

MINI AND MAXI VERTICUS

3, 4 and 5-Stage High Pressure Breathing Air Compressors

- › **Pressure**
up to 6000 psig
up to 414 bar
- › **Charging Rate**
5 to 42 scfm
142 to 1190 l/min
- › **Power**
5 to 30 hp
3.7 to 22 kW



MINI VERTICUS and MAXI VERTICUS combine compressor, air purification, SECURUS electronic moisture monitoring system and motor in a space saving, sound attenuated vertical cabinet designed to diminish operating sound levels.

The MINI VERTICUS sound level is approximately 70 dBA and the MAXI VERTICUS is less than approximately 79 dBA (both at 3 ft / 1 meter distance).

Mini and Maxi Verticus

STANDARD SCOPE OF SUPPLY

- › BAUER breathing air purification system with SECURUS
- › BAUER PLC based controller with multicolor touchpad 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 start/stop control
- › Automatic condensate drain system with non-corrosive condensate reservoir and integrated float switch. Automatic “Full” indication and compressor shutdown

Maxi Verticus Models (add to above)

- › Vertically hinged front operations panel and lift-off side maintenance access doors
- › Inlet filter maintenance indicator
- › Interstage pressure gauges (locally mounted)

Technical Data

Model	Charging rate ¹⁾		Number of stages	Motor		FAD ²⁾	RPM	Purification system
	scfm	l/min		hp	kW			
5000 psig (345 bar)								
mVT6-E1/E3	6	170	3	5	3.7	5	1050	P2 SECURUS
mVT8-E1/E3	8.4	238	^	7.5	5.6	7	1250	^
MVT20-E3	21	595	4	15	11	17.5	1300	P5 SECURUS
MVT26-E3	26.4	748	^	20	15	22	1350	^
MVT42-E3 ³⁾	42	1190	^	30	22	35	1300	P10 SECURUS
6000 psig (414 bar)								
mVT5H-E1/E3	5	142	3	5	3.7	4	1050	P2 SECURUS
mVT10H-E1/E3	9.7	275	4	7.5	5.6	8.1	1180	^
mVT13H-E1/E3	13	368	^	10	7.5	10.8	1420	^
MVT19H-E3	19.2	544	5	15	11	16	1050	P5 SECURUS
MVT25H-E3	25.2	714	^	20	15	21	1300	^
MVT35H-E3 ³⁾	35.9	1017	4	30	22	29.8	1200	P10 SECURUS

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

2) Compressor capacity referenced to standard inlet conditions.

3) 30 hp units are in a cabinet other than depicted.

E1 = Single Phase Electric, 230 VAC/60 Hz. E3 = Three Phase Electric, 230/460 VAC/60 Hz. Other voltages available on request.

mVT = MINI VERTICUS MVT = MAXI VERTICUS Dimensions and weight are approximate and are subject to change.

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VT

229.09.09.3SP

subject to alteration without notice or obligation

AVAILABLE ACCESSORIES (factory installed)

- › Audible alarms for safety shutdowns
- › Other accessories available on request

Mini Verticus Models (add to above)

- › CO monitor
- › Interstage pressure gauges (locally mounted)

Maxi Verticus Models (add to accessories)

- › CO monitor with remote display

DIMENSIONS L x W x H inches (mm)

- › MINI VERTICUS 29 x 49 x 58 (737 x 1245 x 1473)
- › MAXI VERTICUS 44 x 52 x 72 (1118 x 1321 x 1830)

WEIGHT pounds (kg)

- › MINI VERTICUS 880 - 950 (400 - 432)
- › MAXI VERTICUS 1050 - 1530 (476 - 694)