

SolAIR™ Compressor

Key Features

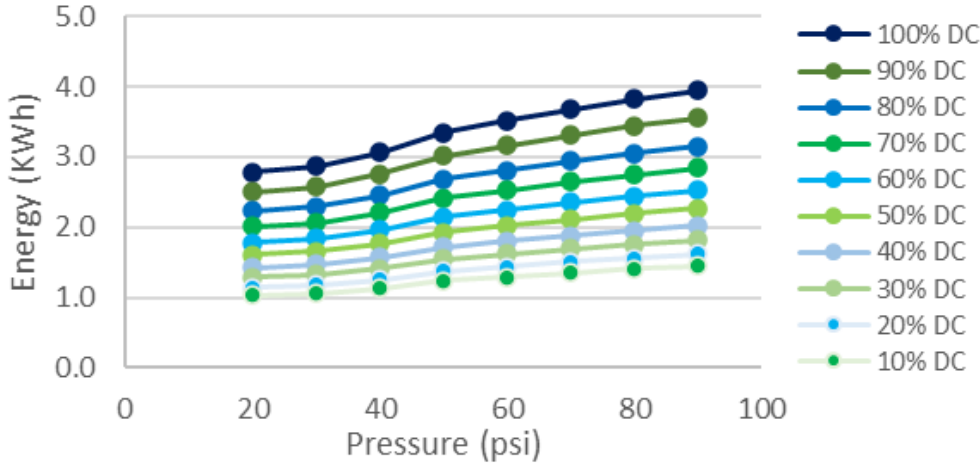
- Customizable settings to adjust pressures and motor speed. Data-logging capabilities to track runtime, duty cycle, and more
- Automation is compatible with SCADA through MODBUS connections
- Pressure range settings up to 90 PSI
- Air volumes ranging from 0 – 1.2 SCFM
- Can be mounted on the wall or on 12 Gallon ASME, 30 Gallon ASME, or CRN certified tanks
- Rated for Class 1 Division 1 Group C & D hazardous locations

PRODUCT OVERVIEW

The Trido SolAIR™ Compressor delivers reliable instrument air in a compact, energy-efficient design. With a small footprint and a maintenance-free PMAC motor, it provides steady performance for both off-grid and line power sites. Rated for Class 1 Division 1 hazardous locations, this emissions-free solution helps producers eliminate venting from pneumatic devices while maintaining precise control through its TSC-1000 controller.



Compressor Power Usage at Variable Air Pressure



MECHANICAL SPECIFICATIONS

| Parameter | Dimensions (H x W x L) | Weight |
|----------------|------------------------|---------|
| Compressor | 18.2" x 15.7" x 15.7" | 60 lbs |
| On 12 gal Tank | 33.0" x 12.6" x 27.0" | 110 lbs |
| On 30 gal Tank | 59.2" x 16.0" x 28.9" | 160 lbs |

Operating Temperature:
-40 to 40 °C

ELECTRICAL & CONTROL

| Parameter | Value |
|-------------------------|-------------------|
| Motor Type | PMAC 24V 3 Phase |
| Voltage Range | 14 to 32 VDC |
| Max Power Consumption | 15 Amps |
| Controller Type | TSC-1000, VFD 24V |
| Communication Interface | RS485 |

PERFORMANCE DATA

| Pressure (psi) | Flow Rate (SCFM) | Power Draw (W) |
|----------------|------------------|----------------|
| 20 | 1.19 | 116.1 |
| 30 | 1.11 | 119.5 |
| 40 | 0.99 | 127.9 |
| 50 | 0.89 | 139.7 |
| 60 | 0.83 | 146.4 |
| 70 | 0.74 | 153.1 |
| 80 | 0.70 | 159.2 |
| 90 | 0.59 | 164.4 |