

OPEN DESIGNS**4 AND 5-STAGE HIGH PRESSURE BREATHING AIR COMPRESSORS**

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 requirements.

EFFECTIVE: 01/01/21

- › **PRESSURE:**
Up to 6000 PSIG (414 BAR)
- › **CHARGING RATE:**
35.9 to 145 SCFM
(1017 to 4106 L/MIN)
- › **POWER:**
30 to 100 HP (22 to 75 kW)



› K60V-E3

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system
- › BAUER PLC base 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 sensor and automatic “Full” indication and compressor shutdown
- › Beltguard designed to meet OSHA guidelines
- › Soft start, isolation contactor, and circuit breaker providing instantaneous short circuit protection
- › Interstage pressure gauges (locally mounted)

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- › CO monitoring system
- › B-SECURUS - Electronic moisture monitoring for the purification system (K42V-E3 and K42-E3 only)

TECHNICAL DATA

Model	Charging Rate ¹		Number of Stages	Motor		FAD ²	RPM	Purification System
	SCFM	L/MIN		HP	kW			
5000 PSIG (345 BAR)								
K42V-E3 ³	42	1190	4	30	22	35	1300	P10
K42-E3 ³	42	1190	4	30	22	35	1300	P10
K60V-E3	60	1700	4	40	30	50	1350	P12 B-SECURUS
K60-E3	60	1700	4	40	30	50	1350	P12 B-SECURUS
K80-E3	80.4	2277	4	60	45	67	1225	P14 B-SECURUS
K145-E3	145	4106	4	100	75	121	1125	P14 B-SECURUS
6000 PSIG (414 BAR)								
H35V-E3	35.9	1017	4	30	22	29.8	1200	P10 B-SECURUS
H35-E3	35.9	1017	4	30	22	29.8	1200	P10 B-SECURUS
H80-E3	80.4	2277	5	60	45	67	1180	2x P10 B-SECURUS
H96-E3	96	2718	5	75	56	80	1100	2x P10 B-SECURUS

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, 208/230/460 VAC/60 Hz. Other voltages available on request. KV/HV= VERTICAL. K/H= HORIZONTAL. Dimensions and weight are approximate and are subject to change.

SYSTEM FOOTPRINT

VERTICAL:

DIMENSIONS L X W X H inches (mm)

› **K42V/H35V:** 42" x 65" x 75" (1067mm x 1651mm x 1905mm)

› **K60V:** 42" x 78" x 74" (1067mm x 1981mm x 1880mm)

WEIGHT pounds (kg)

› 1200 - 2800 lb (544 - 1270 kg)

HORIZONTAL:

DIMENSIONS L X W X H inches (mm)

› **K42/H35:** 44" x 95" x 61" (1117mm x 2413mm x 1549.4mm)

› **K60:** 44" x 92" x 61" (1117mm x 2337mm x 1549.4mm)

› **K80/K145:** 84" x 116" x 67" (2134mm x 2946.4mm x 1702mm)

WEIGHT pounds (kg)

› 1200 - 5000 lb (544 - 2268 kg)

OPTIONAL ACCESSORIES - OPEN DESIGNS

Item	Description	Part Number
0001	B-SECURUS electronic purification monitoring system	/SECURUS
0002	Electronic carbon monoxide complete with calibration kit wired for alarm and shutdown. (calibration gas included)	MNR-29

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