

# VERTECON®

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

BAUER's VERTECON® series of high-pressure breathing air compressor systems have been an industry leader for many years. We combined the simplistic platform with an economical design, featuring the latest BAUER technological enhancements. The series now features an integral base that eliminates the guesswork of product placement, ensuring the system has been installed correctly for system ventilation and maintenance accessibility. A refreshed HMI operations panel and electrical control system allow you to tailor the system to your specific requirements. When simple is what you want, look to BAUER.

- › **PRESSURE:**  
Up to 6000 PSIG  
(414 BAR)
- › **CHARGING RATE:**  
5 to 26.4 SCFM  
(142 to 748 L/MIN)
- › **POWER:**  
5 to 20 HP (3.7 to 15 kW)



› VERTECON

## STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system
- › Open vertical cabinet made of formed sheet and plate goods provide a firm foundation for all pressure bearing components
- › Modern design with unsurpassed maintenance accessibility (no hand tools are required for normal maintenance checks and fluid level confirmation)
- › BAUER PLC based controller with 7" color HMI touchscreen display
- › Belt adjustment tool
- › NEMA 4 rated electrical enclosure with UL® listed control panel
- › All wiring harnesses incorporated within a corrugated loom with number coding for easy system diagnosis
- › Emergency stop push button
- › .049 wall thickness stainless steel tubing throughout; no cheap plastic tubing
- › Rugged powder coat finish
- › Zero loss automatic condensate drain system
- › Interstage pressure gauges (locally mounted)
- › Compressor on/off, final pressure, oil pressure and high-temperature shutdown
- › Motor overload indication
- › Final separator counter with shutdown and operator indication
- › Unique integrated positioning base which ensures correct installation every time

## AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- › BAUER Gas-Tek™ CO monitoring system
- › B-SECURUS - Electronic moisture monitoring for the purification system
- › B-Kool (floor mount only)
- › H<sub>2</sub>S monitoring system with audible alarm

## SYSTEM FOOTPRINT

### VEC05 - VEC13:

**DIMENSIONS L X W X H inches (mm)**

› 54" x 34" x 56" (1372.6mm x 863.6mm x 1422.4mm)

**› WEIGHT pounds (kg)**

› 800 - 900 lb (363 - 408.2 kg)

### VEC18 - VEC26:

**DIMENSIONS L X W X H inches (mm)**

› 54" x 34" x 63" (1372.6mm x 863.6mm x 1600.2mm)

**› WEIGHT pounds (kg)**

› 1200 - 1300 lb (544.3 - 589.7 kg)

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## TECHNICAL DATA

Model	Charging Rate <sup>1</sup>		Number of Stages	Motor		FAD <sup>2</sup>	RPM	Purification System
	SCFM	L/MIN		HP	kW			
<b>5000 PSIG (345 BAR)</b>								
VEC08-E1/E3	8.4	238	3	7.5	5.6	7	1250	P31
VEC20-E3	21	595	4	15	11	17.5	1300	P5
VEC26-E3	26.4	748	4	20	15	22	1350	P5
<b>6000 PSIG (414 BAR)</b>								
VEC05-E1/E3	5	142	3	5	3.7	4	1050	P2
VEC10-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	P2
VEC13-E1/E3	13	368	4	10	7.5	10.8	1420	P2
VEC18-E3	18	510	4	15	11	15	1325	P5
VEC25-E3	25.2	714	5	20	15	21	1300	P5

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.