



Cyclone Silent

High-pressure breathing-air vertical charging sets

The Cyclone Silent high pressure breathing air charging set, has a vertical design which saves space and offers easy access for maintenance. The soundproof design allows installation in noise sensitive locations. A digital control panel is included which allows easy control of the system and provides warning indicators and shut down facilities for various conditions – service period, filter life, overpressure etc.



| Model | Drive | Working Pressure bar | Free Air Delivery | | Motor | | Speed rpm | Dimensions (cm) | | | Weight Kg |
|-----------|-------------------|----------------------|-------------------|---------|-------|----|-----------|-----------------|-----|-----|-----------|
| | | | m ³ /h | lit/min | kW | Hp | | L | W | H | |
| Silent 24 | Three phase motor | 350 | 24 | 400 | 7.5 | 10 | 800 | 76 | 113 | 178 | 470 |
| Silent 30 | Three phase motor | 350 | 30 | 500 | 11 | 15 | 1000 | 76 | 113 | 178 | 510 |
| Silent 33 | Three phase motor | 420 | 33 | 550 | 11 | 15 | 1050 | 76 | 113 | 178 | 515 |
| Silent 36 | Three phase motor | 350 | 36 | 600 | 15 | 20 | 1200 | 76 | 113 | 178 | 530 |

Technical Specification

- Free air delivery: 400 lit/min (24m³/h) / 500 lit/min (30m³/h). 550 lit/min (33m³/h) and 600 lit/min (36m³/h)
- Max. working pressure: 350 bar (5075 psi), Silent 33 420 bar (6092 psi)
- Stages: 4
- Cylinders: 4
- Cylinder arrangement: W
- Large Intercoolers
- Large Stainless Steel Aftercooler
- Interstage Safety Valves
- Water Separators
- Compressor Speed 800 to 1200 rpm
- Transmission: V belt
- Motor (Class F, IP55): 7.5/11/15 kW - 400V - 50/60Hz
- Oil capacity: 2.8lit. synthetic compressor oil
- Max. permissible ambient temperature: +5°C to +45°C
- Max inclination of compressor: 15°

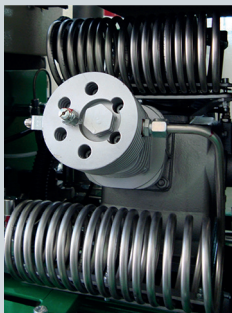
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Advanced electronic control system



Lever operated on/off valves with auto exhaust system



Large length stainless steel intercoolers - aftercoolers

Standard Equipment

- Low Oil Level and High Temperature Alarms
- Star/Delta Starter
- Fully electronic control system providing operating, controlling and servicing data
- Automatic control of Start/Stop system
- LCD display showing Filling Pressure, Cabinet Temperature and other data such as Service remaining hours warning, Recording of the last 15 malfunctions
- Pressure maintaining valve allowing for safe, efficient and extended filtration
- Emergency Stop button
- 24V secondary voltage providing safety during routine operation
- Final separator c/w non return valve (Silent 33)
- BA Filter including Coalescing Pre-filter (0.5mg/m³ oil residual) and Active Carbon / Molecular Sieve cartridge, with the supply of breathing air exceeding the requirements of EN12021 directive
- Digital pressure sensors providing emergency shutdown in case of stage overpressure
- Large fan for optimum cooling
- Four Charging Hoses (1.2m each)
- Auto Drains with manual backups
- Soundproof Enclosure with very low noise level 72 - 75 dB (A) @ 1 metre
- Condensate Dump Collection

Optional Equipment

- Dual pressure charging facility
- Additional Charging Hoses
- Remote Start/Stop - remote load / unload
- Voltage failure & phase rotation safety dence
- Interstage Pressure Gauges
- Final separator c/w non return valve (Silent 24, 30 & 36)
- Additional filtration capacity

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