

# GSL60, GSL80 Sub-Prime® Electric Submersible Sludge Pumps

The line of Godwin Sub-Prime GSL electric submersible pumps is designed for large sludge or dewatering applications. The GSL60 model is capable of maximum flow rates from 240 gpm (15.1 l/sec) and discharge heads to 85 feet (25.9M). The GSL80 model is capable of maximum flow rates from 84 to 490 gpm (5.3 to 30.9 l/sec) and discharge heads to 154 feet (47M). Like the dewatering models in the Sub-Prime line, these submersible sludge pumps are suited to tough construction, mining and industrial applications. The design features a side discharge that handles solids up to 3.2" (81mm) in diameter\* and rugged construction for long life, including a cast chromium steel impeller and heavy duty polyurethane-lined volute. Other benefits include tandem mechanical seals for dry running and extra protection against leakage, and a dual voltage junction chamber for convenient changeover in the field.\*



## Features

- Side discharge design handles maximum solid sizes from 1.3" to 3.2" (33mm to 81mm) in diameter
- Oversized power cable
- Dual voltage and dual phase motor
- High performance submersible motor
- Oversized, heavy duty ball bearings
- Tandem mechanical seals – primary seal is Silicon Carbide on Silicon Carbide
- Cast Chromium Steel vortex impeller and heavy duty replaceable polyurethane-lined volute
- Lightweight aluminum and corrosion resistant stainless steel cooling jacket
- Dry running capabilities
- Optional manual and automatic control panels available\*

## Specifications

|  | Model                 |  |
|--|-----------------------|--|
|  | GSL60<br>Single Phase | GSL80<br>Three Phase                             |
| <i>HP (kW)</i>                         | 6.0 (4.5)             | 8.0 (6.0)  |
| <i>Max. GPM (l/sec.)</i>               | HV 240(15.1)          | HH 84 (5.3)<br>HV 270 (17)<br>SV 490 (30.9)      |
| <i>Max. Head</i>                       | HV 86' (26.2)         | HH 154' (47M)<br>HV 115' (35M)<br>SV 38' (11.6M) |
| <i>Discharge (Std.)<br/>(Optional)</i> | 3" (75mm)<br>–        | 4" (100mm)<br>3" (75mm)                          |
| <i>Cable</i>                           | 65' (20M)             | 65' (20M)  |
| <i>RPM</i>                             | HV 3400               | HH/HV 3400<br>SV 1700                            |
| <i>Max. Temp.</i>                      | 103°F (40°C)          | 103°F (40°C)                                     |
| <i>PH Range</i>                        | 5.0-8.0               | 5.0-8.0  |
| <i>Voltage</i>                         | 230                   | 230/460, 575                                     |
| <i>Amps</i>                            | HV 22.5               | HH 22/11, 8.9<br>HV 21/10, 8.3<br>SV 19/9.4, 7.5 |
| <i>Weight - lbs. (kg.)</i>             | 129 (58.6)            | 129 (58.6)                                       |
| <i>Solids Handling</i>                 | HV 2" (50mm)          | HH 1.3" (33mm)<br>HV 2" (50mm)<br>SV 3.2" (81mm) |
| <i>Max. Sub.</i>                       | 65' (20M)             | 65' (20M)  |



\* Model GSL80

HV = High Volume

HH = High Head

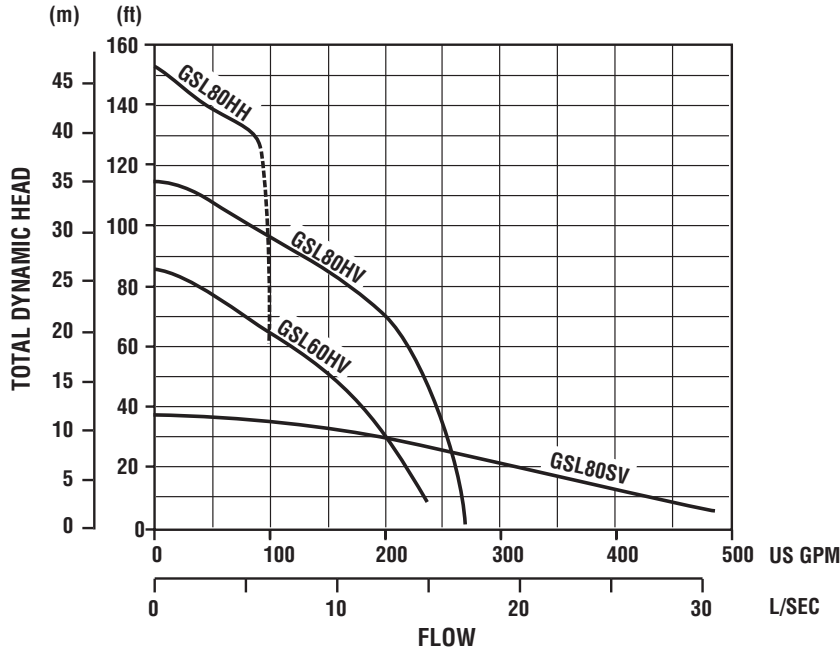
SV = Super High Volume

\* Single phase Godwin Model GSL60 will not operate without a Godwin Pumps custom control panel for both manual and automatic operation.

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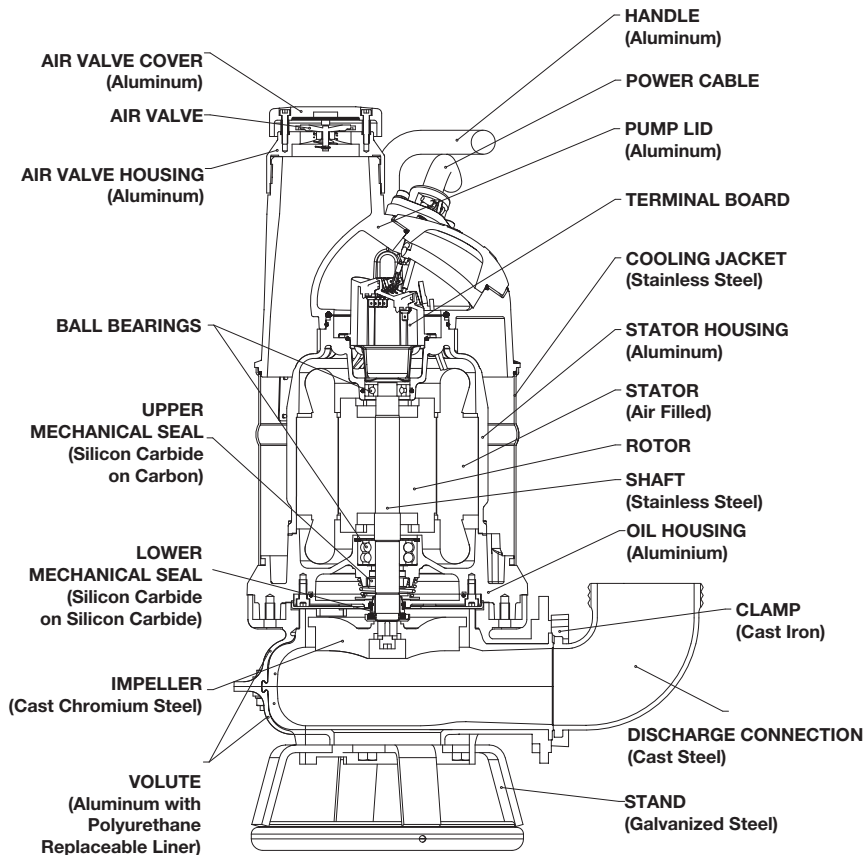


# GSL60, GSL80 Sub-Prime® Performance Curves

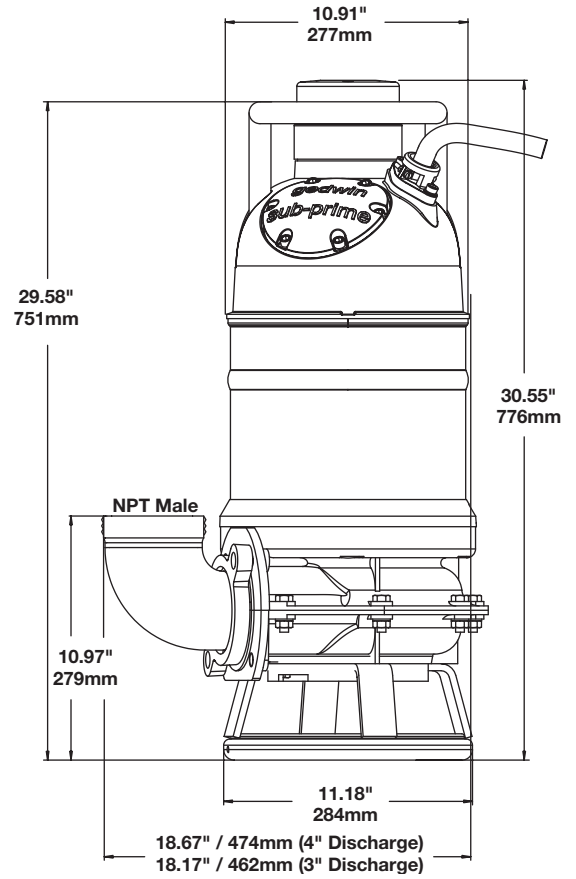


**WARNING:** Pumps are not designed for use in explosive atmosphere, flammable environments or for pumping volatile liquids.

## Design & Construction



## Dimensions



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### BRANCH LOCATIONS:

Connecticut • Pennsylvania • New York • Ohio  
Illinois • Maryland • Virginia • West Virginia  
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