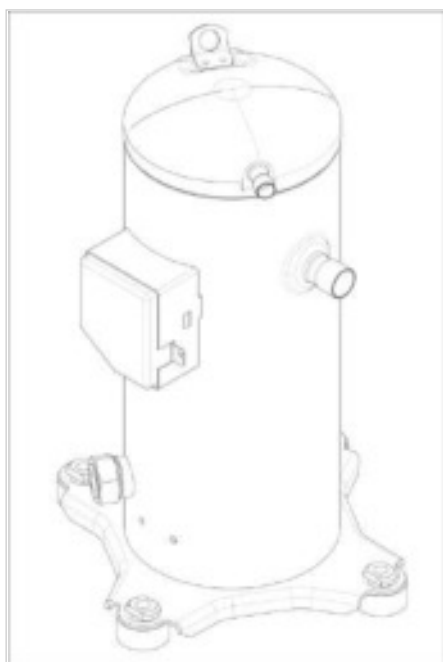


MODEL

SE6015GK-C

embraco

**APPROVALS****ENGINEERING CODE**

301AC1104AC

**APPROVED REFRIGERANT**

R-404A

**POWER SUPPLY**

220 V 50 Hz

**STANDARD CONDITIONS**

EN12900

**APPLICATION**

MBP

**COOLING CAPACITY**

3687 W

**EFFICIENCY**

1.94 W/W

**MOTOR TYPE**

SCRL

DATA**General Data**

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	5.8 m³/h (33.3 cm³/rev)
Compressor Cooling	Static
Horse Power	2 hp
Power Supply	220 V 50 Hz

Electrical Data

Motor type	SCRL
Pole	2
Voltage working range at 50 Hz	198-242 V
Maximum Motor Temperature	130 °C
Start Winding Resistance	1.4 Ω at 25° C
Run Winding Resistance	0.7 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

Mechanical Data

Maximum Recommended Refrigerant Charge	2.8 Kg
Oil Type	POE 32
Oil Initial Volume	1.4 L
Oil Recharge Volume	1.25 L
Oil Circulation	<1 %
Weight	33.5 Kg
Free Internal Volume Low	3.6 L
Free Internal Volume High	1 L

Electrical Components

Description	
Starting Device	Potential Relay HLR3800-3E3D
Motor Protection	Internal Protector
Start Capacitor	160 uF (330V)
Run Capacitor	60 uF (450V)
CSR Box	yes

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
3687 W	1897 W	1.94 W/W	8.5 A	76 A	16.2 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	1900	1309	1.45
-25	2359	1379	1.71
-20	2892	1451	1.99
-15	3515	1523	2.31
-10	4244	1595	2.66
-5	5094	1666	3.06
0	6083	1736	3.5
5	7224	1804	4.01
10	8536	1868	4.57

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	1642	1553	1.06
-25	2060	1641	1.25
-20	2529	1729	1.46
-15	3066	1814	1.69
-10	3687	1897	1.94
-5	4407	1977	2.23
0	5243	2052	2.55
5	6209	2123	2.92
10	7323	2188	3.35

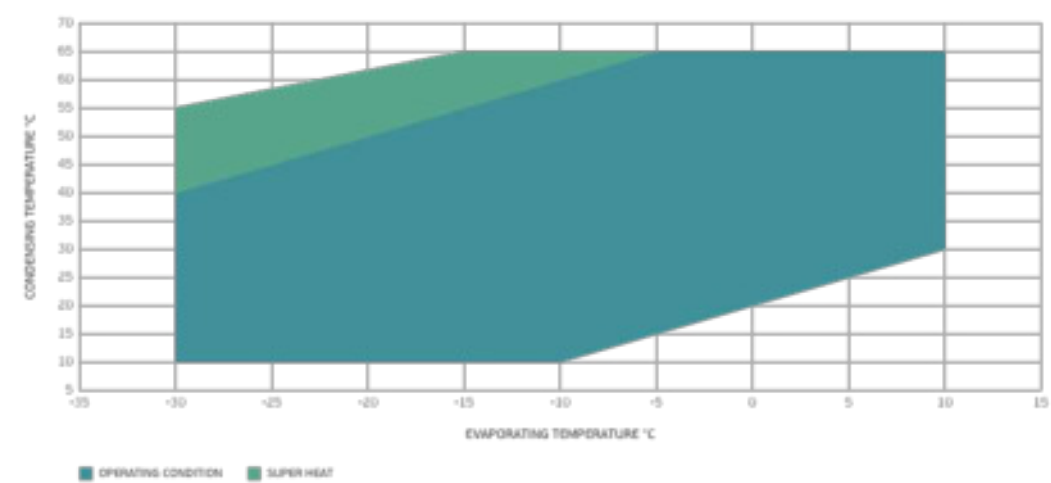
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	1314	1848	0.71
-25	1690	1957	0.86
-20	2096	2063	1.02
-15	2547	2165	1.18
-10	3060	2262	1.35
-5	3649	2353	1.55
0	4332	2438	1.78
5	5123	2516	2.04
10	6039	2585	2.34

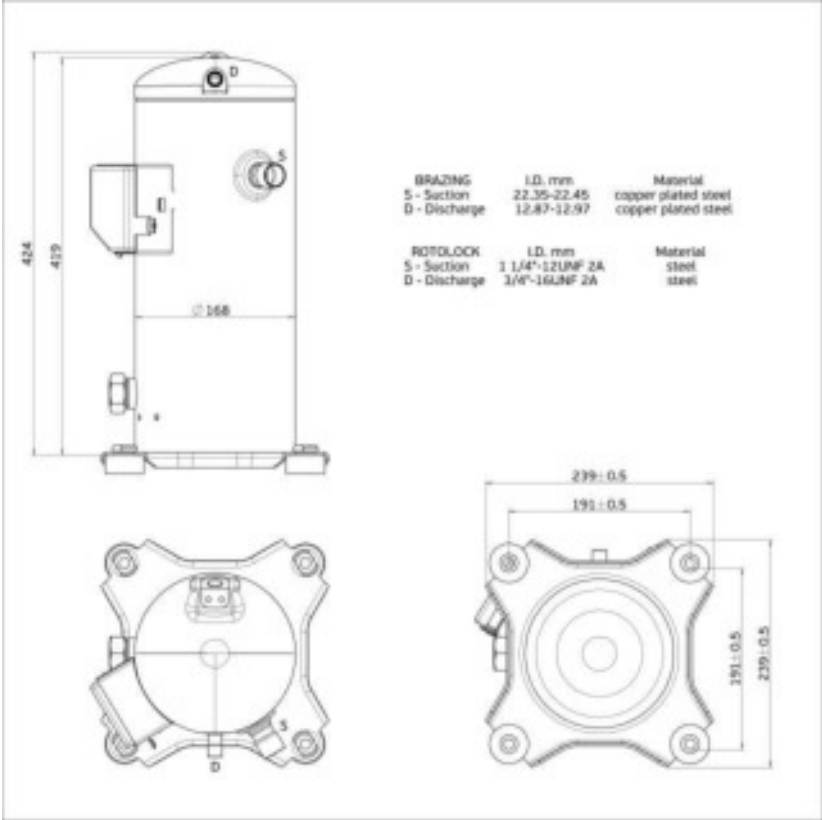
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

