

VERTICUS™

3, 4 AND 5-STAGE ENCLOSED HIGH PRESSURE BREATHING AIR COMPRESSORS

The days of “Breadbox” designed compressor packages are over! Step up to the BAUER VERTICUS. The updated sound attenuated cabinet is now equipped with a unique aesthetically pleasing horizontally hinged, and gas shock supported, operations panel, assuring direct and easy access to the drive belts. Vertically hinged and lift-off side maintenance access doors incorporating fast pin technology make removal of the doors a snap – no hand tools are required. The rear panel incorporates integral handles and tabbed lift off design. The front vertically hinged access door is affixed with a hex keyed latch to eliminate the accidental opening of the door while the system is operating. Sound attenuation has been incorporated on every possible panel to provide a nice and quiet operating level of approximately 72 dB (within one-meter). One package size accommodates BAUER high pressure aircooled compressors from 5 to 20 Hp motors, 50 or 60-Hz, 5000 to 6000 psig maximum operating pressure. Our ergonomic and intuitive 7” HMI enhances monitoring of system functions.

EFFECTIVE: 01/01/21

- › **PRESSURE:**
Up to 6000 PSIG
(414 BAR)
- › **CHARGING RATE:**
5 to 25 SCFM
(142 to 708 L/MIN)
- › **POWER:**
5 to 20 HP (3.7 to 15 kW)



› VERTICUS



VERTICUS
FIRE EDITION
OPTIONAL FIRE EDITION PAINT SCHEME
(SHOWN HERE)

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system with B-SECURUS
- › BAUER PLC based controller with 7" color HMI touchscreen display
- › NEMA 4 rated electrical enclosure with **UL**® listed control panel
- › Compressor low oil pressure and high temperature safety shutdowns
- › Emergency stop push button and automatic start/stop control
- › Zero loss automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor and automatic "Full" indication and compressor shutdown
- › Interstage pressure gauges (locally mounted)
- › Vertically hinged front operations panel and lift-off side maintenance access doors
- › Unique hinged front operations panel
- › Leveling feet

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- › CO monitoring system
- › B-Kool (floor mount only)
- › H₂S monitoring system with audible alarm

SYSTEM FOOTPRINT

DIMENSIONS L X W X H inches (mm)

- › 55" x 35" x 70" (1397mm x 889mm x 1778mm)

WEIGHT pounds (kg)

- › 1000 - 1400 lb (453.6 - 635 kg)

TECHNICAL DATA

| Model | Charging Rate ¹ | | Number of Stages | Motor | | FAD ² | RPM | Purification System |
|----------------------------|----------------------------|-------|------------------|-------|-----|------------------|------|---------------------|
| | SCFM | L/MIN | | HP | kW | | | |
| 5000 PSIG (345 BAR) | | | | | | | | |
| VAC8-E1 | 8.4 | 238 | 3 | 7.5 | 5.6 | 7 | 1250 | P2 B-SECURUS |
| VAC8-E3 | 8.4 | 238 | 3 | 7.5 | 5.6 | 7 | 1250 | P2 B-SECURUS |
| VAC20-E3 | 21 | 595 | 4 | 15 | 11 | 17.5 | 1300 | P5 B-SECURUS |
| VAC26-E3 | 26.4 | 748 | 4 | 20 | 15 | 22 | 1350 | P5 B-SECURUS |
| 6000 PSIG (414 BAR) | | | | | | | | |
| VAC5H-E1 | 5 | 142 | 3 | 5 | 3.7 | 4 | 1050 | P2 B-SECURUS |
| VAC5H-E3 | 5 | 142 | 3 | 5 | 3.7 | 4 | 1050 | P2 B-SECURUS |
| VAC10H-E1 | 9.7 | 275 | 4 | 7.5 | 5.6 | 8.1 | 1180 | P2 B-SECURUS |
| VAC10H-E3 | 9.7 | 275 | 4 | 7.5 | 5.6 | 8.1 | 1180 | P2 B-SECURUS |
| VAC13H-E1 | 13 | 368 | 4 | 10 | 7.5 | 10.8 | 1420 | P2 B-SECURUS |
| VAC13H-E3 | 13 | 368 | 4 | 10 | 7.5 | 10.8 | 1420 | P2 B-SECURUS |
| VAC18H-E3 | 18 | 510 | 4 | 15 | 11 | 15 | 1325 | P5 B-SECURUS |
| VAC25H-E3 | 25.2 | 714 | 5 | 20 | 15 | 21 | 1300 | P5 B-SECURUS |

1) Based on recharging an 80 cubic foot tank from 500 to 3000 psig.

2) Compressor capacity referenced to standard inlet conditions.

E1= Single phase electric, 230 VAC/60 Hz. E3=Three phase electric, 208/230/460 VAC/60 Hz. Other voltages available on request. Dimensions and weight are approximate and are subject to change.

OPTIONAL ACCESSORIES - VERTICUS

| Item | Description | Part Number |
|------|--|-------------|
| 0001 | Electronic carbon monoxide monitor complete with calibration kit wired for alarm and shutdown (calibration gas included) | GT/CO/III |
| 0002 | Fire Edition paint scheme | |
| 0003 | B-VIRUS FREE | |



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