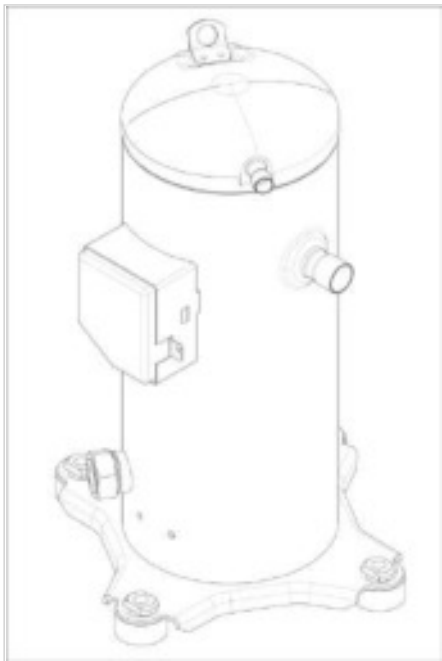


MODEL

SE6018GK-C

embraco



ENGINEERING CODE

301BC1104AC



APPROVED REFRIGERANT

R-404A



POWER SUPPLY

220 V 50 Hz



STANDARD CONDITIONS

EN12900



APPLICATION

MBP



COOLING CAPACITY

4402 W



EFFICIENCY

1.98 W/W



MOTOR TYPE

SCRL

APPROVALS



DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	7.3 m³/h (42 cm³/rev)
Compressor Cooling	Static
Horse Power	2 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	1.4 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	3.5 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
4402 W	2213 W	1.98 W/W	10.2 A	76 A	17.2 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	2269	1527	1.49
-25	2816	1609	1.75
-20	3452	1692	2.04
-15	4196	1777	2.36
-10	5066	1861	2.72
-5	6082	1944	3.13
0	7262	2026	3.58
5	8625	2104	4.1
10	10190	2179	4.68

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	1960	1812	1.08
-25	2459	1915	1.28
-20	3020	2017	1.5
-15	3661	2116	1.73
-10	4402	2213	1.99
-5	5262	2306	2.28
0	6259	2394	2.61
5	7413	2477	2.99
10	8742	2553	3.42

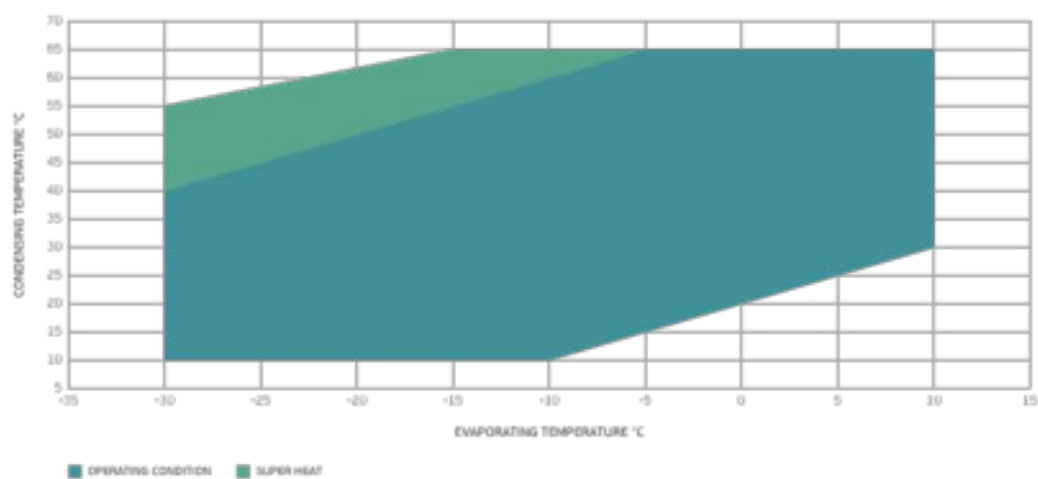
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	1568	2156	0.73
-25	2018	2283	0.88
-20	2503	2407	1.04
-15	3041	2526	1.2
-10	3653	2639	1.38
-5	4357	2746	1.59
0	5172	2845	1.82
5	6116	2935	2.08
10	7210	3016	2.39

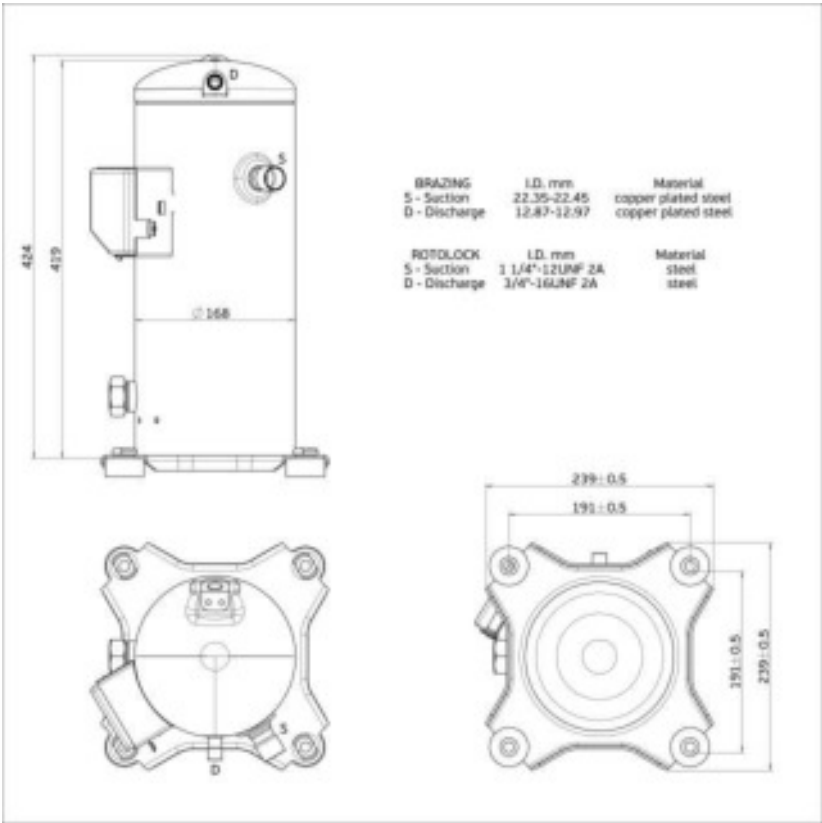
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

