**DB Series: Model DB22**

**DB22 PERFORMANCE - 3450 RPM**

Flow (m³/hr)

- NPSHR - #1 Imp
- NPSHR - #7 Imp
- Minimum Continuous Flow 10 US gpm (2.3 m³/hr)

Head (ft)

- NPSHR - #1 Imp
- NPSHR - #7 Imp

NPSHR (ft)

- Curve Legend
  - #1: 7.25" (184.2 mm)
  - #2: 7.00" (177.8 mm)
  - #3: 6.75" (171.4 mm)
  - #4: 6.50" (165.1 mm)
  - #5: 6.00" (152.4 mm)
  - #6: 5.50" (139.7 mm)
  - #7: 5.00" (127.0 mm)

**DB22 PERFORMANCE - 2900 RPM**

Flow (m³/hr)

- NPSHR - #1 Imp
- NPSHR - #6 Imp
- Minimum Continuous Flow 2.3 m³/hr

Head (m)

- NPSHR - #6 Imp
- NPSHR - #1 Imp

NPSHR (m)

- Curve Legend
  - #1: 184.2 mm (7.25")
  - #2: 177.8 mm (7.00"
  - #3: 165.1 mm (6.50"
  - #4: 152.4 mm (6.00"
  - #5: 139.7 mm (5.50"
  - #6: 127.0 mm (5.00"

**FEATURES & CAPABILITIES**

- Five-year warranty
- Extended run dry ability (with carbon bushing)
- High operating efficiency
- Easy set, measurement-free drive
- Polypropylene or PVDF construction
- Open or closed impellers
- Powerful neodymium magnets
- Close-coupled design
- Threaded (NPT or BSP), union or flange connections
- 1/8 inch impeller trims available
- Vertical installation option with IEC motor
- Mounts to NEMA and IEC (B5 and B14) motor frames
- Replaceable shaft
- ISO 1940 G2.5 balancing
- CE certified/ATEX available
- Working pressure up to 90 psi (6.2 bar)
- Up to 1.8 SG
- Viscosity up to 150 cP
- Polypropylene—180° F (82° C)
- PVDF—220° F (104° C)

**APPLICATIONS**

- Chemical processing
- Plating
- Water and wastewater
- Electronics
- Pharmaceuticals
- Wet scrubber
- Pulp and paper
- Heat exchanger

Notes: Performance curves above are based on closed impellers. Contact the factory for performance based on open impellers. Maximum power @ 3450 RPM is 13 hp (9.7 kW). [Consult factory for applications above 10 hp (7.5 kW)]. At 2900 RPM, maximum power is 7.5 kW (10 hp).
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<tr>
<th>Description</th>
<th>Polypropylene Models</th>
<th>PVDF Models</th>
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<tr>
<td>1 Impeller housing</td>
<td>Glass-fiber reinforced polypropylene</td>
<td>Carbon-fiber reinforced PVDF</td>
</tr>
<tr>
<td>1A Impeller housing thrust</td>
<td>High-purity alumina ceramic, silicon carbide</td>
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<tr>
<td>ring options</td>
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<tr>
<td>2 O-ring options</td>
<td>FKM, EPDM, Simriz®, Kalrez®</td>
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<tr>
<td>3 Impeller</td>
<td>Glass-fiber reinforced polypropylene</td>
<td>Carbon-fiber reinforced PVDF</td>
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<tr>
<td>3A Impeller thrust</td>
<td>Fluorosint®, silicon carbide</td>
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<tr>
<td>washer options</td>
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<td></td>
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<tr>
<td>4 Inner drive</td>
<td>Neodymium iron boron magnets encapsulated in</td>
<td>Neodymium iron boron magnets encapsulated</td>
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<td></td>
<td>unfilled polypropylene</td>
<td>in unfilled PVDF</td>
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<td>Carbon, PTFE, silicon carbide</td>
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<td>High-purity alumina ceramic, Hastelloy® C,</td>
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<tr>
<td></td>
<td>silicon carbide</td>
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<tr>
<td>7 Barrier</td>
<td>Glass-fiber reinforced polypropylene</td>
<td>Carbon-fiber reinforced PVDF</td>
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<tr>
<td>7A Barrier thrust ring</td>
<td>High-purity alumina ceramic</td>
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<tr>
<td>8 Motor adapter</td>
<td>Ductile iron</td>
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<tr>
<td>9 Outer drive magnet</td>
<td>Nickel-plated, neodymium iron boron magnets/</td>
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<tr>
<td></td>
<td>steel</td>
<td></td>
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<tr>
<td>10 Motor adapter sealing</td>
<td>Buna N (std), FKM, EPDM</td>
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<tr>
<td>kit (NEMA only)</td>
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Also available 2" x 2" 150 lb. ANSI-ISO PN20/PN40 flange.  
3" x 2" ANSI20 flange or 63 mm x 63 mm union connection.

<table>
<thead>
<tr>
<th>Motor Frame</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Weight - lbs. [kg]</th>
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<tbody>
<tr>
<td></td>
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<td>Polypropylene (PP)</td>
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</tbody>
</table>

Note: Contact factory for dimensions on flanged or union models. Dimensions and weights are for reference only.

1 Varies with motor manufacturer.

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