EBARA Submersible Stainless Steel Pumps

DWU, DWXU – Dominator

Selection Chart

Model DW(A)U  
DWF(A)U

Single Channel Impeller

<table>
<thead>
<tr>
<th>Capacity (US GPM)</th>
<th>Total Head (m)</th>
<th>Total Head (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50</td>
<td>21.3</td>
<td>70</td>
</tr>
<tr>
<td>100</td>
<td>18.3</td>
<td>60</td>
</tr>
<tr>
<td>150</td>
<td>15.3</td>
<td>50</td>
</tr>
<tr>
<td>200</td>
<td>12.2</td>
<td>40</td>
</tr>
<tr>
<td>250</td>
<td>9.1</td>
<td>30</td>
</tr>
<tr>
<td>300</td>
<td>6.1</td>
<td>20</td>
</tr>
<tr>
<td>350</td>
<td>3.1</td>
<td>10</td>
</tr>
<tr>
<td>400</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

(Manual operation only)

(3 phase only)

EBARA Fluid Handling
www.pumpsebara.com
(803) 327-5005 • (803) 327-5097 (fax)
Model DWX(A)U
DWXF(A)U

Vortex Impeller

EBARA Submersible Stainless Steel Pumps

DWU, DWXU – Dominator

Selection Chart
EBARA Submersible Stainless Steel Pumps

Performance Curves

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EBARA Submersible Stainless Steel Pumps

DWU, DWXU – Dominator

Performance Curves

Project: GPM: TDH: EFF: HP: Chk’d: Date:

50DW6.4 (1/2HP) Synchronous Speed: 3600 RPM

2 inch Discharge

CURVE NO. DW-601-9512
SOLID DIA.: 2 inch

50DW6.75 (1HP) Synchronous Speed: 3600 RPM

2 inch Discharge

CURVE NO. DW-602-9512
SOLID DIA.: 2 inch

EBARA Fluid Handling
www.pumpsebara.com
(803) 327-5005  •  (803) 327-5097 (fax)

1-132
rev. 09/08
EBARA Submersible Stainless Steel Pumps  
**Performance Curves**

<table>
<thead>
<tr>
<th>Project:</th>
<th>GPM:</th>
<th>TDH:</th>
<th>EFF:</th>
<th>HP:</th>
<th>Chk'd:</th>
<th>Date:</th>
</tr>
</thead>
</table>

**50DW61.1 (1½HP) Synchronous Speed: 3600 RPM**  
2 inch Discharge

- **CURVE NO. DW-603-9512**
- **SOLID DIA.: 2 inch**

**50DW61.5 (2HP) Synchronous Speed: 3600 RPM**  
2 inch Discharge

- **CURVE NO. DW-604-9512**
- **SOLID DIA.: 2 inch**
EBARA Submersible Stainless Steel Pumps

Performance Curves

Project:  Model:  Chk’d:  Date:

50DW62.2 (3HP) Synchronous Speed: 3600 RPM  2 inch Discharge

Curve No.: EPE DW 0308-KL
Solid Dia.: 2 inch

<table>
<thead>
<tr>
<th>Capacity (USGPM)</th>
<th>0</th>
<th>50</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Head (ft)</td>
<td>24.4</td>
<td>21.3</td>
<td>18.3</td>
<td>15.2</td>
<td>12.2</td>
<td>9.1</td>
</tr>
<tr>
<td>Efficiency (%)</td>
<td>.75</td>
<td>1.5</td>
<td>2.2</td>
<td>3</td>
<td>3.75</td>
<td>4</td>
</tr>
<tr>
<td>HP Shaft Power</td>
<td>.95</td>
<td>1.5</td>
<td>2.2</td>
<td>3</td>
<td>3.75</td>
<td>4</td>
</tr>
<tr>
<td>m3/min</td>
<td>0</td>
<td>.19</td>
<td>.38</td>
<td>.56</td>
<td>.75</td>
<td>.95</td>
</tr>
</tbody>
</table>

Synchronous Speed: 3600 RPM  2 inch Discharge
EBARA Submersible Stainless Steel Pumps

Performance Curves

Project: | GPM: | TDH: | EFF: | HP: | Chk'd: | Date:
--- | --- | --- | --- | --- | --- | ---

**50DWX6.4 (1/2HP) Synchronous Speed: 3600 RPM**
2 inch Discharge

**50DWX6.75 (1HP) Synchronous Speed: 3600 RPM**
2 inch Discharge
EBARA Submersible Stainless Steel Pumps

Performance Curves

Project: GPM: TDH: EFF: HP: Chk’d: Date:

50DWX61.1 (1½ HP) Synchronous Speed: 3600 RPM

50DWX61.5 (2 HP) Synchronous Speed: 3600 RPM
EBARA Submersible Stainless Steel Pumps

Performance Curves

Project:  Model:  Chk'd:  Date:

50DWX62.2 (3HP) Synchronous Speed: 3600 RPM  2 inch Discharge

Curve No.: EPE DWX0308-KL
Solid Dia.: 2 inch

Capacity (USGPM)  0  .19  .38  .56  .75  .96

<table>
<thead>
<tr>
<th>Capacity (m³/min)</th>
<th>0</th>
<th>.19</th>
<th>.38</th>
<th>.56</th>
<th>.75</th>
<th>.96</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Head (ft)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Head (m)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shp Power (kw)</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shp Power (HP)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Efficiency (%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>