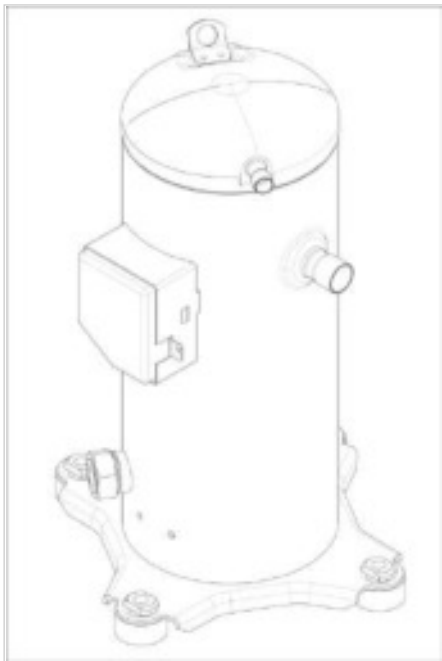


MODEL

SE6030GK-C

embraco



ENGINEERING CODE

301DC1104AC



APPROVED REFRIGERANT

R-404A



POWER SUPPLY

220 V 50 Hz



STANDARD CONDITIONS

EN12900



APPLICATION

MBP



COOLING CAPACITY

7167 W



EFFICIENCY

2.17 W/W



MOTOR TYPE

SCRL

APPROVALS



DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	11.8 m ³ /h (67.8 cm ³ /rev)
Compressor Cooling	Static
Horse Power	4 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
7167 W	3300 W	2.17 W/W	15.5 A	109 A	28.1 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	3694	2277	1.62
-25	4585	2399	1.91
-20	5621	2523	2.23
-15	6832	2649	2.58
-10	8249	2775	2.97
-5	9903	2899	3.42
0	11824	3020	3.91
5	14043	3137	4.48
10	16592	3249	5.11

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	3192	2702	1.18
-25	4004	2855	1.4
-20	4917	3007	1.64
-15	5960	3155	1.89
-10	7167	3300	2.17
-5	8567	3438	2.49
0	10191	3570	2.85
5	12070	3693	3.27
10	14234	3806	3.74

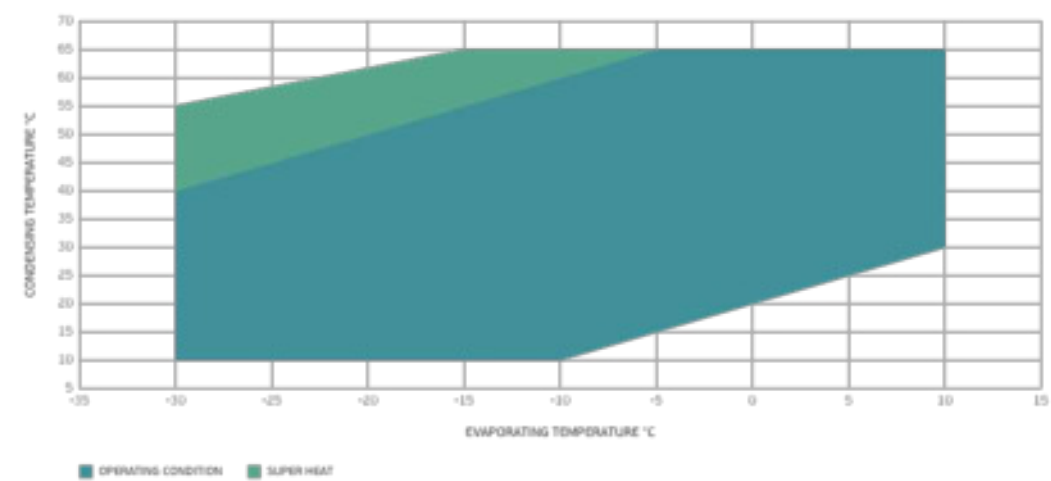
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	2554	3214	0.79
-25	3286	3404	0.97
-20	4075	3589	1.14
-15	4952	3766	1.31
-10	5948	3935	1.51
-5	7094	4094	1.73
0	8421	4241	1.99
5	9959	4376	2.28
10	11739	4497	2.61

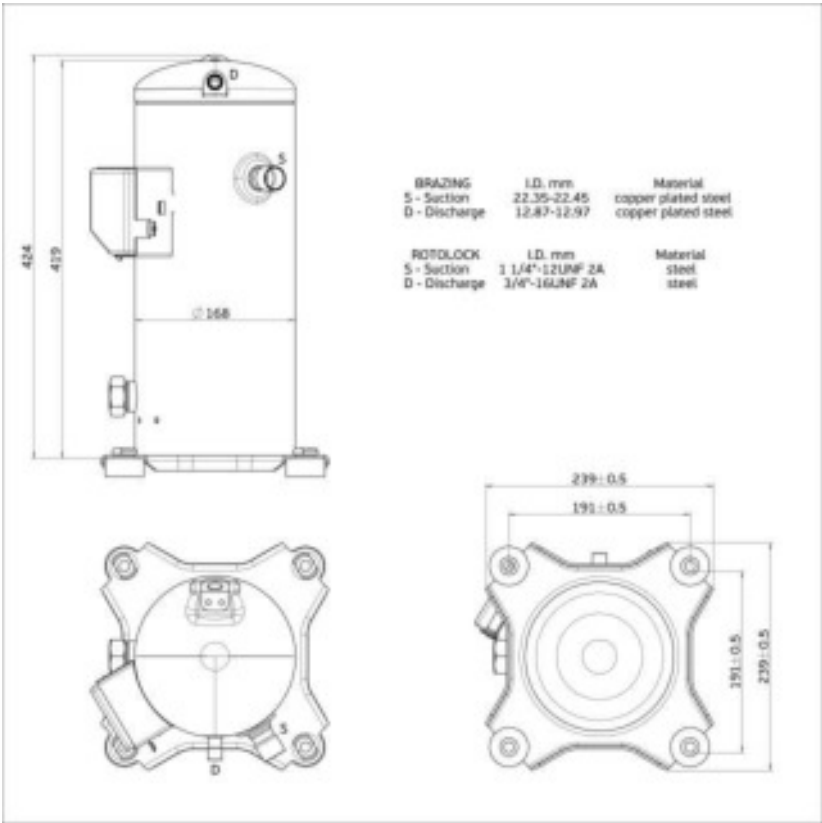
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

