

MINI AND MAXI VERTICUS™

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

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).

› PRESSURE:

Up to 6000 PSIG
(414 BAR)

› CHARGING RATE:

5 to 42 SCFM
(142 to 1190 L/MIN)

› POWER:

5 to 30 HP (3.7 to 22 kW)



› MAXI VERTICUS



› MAXI VERTICUS



› MINI 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 and automatic start/stop control
- › Automatic condensate drain system with non-corrosive condensate reservoir and integrated float sensor and automatic “Full” indication and compressor shutdown
- › Interstage pressure gauges (locally mounted)

MAXI VERTICUS MODELS (ADD TO ABOVE)

- › Vertically hinged front operations panel and lift-off side maintenance access doors
- › Inlet filter maintenance indicator

AVAILABLE ACCESSORIES (FACTORY INSTALLED)

- › CO monitoring system

SYSTEM FOOTPRINT

MINI VERTICUS:

MVT5 - MVT13

DIMENSIONS L X W X H inches (mm)

- › 49” x 29” x 58” (1245mm x 737mm x 1473mm)

WEIGHT pounds (kg)

- › 880 - 950 lb (400 - 432 kg)

MAXI VERTICUS:

MVT18 - MVT26

DIMENSIONS L X W X H inches (mm)

- › 52” x 34” x 66” (1321mm x 864mm x 1676.4mm)

WEIGHT pounds (kg)

- › 1050 - 1530 lb (476 - 694 kg)

MVT35 - MVT42

DIMENSIONS L X W X H inches (mm)

- › 67” x 45” x 75” (1702mm x 1143mm x 1905mm)

WEIGHT pounds (kg)

- › 2450 lb (1111 kg)

TECHNICAL DATA

Model	Charging Rate ¹		Number of Stages	Motor		FAD ²	RPM	Purification System
	SCFM	L/MIN		HP	kW			
5000 PSIG (34.5 BAR)								
mVT8-E1/E3	8.4	238	3	7.5	5.6	7	1250	P2 SECURUS
MVT20-E3	21	595	4	15	11	17.5	1300	P5 SECURUS
MVT26-E3	26.4	748	4	20	15	22	1350	P5 SECURUS
MVT42-E3 ³	42	1190	4	30	22	35	1300	P10 SECURUS
6000 PSIG (41.4 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	P2 SECURUS
mVT13H-E1/E3	13	368	4	10	7.5	10.8	1420	P2 SECURUS
MVT18H-E3	18	510	4	15	11	15	1325	P5 SECURUS
MVT25H-E3	25.2	714	5	20	15	21	1300	P5 SECURUS
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, 208/230/460 VAC/60 Hz. Other voltages available on request. mVT= MINI VERTICUS. Dimensions and weight are approximate and are subject to change.

