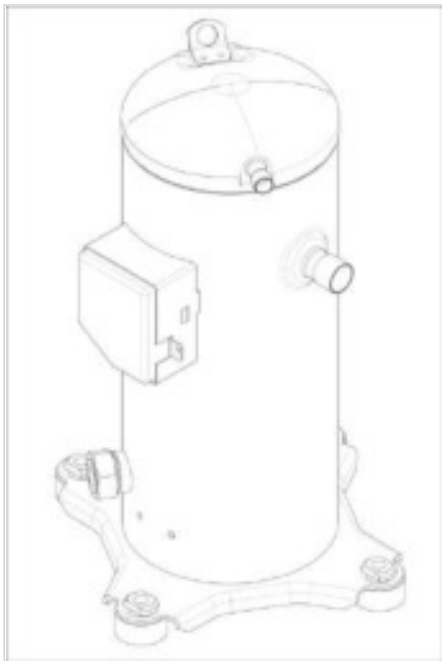


MODEL

SE6026GK-C

embraco



ENGINEERING CODE

301GC1104AC



APPROVED REFRIGERANT

R-404A



POWER SUPPLY

220 V 50 Hz



STANDARD CONDITIONS

EN12900



APPLICATION

MBP



COOLING CAPACITY

6318 W



EFFICIENCY

2.1 W/W



MOTOR TYPE

SCRL

APPROVALS



DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	10.1 m³/h (58 cm³/rev)
Compressor Cooling	Static
Horse Power	3 1/2 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	1.3 Ω at 25° C
Run Winding Resistance	0.5 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	4.5 Kg
Oil Type	POE 32
Oil Initial Volume	1.4 L
Oil Recharge Volume	1.25 L
Oil Circulation	<1 %
Weight	34.7 Kg
Free Internal Volume Low	3.2 L
Free Internal Volume High	1 L

Electrical Components

Description	
Motor Protection	Internal Protector
CSR Box	yes
Starting Device	Potential Relay HLR3800-3H3D
Start Capacitor	250 uF (330V)
Run Capacitor	80 uF (450V)

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
6318 W	3010 W	2.1 W/W	14.2 A	109 A	25.7 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	3256	609	5.35
-25	4042	641	6.3
-20	4955	675	7.35
-15	6023	708	8.5
-10	7272	742	9.8
-5	8729	775	11.26
0	10422	807	12.91
5	12379	839	14.76
10	14626	868	16.84

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	2814	722	3.9
-25	3529	763	4.62
-20	4334	804	5.39
-15	5254	843	6.23
-10	6318	882	7.16
-5	7552	919	8.22
0	8983	954	9.41
5	10640	987	10.78
10	12548	1018	12.33

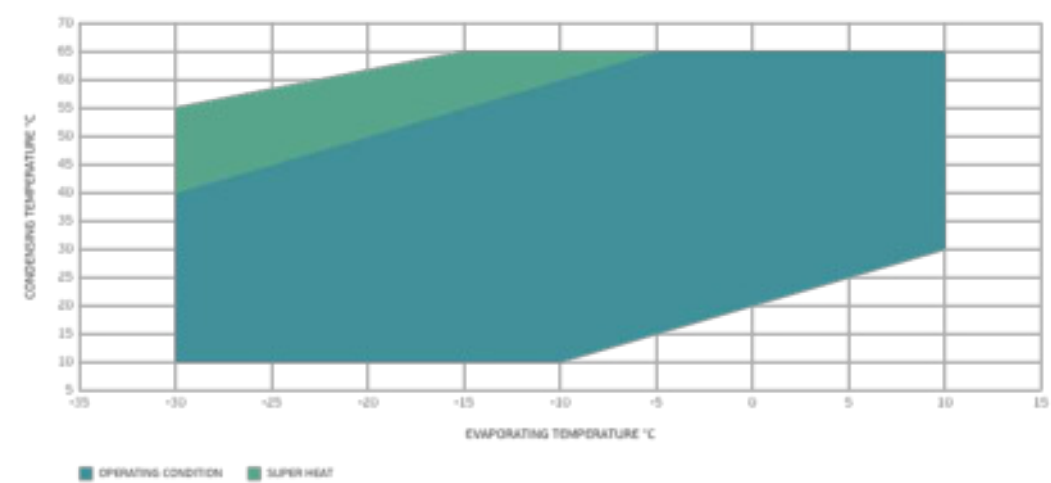
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	2251	859	2.62
-25	2896	910	3.18
-20	3592	960	3.74
-15	4365	1007	4.34
-10	5243	1052	4.98
-5	6253	1094	5.71
0	7423	1134	6.55
5	8779	1170	7.5
10	10348	1202	8.61

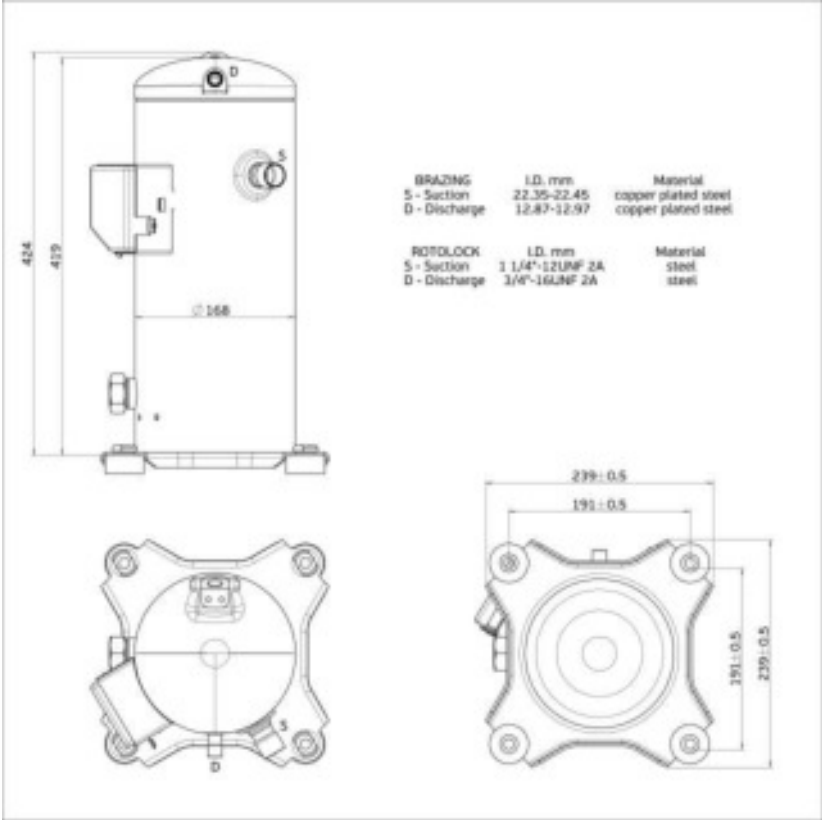
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

