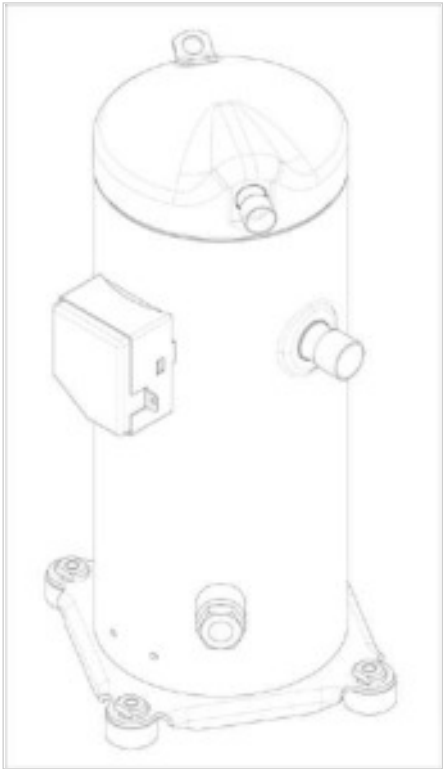




- ENGINEERING CODE**
302CO1401AB
- COOLING CAPACITY**
16408 W
- APPROVED REFRIGERANT**
R-404A
- EFFICIENCY**
2.26 W/W
- POWER SUPPLY**
380 V 50 Hz
- MOTOR TYPE**
SCRL
- STANDARD CONDITIONS**
EN12900
- APPLICATION**
MBP

APPROVALS



DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	25.3 m³/h (145.4 cm³/rev)
Compressor Cooling	Static
Horse Power	9 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	1.09 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	8 Kg
Oil Type	POE 32
Oil Initial Volume	2.7 L
Oil Recharge Volume	2.6 L
Oil Circulation	<1 %
Weight	54.1 Kg
Free Internal Volume Low	6.5 L
Free Internal Volume High	0.9 L

Electrical Components

Description	
Motor Protection	Internal Protector

External Characteristics

Base Plate Holes		191x191	
Base Plate Dimensions		232x232	
Height		506 mm	
Diameter		197 mm	
Hanger Tab		1	
Oil Side Glass		1	
Connector	Internal Diameter	Material	Shape
Suction	1 3/4"-12UN	Copper plated steel tube	Rotolock
Discharge	1 1/4"-12 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
16408 W	7259 W	2.26 W/W	13.1 A	117 A	21 A	76 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	8456	5009	1.69
-25	10498	5277	1.99
-20	12869	5551	2.32
-15	15641	5828	2.68
-10	18885	6104	3.09
-5	22670	6377	3.55
0	27068	6644	4.07
5	32149	6902	4.66
10	37984	7147	5.31

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	7307	5943	1.23
-25	9166	6281	1.46
-20	11255	6615	1.7
-15	13646	6942	1.97
-10	16408	7259	2.26
-5	19612	7564	2.59
0	23330	7853	2.97
5	27631	8124	3.4
10	32587	8373	3.89

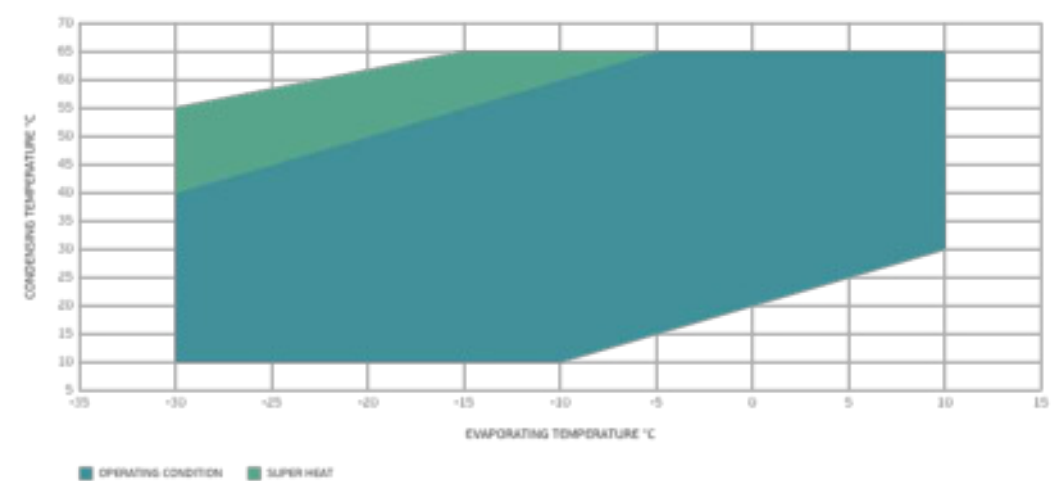
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	5846	7070	0.83
-25	7521	7489	1
-20	9328	7895	1.18
-15	11336	8285	1.37
-10	13616	8656	1.57
-5	16240	9006	1.8
0	19277	9330	2.07
5	22798	9627	2.37
10	26875	9892	2.72

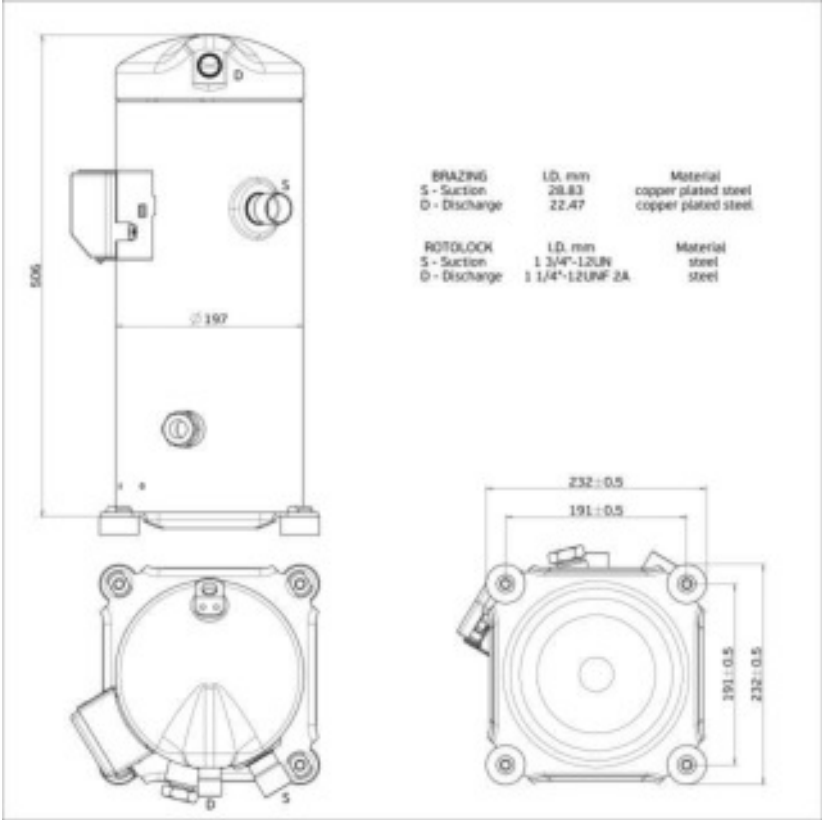
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

