VERTICAL DESIGNS

3, 4 and 5-Stage Compressors

› Pressure
  5000 to 7000 psig
  345 to 483 bar

› Capacity
  3.5 to 22 scfm
  100 to 623 l/min

› Power
  5 to 20 hp
  3.7 to 15 kw

The new Vertical series from the technology leader in high pressure offers space-saving designs suitable for the most demanding requirements. Open models offer a budget conscious practical solution while enclosed models can be installed in occupied spaces. Both styles include a full-featured control system for unattended automatic operation. The vertical series offers the perfect continuous-duty rated solutions for a wide variety of applications.

www.bauercomp.com
**Vertical Designs**

**STANDARD SCOPE OF SUPPLY**
- Multi-stage, air cooled, pressure lubricated, continuous-duty rated reciprocating compressor
- Electric motor (ODP) with v-belt drive, belt guard and belt tensioning device
- Automatic condensate drain with condensate collector. Collector includes switch for high condensate level.
- Automatic operation with PLC controller. Includes operator keypad and text display for operation, maintenance and troubleshooting
- NEMA 4 rated electrical enclosure with UL listed control panel
- Fused control voltage transformer
- Hour meter and temperature switch
- Pressure sensors for oil pressure and final pressure
- Emergency stop push button
- Audible alarm
- Ambient temperature range 40°C to 113°C
- 24 month warranty

**Verticus models**
- Interstage pressure gauges
- Sound attenuated enclosure
- MINI VERTICUS: 70 dBA  MAXI VERTICUS: 79 dBA

**AVAILABLE ACCESSORIES**
- BAUER air purification system with SECURUS
- Interstage pressure gauges (VERTECON only)
- TEFC motor
- Machine feet
- Extended base for compressor and 2 storage cylinders

**DIMENSIONS**
- **L x W x H** inches (mm)
  - VERTECON 45 x 32.5 x 55 (1143 x 826 x 1397)
  - MINI VERTICUS 49.5 x 29.5 x 58 (1257 x 749 x 1473)
  - MAXI VERTICUS 52 x 34 x 65.5 (1321 x 864 x 1664)

**WEIGHT**
- pounds (kg)
  - VERTECON 550 - 660 (250 - 300)
  - MINI VERTICUS 880 - 950 (400 - 432)
  - MAXI VERTICUS 1100 - 1225 (500 - 556)

**Technical Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity FAD</th>
<th>Number of stages</th>
<th>Motor</th>
<th>Drive</th>
<th>Recommended purification system</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>scfm / l/min</td>
<td></td>
<td>hp</td>
<td>kw</td>
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<tr>
<td>5000 psig (345 bar)</td>
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<tr>
<td>100</td>
<td>5</td>
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<tr>
<td>120</td>
<td>7.3</td>
<td>207</td>
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<td>15.1</td>
<td>11.5</td>
<td>325</td>
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<td>7.5</td>
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<tr>
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<tr>
<td>180</td>
<td>22</td>
<td>623</td>
<td>4</td>
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<td>15</td>
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<td></td>
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<tr>
<td>6000 psig (414 bar)</td>
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<tr>
<td>100H</td>
<td>3.5</td>
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<td>12.4</td>
<td>8.6 - 10.5</td>
<td>244 - 300</td>
<td>4</td>
<td>7.5 - 10</td>
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<td>566</td>
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<td>20</td>
<td>15</td>
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</table>

1) Compressor capacity (FAD) is referenced to standard inlet conditions and 80% of the compressor’s maximum working pressure. Tolerance +/- 5%.
2) Models 15.11 and 18.1 available for 7000 psig.

**NOTES**
- E1 = 230 / 1 / 60  E3 = 230 - 460 / 3 / 60  Other voltages and frequencies available upon request. Engine driven models available.
- Dimensions and weight are approximate and are dependent upon model and drive.

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**VERTICAL DESIGNS**
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