**TECHNICAL DATA**

- **Number of stage**: 1 thru 8
- **Inlet connection**: 18" (455 mm) flange, matches 125# ANSI
- **Outlet connection**: 14" (355 mm) flange, matches 125# ANSI
- **Operating speed**: 3550 rpm in direct drive (60Hz)
- **Lubrication**: Oil type with constant level
- **Impeller diameter**: 26" (662 mm)
- **Impeller tip speed**: 405 fps (122 m / sec)
- **Drive**: Direct drive or gear box or V-belts
- **Vibration tolerance**: 1.25 mils peak-to-peak (4.5 mm /s)
- **Balance piston**: From 4 to 8 stages with pipe connection
- **Shaft end**: 2" 9/16 (65 mm), inlet end drive standard

**MATERIALS OF CONSTRUCTION**

- **Heads, Sections, Bearing housings**: Cast iron ASTM A-48 Class 35B
- **Tie rods**: 13/16" (20 mm) diameter cold drawn steel A60
- **Joint sealing compound**: RTV IS502 Silicone
- **Seals (air)**: Two graphit rings each end
- **Seals (gas)**: Four carbon rings each end with inert gas injection
- **Bearings**: Ball bearings 6316 C3 PER AFBMA B10 STANDARD
- **Shaft**: AISI 1038 Carbon steel or equivalent
- **Impellers**: Fabricated aluminium ASTM 6061
- **Baffle rings**: Stainless steel
- **Motor pedestal**: Structural steel.
- **Base pads**: Korfund Elasto-rib or equivalent
- **Noise level**: In compliance with OSHA standards when machine is fully piped (certified tests available)

**TECHNICAL DATA SHEET**

**400" SERIES**

**AIR & GAS**

**MATERIALS OF CONSTRUCTION**

- **Heads, Sections, Bearing housings**: Cast iron ASTM A-48 Class 35B
- **Tie rods**: 13/16" (20 mm) diameter cold drawn steel A60
- **Joint sealing compound**: RTV IS502 Silicone
- **Seals (air)**: Two graphit rings each end
- **Seals (gas)**: Four carbon rings each end with inert gas injection
- **Bearings**: Ball bearings 6316 C3 PER AFBMA B10 STANDARD
- **Shaft**: AISI 1038 Carbon steel or equivalent
- **Impellers**: Fabricated aluminium ASTM 6061
- **Baffle rings**: Stainless steel
- **Motor pedestal**: Structural steel.
- **Base pads**: Korfund Elasto-rib or equivalent
- **Noise level**: In compliance with OSHA standards when machine is fully piped (certified tests available)

**BLOWER SIZE**

<table>
<thead>
<tr>
<th>BLOWER SIZE</th>
<th>“A”</th>
<th>“B”</th>
<th>“C”</th>
<th>WEIGHT LBS</th>
<th>KG</th>
<th>ROTOR W/C (Lb. Ft) FABRICATED ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>40001</td>
<td>23.81 (605)</td>
<td>102.0 (2591)</td>
<td>120.0 (3048)</td>
<td>3750</td>
<td>1700</td>
<td>8.86</td>
</tr>
<tr>
<td>40002</td>
<td>31.69 (805)</td>
<td>102.0 (2591)</td>
<td>120.0 (3048)</td>
<td>4410</td>
<td>2000</td>
<td>17.52</td>
</tr>
<tr>
<td>40003</td>
<td>39.56 (1005)</td>
<td>114.0 (2986)</td>
<td>132.0 (3353)</td>
<td>5180</td>
<td>2350</td>
<td>26.18</td>
</tr>
<tr>
<td>40004</td>
<td>47.44 (1205)</td>
<td>126.0 (3200)</td>
<td>144.0 (3658)</td>
<td>5950</td>
<td>2700</td>
<td>34.84</td>
</tr>
<tr>
<td>40005</td>
<td>55.31 (1405)</td>
<td>144.0 (3658)</td>
<td>162.0 (4115)</td>
<td>6830</td>
<td>3100</td>
<td>43.50</td>
</tr>
<tr>
<td>40006</td>
<td>63.18 (1605)</td>
<td>144.0 (3658)</td>
<td>162.0 (4115)</td>
<td>7500</td>
<td>3400</td>
<td>52.16</td>
</tr>
<tr>
<td>40007</td>
<td>71.06 (1805)</td>
<td>154.0 (3912)</td>
<td>172.0 (4369)</td>
<td>8380</td>
<td>3800</td>
<td>60.82</td>
</tr>
<tr>
<td>40008</td>
<td>78.93 (2005)</td>
<td>154.0 (3912)</td>
<td>172.0 (4369)</td>
<td>9560</td>
<td>4100</td>
<td>69.48</td>
</tr>
</tbody>
</table>

**DIMENSIONS ARE IN INCHES AND (MM)**

**ACTUAL DIMENSIONS MAY VARY SLIGHTLY TO SUIT APPLICATION**

---

Values, dimensions and reference in this brochure are approximate and intended as a guide only, not for construction and are subject to change without notice.

CONTINENTAL BLOWER LLC . CONTINENTAL BLOWER LLC . CONTINENTAL BLOWER LLC . CONTINENTAL BLOWER LLC .