**TECHNICAL DATA**

Number of stage: 1 thru 7  
Inlet connection: 18" (460 mm) flange, matches 125# ANSI  
Outlet connection: 16" (405 mm) flange, matches 125# ANSI  
Operating speed: 3550 rpm in direct drive (60Hz),  
Lubrication: Oil type with constant level  
Impeller diameter: 32" (813 mm)  
Impeller tip speed: 499 fps (152 m/s)  
Drive: Direct drive or gear box  
Vibration tolerance: 1.25 mils peak-to-peak (4.5 mm/s)  
Balance piston: From 3 to 6 stages with pipe connection  
Shaft end: 2" 9/16 (75 mm), inlet end drive standard

**MATERIALS OF CONSTRUCTION**

Heads, Sections, Bearing housings: Cast iron ASTM A-48 Class 35B  
Tie rods: 7/8" (22 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 AFMA B10 STANDARD  
Shaft: AISI 1038 Carbon steel or equivalent  
Impellers: Fabricated aluminium ASTM 6061  
Baffle rings: Stainless steel  
Motor pedestal: Structural steel  
Base pads: Anchor bolts  
Noise level: In compliance with OSHA standards when machine is fully piped (certified tests available).

<table>
<thead>
<tr>
<th>BLOWER SIZE</th>
<th>&quot;A&quot;</th>
<th>&quot;B&quot;</th>
<th>&quot;C&quot;</th>
<th>WEIGHT LBS KG</th>
<th>ROTOR WKT lb ft^2</th>
<th>FABRICATED ONLY</th>
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</thead>
<tbody>
<tr>
<td>50001</td>
<td>26.75 (680)</td>
<td>18.0 (457)</td>
<td>124.0 (3200)</td>
<td>6170 2800</td>
<td>37.69</td>
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<tr>
<td>50002</td>
<td>35.5 (903)</td>
<td>21.0 (534)</td>
<td>138.0 (3500)</td>
<td>7600 3450</td>
<td>61.32</td>
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<tr>
<td>50003</td>
<td>44.25 (1124)</td>
<td>24.0 (609)</td>
<td>152.0 (3900)</td>
<td>9250 4200</td>
<td>84.95</td>
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<td>53.00 (1348)</td>
<td>27.0 (701)</td>
<td>166.0 (4200)</td>
<td>10580 4800</td>
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<td>50005</td>
<td>61.75 (1588)</td>
<td>30.0 (762)</td>
<td>180.0 (4600)</td>
<td>13220 6000</td>
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<td>50006</td>
<td>70.50 (1800)</td>
<td>33.0 (838)</td>
<td>194.0 (5000)</td>
<td>14550 6800</td>
<td>155.84</td>
<td></td>
</tr>
</tbody>
</table>

Dimensions are in inches and (mm)  
Actual dimensions may vary slightly to suit application

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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.