290-Series

Cast Iron Submersible Effluent/Sump Pumps

3/4 hp
1-1/2" Discharge
3/4" Solids Handling

Feautres:
- Liberty's unique, one-piece "Uni-Body" casting
- Quick-disconnect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor (other lengths available)
- Permanently lubricated upper and lower bearings
- Oil-filled, hermetically sealed motors with thermal overload protection
- Stainless steel, removable bottom screen
- Stainless steel rotor shaft
- Stainless steel fasteners

115 V. Models:
- 290 Manual
- 291 Wide-Angle Float with Quick Disconnect
- 293 Wide-Angle Float, Series Plug
- 297 VMF, vertical magnetic float for heavy-duty sump pump applications

208-230 V. Models:
- 290HV Manual
- 291HV Wide-Angle Float with Quick Disconnect
- 293HV Wide-Angle Float, Series Plug
- 297HV Vertical Magnetic Float (VMF) Switch

Wide-Angle Floats are mercury-free, mechanically activated.
290-SERIES
3/4 hp Submersible Effluent/Sump Pumps

The Liberty 290 series provides a cost effective “mid-range” pump for on-site waste water systems, liquid waste transfer and commercial heavy-duty sump pump applications that require higher head or more flow. Designed around Liberty’s unique “Uni-Body” casting, the 290-Series will provide years of reliable performance.

All Models Feature:
• Semi-Open impeller permitting passage of solids up to 3/4”
• 416 stainless steel rotor shaft
• Permanently lubricated upper and lower ball bearing
• Epoxy powder coat finish
• All fasteners – corrosion-resistant stainless steel
• 1 1/2” Discharge
• Stainless steel bottom screen – easily removable
• Maximum fluid temperature: 140˚ F.
• 290-Series Cord Lengths

<table>
<thead>
<tr>
<th>Model</th>
<th>10'</th>
<th>25'(-2)</th>
<th>35'(-3)</th>
<th>50'(-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>290</td>
<td>Standard</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
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<tr>
<td>291</td>
<td>Standard</td>
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<tr>
<td>293</td>
<td>Standard</td>
<td>Optional</td>
<td>Optional</td>
<td>N/A</td>
</tr>
<tr>
<td>297</td>
<td>Standard</td>
<td>Optional</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

10’ cord length standard on all models. For optional lengths, add “-2, -3 or -5” suffix to model number. Example: for model 290 with 35’ cord. Order 290-3

Motor Specifications
3/4 hp 60 Hz 3450 RPM
Oil filled, thermally protected
115 V. Models 10.4 amps
208/230 V. Models 5.3 amps

Performance Curve: 290-Series

Dimensional Data:
Weight: 31 lbs.
Height: 13”
Major Width: 10” (model 297)

Minimum Sump Diameters:
Model 291, 293...14”
Model 297 VMF...10”

Factory switch settings
Model 291, 293
Turn on level 13”
Turn off level 7”
Model 297 VMF
Turn on level 9.5”
Turn off level 4.0”

The Model 293 features a fully adjustable wide-angle float. Differential adjustments can be made easily by tethering the float to the discharge pipe or to other mounting point. Vertical float model 297 is not adjustable.

Specifications are subject to change without notice.

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