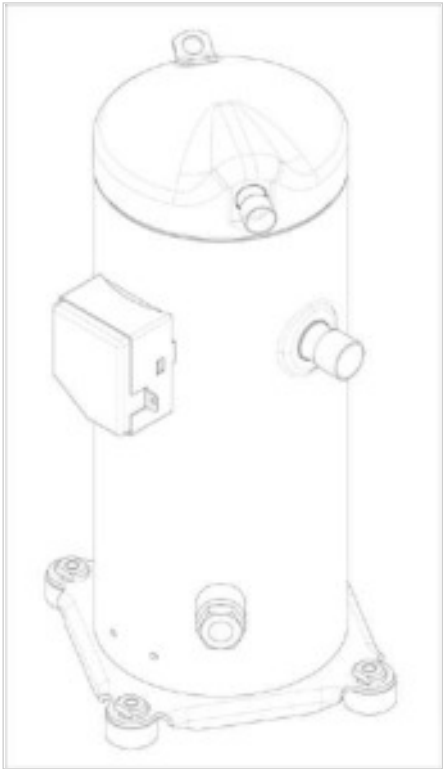




- ENGINEERING CODE**
302EO1401AB
- COOLING CAPACITY**
20234 W
- APPROVED REFRIGERANT**
R-404A
- EFFICIENCY**
2.28 W/W
- POWER SUPPLY**
380 V 50 Hz
- MOTOR TYPE**
SCRL
- STANDARD CONDITIONS**
EN12900
- APPLICATION**
MBP

APPROVALS



DATA

General Data

Type	Hermetic Scroll Compressor
Technology Type	On-Off
Displacement (Swept Volume)	32.9 m³/h (189.1 cm³/rev)
Compressor Cooling	Static
Horse Power	12 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	1.06 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	10.5 Kg
Oil Type	POE 32
Oil Initial Volume	2.7 L
Oil Recharge Volume	2.6 L
Oil Circulation	<1 %
Weight	55.3 Kg
Free Internal Volume Low	6.3 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
20234 W	8863 W	2.28 W/W	15.2 A	121 A	26.5 A	77 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	10428	6116	1.71
-25	12946	6443	2.01
-20	15870	6778	2.34
-15	19288	7115	2.71
-10	23288	7453	3.12
-5	27956	7786	3.59
0	33380	8112	4.11
5	39645	8426	4.7
10	46841	8726	5.37

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	9011	7256	1.24
-25	11303	7668	1.47
-20	13880	8076	1.72
-15	16828	8476	1.99
-10	20234	8863	2.28
-5	24185	9235	2.62
0	28770	9589	3
5	34074	9919	3.44
10	40186	10223	3.93

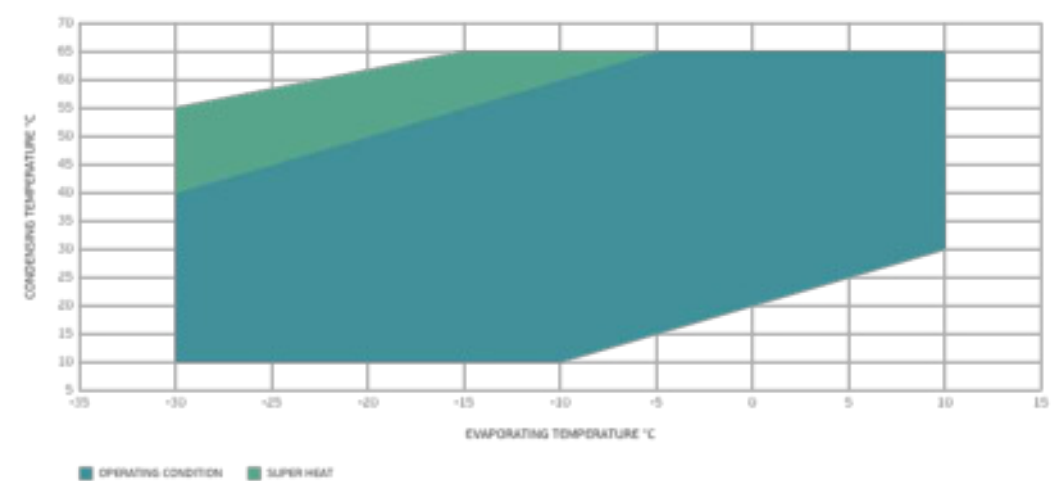
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Efficiency W/W
-30	7209	8632	0.84
-25	9275	9144	1.01
-20	11503	9640	1.19
-15	13979	10116	1.38
-10	16792	10569	1.59
-5	20027	10996	1.82
0	23772	11392	2.09
5	28114	11754	2.39
10	33141	12078	2.74

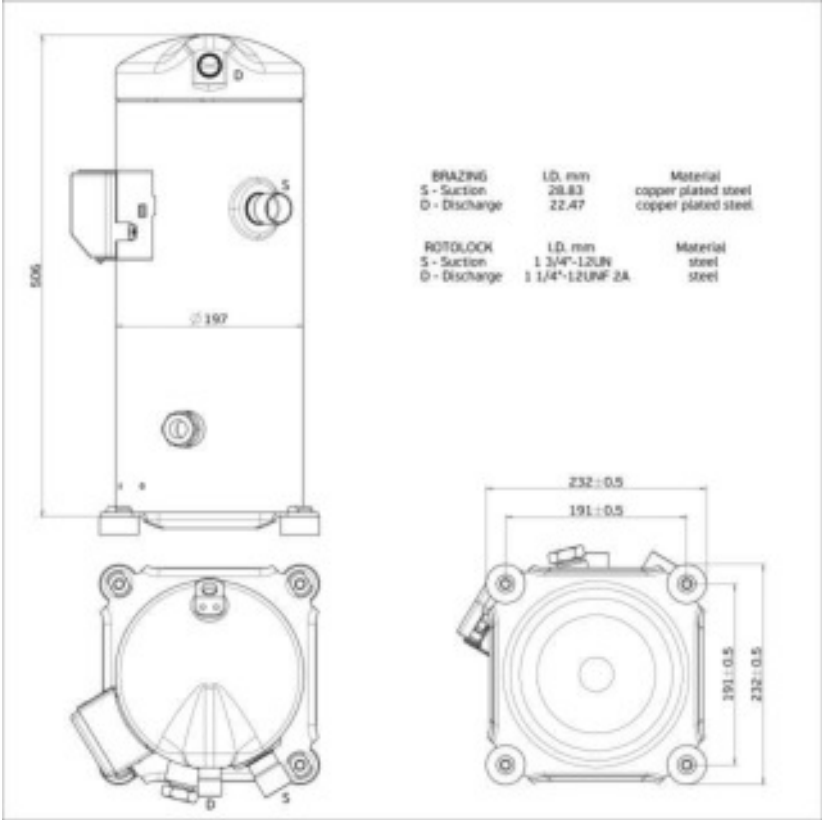
Test Condition: EN12900, Static, MBP. Data in accordance to EN12900 guideline polynomial curve.

Operating Envelope



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

External Dimensions



Wiring Diagram

