

## OPEN DESIGNS

### 4 and 5-Stage High Pressure Breathing Air Compressors

› **Pressure**

up to 6000 psig  
up to 414 bar

› **Charging Rate**

35.9 to 145 scfm  
1017 to 4106 l/min

› **Power**

30 to 100 hp  
22 to 75 kW



**Open packages in horizontal or vertical configurations combine compressor and air purification system in a space saving design.**

These compressors set the standard for larger capacity air requirements.

## Open Designs

### STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system
- › BAUER PLC based controller with four line text display
- › NEMA 4 rated electrical enclosure with **UL**® listed control panel
- › Compressor low oil pressure and high temperature safety shutdowns
- › Emergency stop push button
- › Automatic condensate drain system with non-corrosive condensate reservoir and integrated float switch. Automatic “Full” indication and compressor shutdown
- › Beltguard designed to meet OSHA guidelines
- › Soft start, isolation contactor, and circuit breaker providing instantaneous short circuit protection

### AVAILABLE ACCESSORIES (factory installed)

- › Purification upgrade
- › CO monitor
- › SECURUS (K42V-E3 and K42-E3 only)
- › Interstage pressure gauges (locally mounted)
- › Air storage and Containment Fill Stations allow for customization to meet specific requirements

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

- › VERTICAL 43 x 83 x 72 (1092 x 2108 x 1830)
- › HORIZONTAL 114 x 82 x 66 (2896 x 2083 x 1676)

### WEIGHT pounds (kg)

- › VERTICAL 1200 - 2800 (544 - 1270)
- › HORIZONTAL 1200 - 5000 (544 - 2268)

## 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>								
K42V-E3 <sup>3)</sup>	42	1190	4	30	22	35	1300	P10
K42-E3 <sup>3)</sup>	^	^	^	^	^	^	^	^
K60V-E3	60	1700	^	40	30	50	1350	P12 SECURUS
K60-E3	^	^	^	^	^	^	^	^
K80-E3	80.4	2277	^	60	45	67	1225	P14 SECURUS
K145-E3	145	4106	^	100	75	121	1125	^
<b>6000 psig (414 bar)</b>								
H35V-E3	35.9	1017	4	30	22	29.8	1200	P10 SECURUS
H35-E3	^	^	^	^	^	^	^	^
H80-E3	80.4	2277	5	60	45	67	1180	2x P10 SECURUS
H96-E3	96	2718	^	75	56	80	1100	^

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

2) Compressor capacity referenced to standard inlet conditions.

3) SECURUS electronic moisture monitoring is not standard.

E3 = Three Phase Electric, 230/460 VAC/60 Hz. Other voltages available on request.

KV / HV = VERTICAL K / H = HORIZONTAL Dimensions and weight are approximate and are subject to change.

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