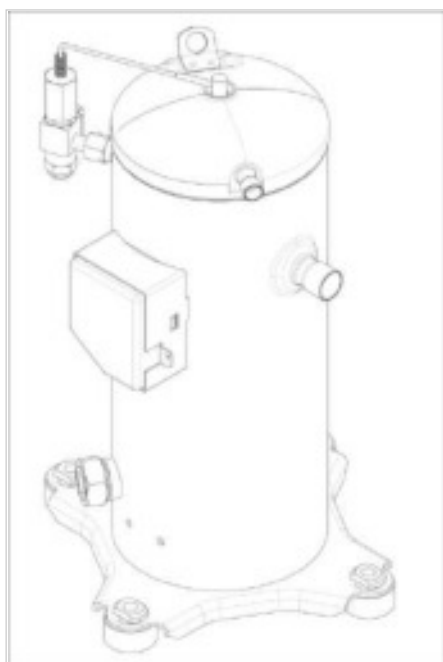


MODEL

SE2017GS-O

embraco



APPROVALS



ENGINEERING CODE

303EO1201AC



APPROVED REFRIGERANT

R-404A



POWER SUPPLY

380 V 50 Hz



STANDARD CONDITIONS

EN12900



APPLICATION

LBP



COOLING CAPACITY

3393 W



EFFICIENCY

1.24 W/W



MOTOR TYPE

SCRL

DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	14.5 m ³ /h (83.3 cm ³ /rev)
Compressor Cooling	Static
Horse Power	5 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	2.45 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	4.5 Kg
Oil Type	POE 32
Oil Initial Volume	1.4 L
Oil Recharge Volume	1.25 L
Oil Circulation	<1 %
Weight	32.7 Kg
Free Internal Volume Low	3.6 L
Free Internal Volume High	1 L

Electrical Components

Description	
Motor Protection	Internal Protector

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
3393 W	2729 W	1.24 W/W	6.3 A	60 A	10.3 A	73 dBA

Test Condition: EN12900: Te -35°C; Tc 40°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
-40	2903	2372	1.22
-35	3639	2509	1.45
-30	4539	2654	1.71
-25	5614	2807	2
-20	6874	2966	2.32
-15	8327	3132	2.66
-10	9983	3303	3.02
-5	11853	3478	3.41
0	13945	3657	3.81

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

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-40	2503	2844	0.88
-35	3138	2991	1.05
-30	3913	3147	1.24
-25	4837	3313	1.46
-20	5920	3486	1.7
-15	7172	3667	1.96
-10	8603	3854	2.23
-5	10221	4047	2.53
0	12037	4245	2.84

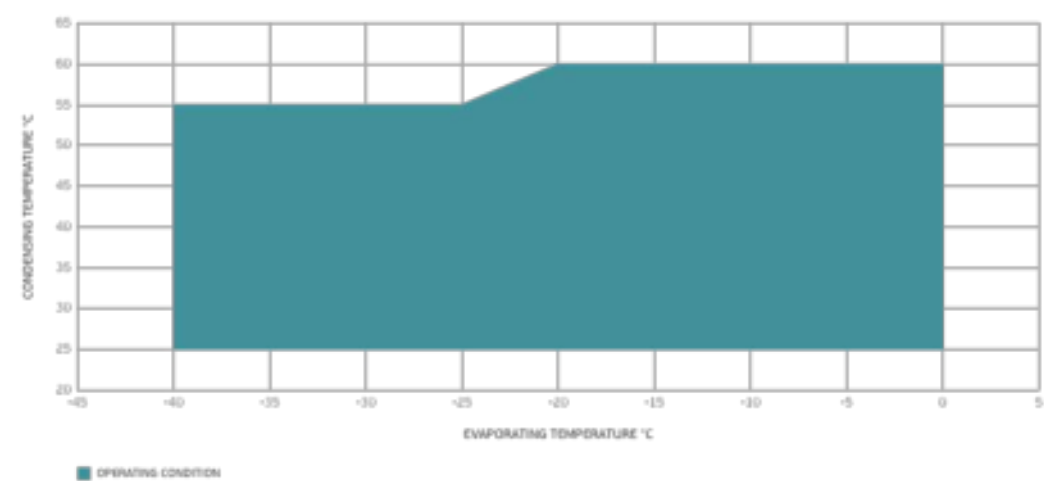
Test Condition: EN12900, Static, LBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-40	2152	3581	0.6
-35	2656	3728	0.71
-30	3274	3885	0.84
-25	4016	4053	0.99
-20	4893	4230	1.16
-15	5913	4416	1.34
-10	7086	4610	1.54
-5	8423	4810	1.75
0	9932	5017	1.98

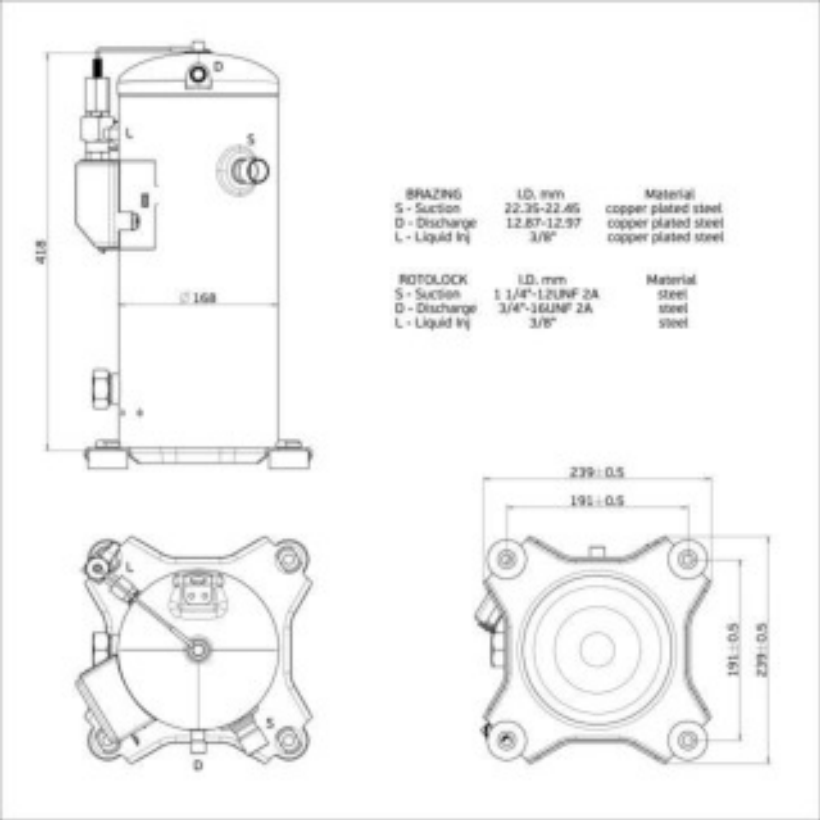
Test Condition: EN12900, Static, LBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



The envelope presented is related to R404A/R452A/R449A. For others, please contact our technical support.

External Dimensions



Wiring Diagram

