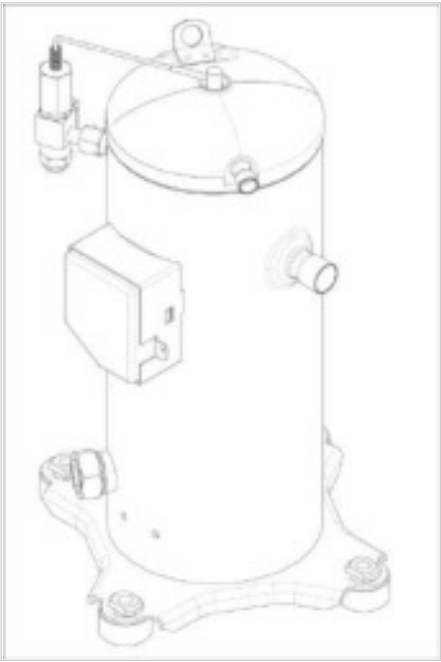




APPROVALS



- **ENGINEERING CODE**
303FO1201AC
- **APPROVED REFRIGERANT**
R-404A
- **POWER SUPPLY**
380 V 50 Hz
- **STANDARD CONDITIONS**
EN12900
- **APPLICATION**
LBP
- **COOLING CAPACITY**
3974 W
- **EFFICIENCY**
1.25 W/W
- **MOTOR TYPE**
SCRL

DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	17.1 m³/h (98.3 cm³/rev)
Compressor Cooling	Static
Horse Power	6 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	1.9 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	5.5 Kg
Oil Type	POE 32
Oil Initial Volume	1.4 L
Oil Recharge Volume	1.25 L
Oil Circulation	<1 %
Weight	34.1 Kg
Free Internal Volume Low	3.2 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
3974 W	3172 W	1.25 W/W	6.9 A	65 A	12.1 A	74 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	3401	2757	1.23
-35	4263	2916	1.46
-30	5318	3085	1.72
-25	6577	3262	2.02
-20	8052	3448	2.34
-15	9754	3641	2.68
-10	11694	3839	3.05
-5	13885	4043	3.43
0	16335	4251	3.84

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	2932	3306	0.89
-35	3676	3476	1.06
-30	4583	3658	1.25
-25	5666	3850	1.47
-20	6935	4052	1.71
-15	8402	4262	1.97
-10	10077	4480	2.25
-5	11973	4704	2.55
0	14101	4934	2.86

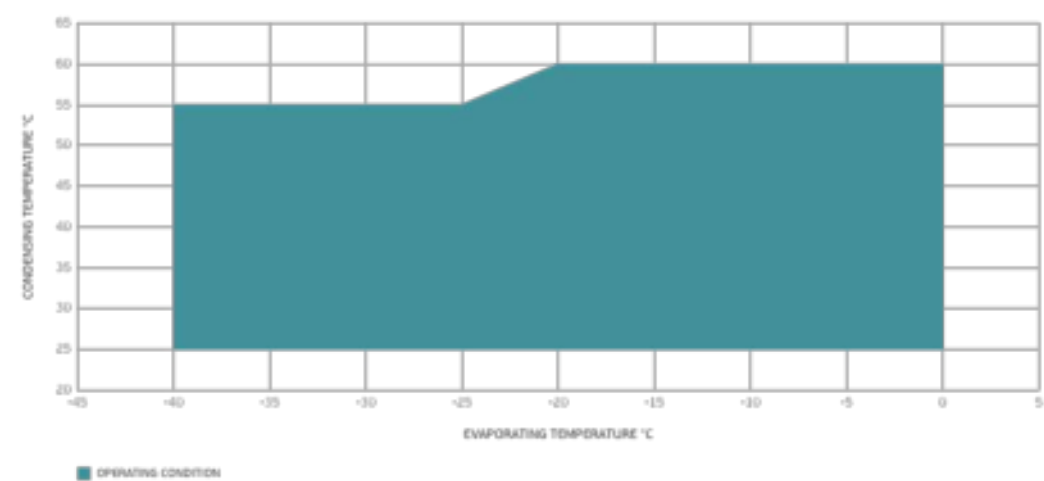
Test Condition: EN12900, Static, LBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-40	2521	4162	0.61
-35	3111	4333	0.72
-30	3835	4516	0.85
-25	4704	4711	1
-20	5731	4917	1.17
-15	6926	5133	1.35
-10	8301	5358	1.55
-5	9867	5591	1.76
0	11635	5832	2

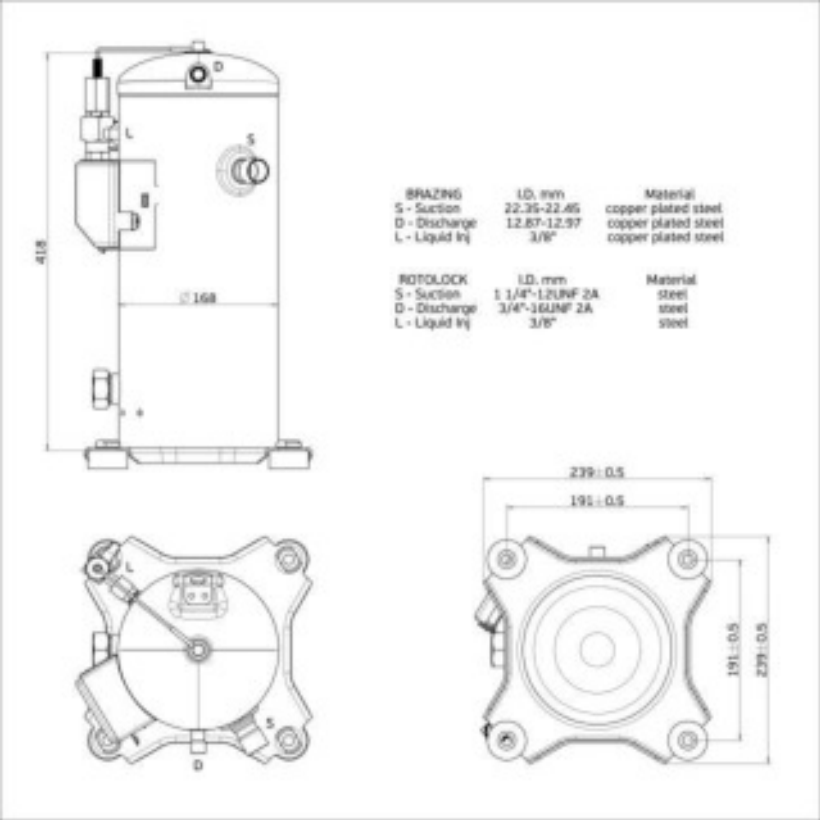
Test Condition: EN12900, Static, LBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

