

# VERTECON®

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

Introducing the VERTECON series of high pressure breathing air compressors from the world leader in safe, high pressure breathing air systems. Why buy a dressed up old compressor and cabinetry technology? Buy BAUER and get the latest technological advancements. The VERTECON design is economical, space saving and allows easy access for routine maintenance.

**› 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 four line text display
- › Self adjusting drive belt tensioner
- › 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
- › Automatic condensate drain system
- › Interstage pressure gauges (locally mounted)

## PLC CONTROLLER

- › Compressor on/off, final pressure, oil pressure and high temperature shutdown
- › Motor overload indication
- › Final separator counter with shutdown and operator indication

## 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>								
VTC08-E1/E3	8.4	238	3	7.5	5.6	7	1250	P31
VTC20-E3	21	595	4	15	11	17.5	1300	P5
VTC26-E3	26.4	748	4	20	15	22	1350	P5
<b>6000 PSIG (414 BAR)</b>								
VTC05-E1/E3	5	142	3	5	3.7	4	1050	P2
VTC10-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	P2
VTC13-E1/E3	13	368	4	10	7.5	10.8	1420	P2
VTC18-E3	18	510	4	15	11	15	1325	P5
VTC25-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.

## AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- › CO monitoring system
- › SECURUS - Electronic moisture monitoring for the purification system

## SYSTEM FOOTPRINT

### VTC05 - VTC13:

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

› 44" x 33" x 50" (1118mm x 838mm x 1270mm)

#### › WEIGHT pounds (kg)

› 700 - 720 lb (317.5 - 327 kg)

### VTC18 - VTC26:

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

› 44" x 33" x 54" (1118mm x 838mm x 1372mm)

#### › WEIGHT pounds (kg)

› 925 - 1075 lb (420 - 488 kg)

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