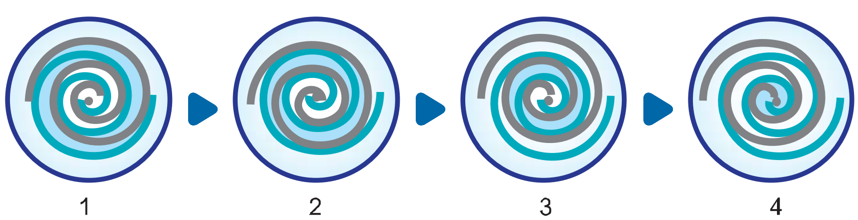
# OIL FREE SCROLL AIR COMPRESSOR

## Features and advantages

Mute, clean, energy saving and efficient.
100% oil free (class 0).
Delivers 11-15% more air compared to similar designs with no additional power.
Better in durability and longevity.


## Working principle

The turbine rotor turns in sequence of Picture 1→2→3→4, air is sucked into the space between turbine stator and turbine rotor, the volume of crescent-shaped(in point symmetry)compression chamber gradually decreases, compressed air is discharged through air outlet of central portion.




Turbine rotor   Turbine stator   Compression chamber

GREAiR

# Technical parameters

| Type | Maximum working pressure | | Capacity FAD* 50 Hz | | Capacity FAD* 60 Hz | | Installed motor power | | No of air end | Air outlet pipe diameter | Noise Level** | Dimensions(mm) | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | bar(g) | psig | $m^3$/min | cfm | $m^3$/min | cfm | kW | hp | Units | inch | [dB(A)] | L | W | H | kg |
| GA-SRL2.2 | 7.0 | 102 | 0.25 | 9 | 0.24 | 8 | 2.2 | 3 | 1 | Rc1/2” | 65 | 775 | 500 | 838 | 230 |
| | 8.0 | 116 | 0.24 | 9 | 0.23 | 8 | 2.2 | 3 | | Rc1/2” | 65 | 775 | 500 | 838 | 230 |
| | 10.0 | 145 | 0.22 | 8 | 0.21 | 7 | 2.2 | 3 | | Rc1/2” | 65 | 775 | 500 | 838 | 230 |
| GA-SRL3.7 | 7.0 | 102 | 0.40 | 14 | 0.43 | 15 | 3.7 | 5 | 1 | Rc1/2” | 65 | 775 | 500 | 838 | 230 |
| | 8.0 | 116 | 0.39 | 14 | 0.40 | 14 | 3.7 | 5 | | Rc1/2” | 65 | 775 | 500 | 838 | 230 |
| | 10.0 | 145 | 0.37 | 13 | 0.37 | 13 | 3.7 | 5 | | Rc1/2” | 65 | 775 | 500 | 838 | 230 |
| GA-SRL5.5 | 7.0 | 102 | 0.59 | 21 | 0.47 | 16 | 5.5 | 7.5 | 2 | Rc1” | 68 | 890 | 600 | 930 | 360 |
| | 8.0 | 116 | 0.59 | 21 | 0.46 | 16 | 5.5 | 7.5 | | Rc1” | 68 | 890 | 600 | 930 | 360 |
| | 10.0 | 145 | 0.54 | 19 | 0.42 | 15 | 5.5 | 7.5 | | Rc1” | 68 | 890 | 600 | 930 | 360 |
| GA-SRL7.5 | 7.0 | 102 | 0.80 | 28 | 0.86 | 30 | 7.5 | 10 | 2 | Rc1” | 68 | 1150 | 760 | 1020 | 360 |
| | 8.0 | 116 | 0.78 | 28 | 0.80 | 28 | 7.5 | 10 | | Rc1” | 68 | 1150 | 760 | 1020 | 360 |
| | 10.0 | 145 | 0.74 | 26 | 0.74 | 26 | 7.5 | 10 | | Rc1” | 68 | 1150 | 760 | 1020 | 360 |
| GA-SRL11 | 7.0 | 102 | 1.17 | 41 | 1.26 | 44 | 11 | 15 | 3 | Rc1” | 70 | 1100 | 800 | 1100 | 485 |
| | 8.0 | 116 | 1.17 | 41 | 1.20 | 42 | 11 | 15 | | Rc1” | 70 | 1100 | 800 | 1100 | 485 |
| | 10.0 | 145 | 1.07 | 38 | 1.10 | 39 | 11 | 15 | | Rc1” | 70 | 1100 | 800 | 1100 | 485 |
| GA-SRL16 | 7.0 | 102 | 1.76 | 62 | 1.73 | 61 | 16 | 20 | 4 | Rc1” | 70 | 1250 | 900 | 1700 | 750 |
| | 8.0 | 116 | 1.76 | 62 | 1.61 | 57 | 16 | 20 | | Rc1” | 70 | 1250 | 900 | 1700 | 750 |
| | 10.0 | 145 | 1.61 | 57 | 1.47 | 52 | 16 | 20 | | Rc1” | 70 | 1250 | 900 | 1700 | 750 |
| GA-SRL18.5 | 7.0 | 102 | 2.00 | 71 | 2.07 | 73 | 18.5 | 25 | 5 | Rc1” | 72 | 1800 | 1100 | 1320 | 700 |
| | 8.0 | 116 | 1.95 | 69 | 1.97 | 70 | 18.5 | 25 | | Rc1” | 72 | 1800 | 1100 | 1320 | 700 |
| | 10.0 | 145 | 1.84 | 65 | 1.81 | 64 | 18.5 | 25 | | Rc1” | 72 | 1800 | 1100 | 1320 | 700 |
| GA-SRL22 | 7.0 | 102 | 2.35 | 83 | 2.53 | 89 | 22 | 30 | 6 | Rc1” | 72 | 1250 | 900 | 1920 | 800 |
| | 8.0 | 116 | 2.35 | 83 | 2.41 | 85 | 22 | 30 | | Rc1” | 72 | 1250 | 900 | 1920 | 800 |
| | 10.0 | 145 | 2.15 | 76 | 2.21 | 78 | 22 | 30 | | Rc1” | 72 | 1250 | 900 | 1920 | 800 |
| GA-SRL30 | 7.0 | 102 | 3.20 | 113 | 3.44 | 121 | 30 | 40 | 8 | Rc1-1/4” | 75 | 1800 | 1100 | 1820 | 1100 |
| | 8.0 | 116 | 3.12 | 110 | 3.28 | 116 | 30 | 40 | | Rc1-1/4” | 75 | 1800 | 1100 | 1820 | 1100 |
| | 10.0 | 145 | 2.95 | 104 | 3.01 | 106 | 30 | 40 | | Rc1-1/4” | 75 | 1800 | 1100 | 1820 | 1100 |
| GA-SRL37 | 7.0 | 102 | 4.00 | 141 | 4.25 | 150 | 37 | 50 | 10 | Rc1-1/2” | 75 | 1800 | 1100 | 2080 | 1400 |
| | 8.0 | 116 | 3.89 | 138 | 4.05 | 143 | 37 | 50 | | Rc1-1/2” | 75 | 1800 | 1100 | 2080 | 1400 |
| | 10.0 | 145 | 3.68 | 130 | 3.72 | 131 | 37 | 50 | | Rc1-1/2” | 75 | 1800 | 1100 | 2080 | 1400 |

*) FAD in accordance with ISO 1217 : 2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C
**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance: ± 3 dB(A)
***Specifications are subject to change without notice.***