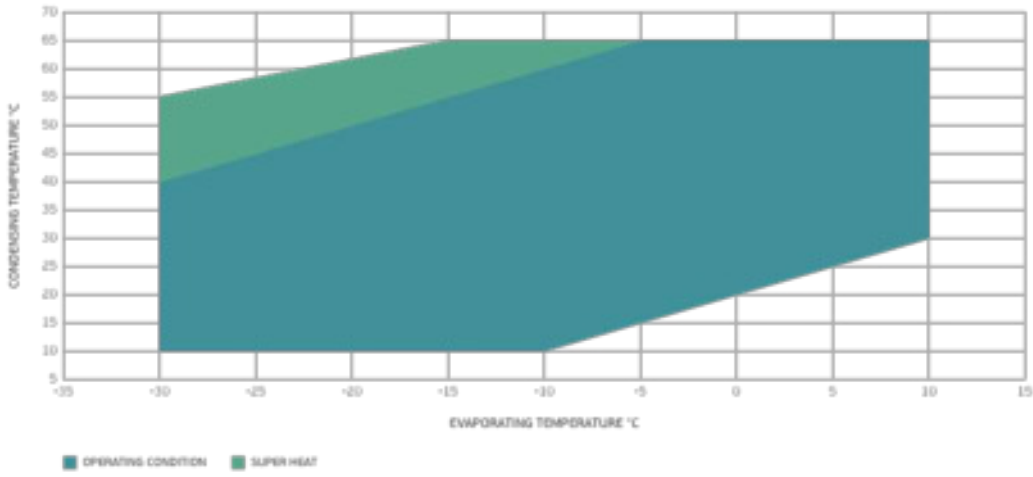
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	4517	5463	0.83
-25	5811	5786	1
-20	7207	6100	1.18
-15	8758	6402	1.37
-10	10520	6688	1.57
-5	12547	6958	1.8
0	14894	7209	2.07
5	17615	7438	2.37
10	20764	7643	2.72

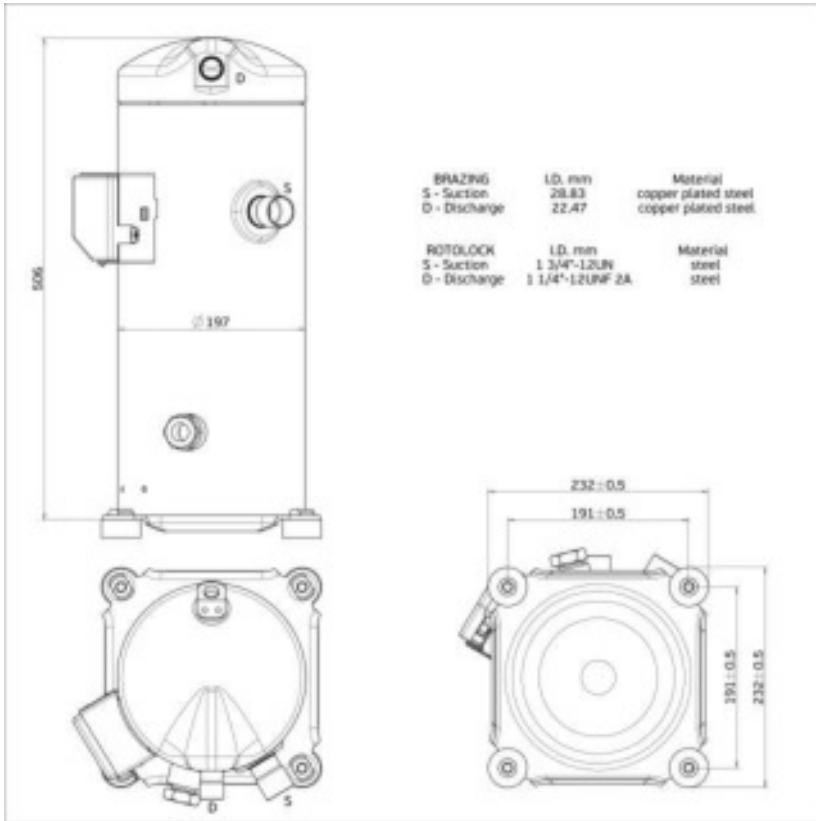
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

