Republic offers a complete line of centrifugal blowers for vacuum or compressed air applications. Centrifugal blowers provide dry, clean, oil-free air and require low energy consumption. Unlike compressed air systems, this series is safe to run at low pressure, and allows for increased production speeds or levels.

The RB500 is Republic's smallest centrifugal blower, and is robust and hard-working. The blower comes with ceramic hybrid bearings, rotatable outlet discharge, easy to remove stainless steel bearing housing assembly, and zinc plated steel motor pulley.

**PERFORMANCE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency (Hz)</th>
<th>HP</th>
<th>Max Flow (CFM/X m³/hr)</th>
<th>Max Vacuum (in. H₂O/mbar)</th>
<th>Max Pressure (lb/in.², m³/hr, mbar)</th>
<th>Sound Level (dB)</th>
<th>Weight (lb/kg)</th>
<th>Retro Kit Weight (lb/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RB500</td>
<td>50</td>
<td>3 (182TC)</td>
<td>320/544</td>
<td>56/140</td>
<td>70/174</td>
<td>75/82</td>
<td>120/54</td>
<td>50/23</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>3 (182TC)</td>
<td>330/561</td>
<td>80/200</td>
<td>76/189</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>5 (184TC)</td>
<td>440/758</td>
<td>55/137</td>
<td>67/167</td>
<td>75/82</td>
<td>131/59</td>
<td></td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>5 (184TC)</td>
<td>455/773</td>
<td>79/197</td>
<td>102/254</td>
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<td></td>
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<tr>
<td></td>
<td>7.5 (213TC)</td>
<td>7.5 (213TC)</td>
<td>465/790</td>
<td>38/95</td>
<td>45/112</td>
<td>75/82</td>
<td>180/81</td>
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<tr>
<td></td>
<td>60</td>
<td>7.5 (213TC)</td>
<td>500/850</td>
<td>71/177</td>
<td>97/242</td>
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<td></td>
</tr>
</tbody>
</table>
Republic Centrifugal Blowers are made to order, and can be customized to fit almost any application. Many common options and accessories are listed below. For additional options, please contact Republic or your local distributor.

**Available Options**

Republic Centrifugal Blowers are made to order, and can be customized to fit almost any application. Many common options and accessories are listed below. For additional options, please contact Republic or your local distributor.

**Advantages**
- 3-7.5 Horsepower – up to 25,000 rpm
- 10 Groove self-tensioning belt for long life
- Lightweight & small footprint
- Ceramic hybrid bearings
- Multi-lip seals on both ends of the shaft
- 2" Blower outlet discharge is rotatable
- Precision balanced shaft/impeller assemblies
- Stainless steel blower pulley, zinc plated steel motor pulley, and aluminum blower housing
- 6061 T6 aluminum impeller
- Bearing housing is steel construction for extra rigidity
- Operational with all types of motors– washdown, explosion proof, high efficiency and hydraulic
- Easy to remove bearing/impeller housing for quick repair
- 100% Operational performance and vibration tested
- One year warranty

**Options**
- Hard anodized bearing housing assembly
- Inlet and outlet flanges
- Water-cooled blower

**Accessories**
- Enclosures for noise control
- Exhaust silencer
- Starter panel
- Variable frequency drive