



# mody ELECTRIC SUBMERSIBLE ALL STAINLESS STEEL PUMPS

## G-902/1002 8" SS SERIES-60Hz

### MATERIALS OF CONSTRUCTIONS AND ENGINEERING DATA

| STANDARD CONSTRUCTION |                |
|-----------------------|----------------|
| Top Discharge Outlet  | 316SS          |
| Outer Casing          | 316SS          |
| Stator Casing         | 316SS          |
| Strainer              | 316SS          |
| Wear Plate            | Nitrile Lined  |
| Diffuser Assembly     | Nitrile Lined  |
| Impeller              | 410SS          |
| Sand Guard            | 316SS          |
| Shaft                 | 431SS          |
| Tandem Mech Seals     | SC/SC          |
| O-Rings & Elastomers  | Viton®         |
| Exposed Hardware      | 316SS          |
| Cable Type            | SOOW           |
| Oil                   | Food Grade     |
| Ball Bearing Types    | Radial/Angular |

#### PUMP

- A removable Top Discharge Outlet, cast/fabricated male NPT is standard on all pump models, hose outlet is optional.
- External Sand Guard behind the Impeller prevents sand/debris from damaging mechanical seal face.
- Field adjustable Diffuser / Wear Plate optimizes the efficiency throughout the life of the pump.

#### MOTOR

Continuous Duty Rated Squirrel Cage Induction Motor rated IP68 completely submersible, Class H Insulation (180°C) tripple dipped and epoxied end windings.  
Speed: 3400 RPM @ 60Hz  
Maximum temperature of pump liquid: 104°F/ 40°C  
Maximum Start/Stop per hour: 15

#### POWER SUPPLY

3 phase, 60 Hz. AC Supply. Available in any voltage / frequency combination. 208/220/230/460/575/1000V)

#### BALL BEARINGS

Single row deep groove upper bearing. Double angular contact lower bearings. The bearings are enclosed with high temperature grease containing special anti-corrosion additive.

#### SHAFT SEAL

Tandem SC/SC & SC/SC Upper and lower mechanical seals wholly enclosed in a pressure compensated oil chamber. TC/TC are optional.

#### POWER CABLE

Waterproof/oil proof, rubber-insulated, neoprene-sheathed copper conductor flexible cable, 50ft, (15m) length (standard).

#### CABLE ENTRY SEAL

Water Dam type cable entry seal designed without Silicones or Epoxies.

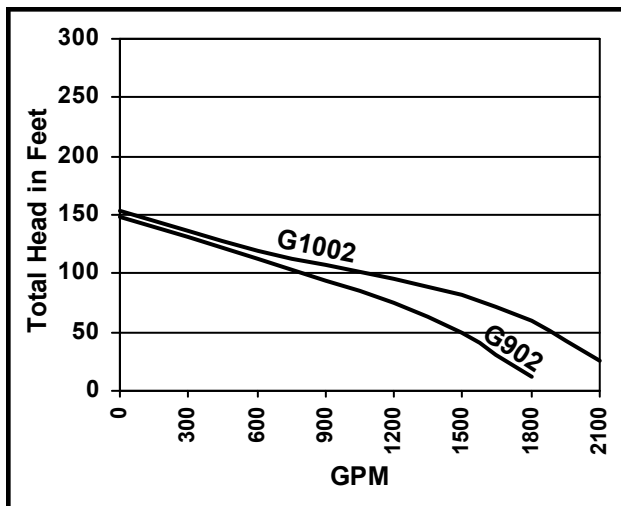
#### CABLE STRAIN RELIEF

Three foot long stainless steel cable sheath terminated at the cable gland is provided for strain relief on all pump models.

#### SUBMERGENCE

Submergence below liquid surface, min. 5" (127mm) max. 50' (15m)

### PERFORMANCE CURVES



| MODEL     | MOTOR |    | CURRENT AMPS | DIMENSIONS In. |        | STRAINER      | WEIGHT * |
|-----------|-------|----|--------------|----------------|--------|---------------|----------|
|           | HP    | PH |              | H              | W      |               |          |
|           |       |    | 230/460V     |                |        | HOLE SIZE In. | Lbs.     |
| G902T/SS  | 35    | 3  | 88 / 44      | 40-1/2         | 15-3/4 | 1-9/16 x 3/8  | 675      |
| G1002T/SS | 58    | 3  | 128 / 64     | 41-1/2         | 17-1/3 | 1-9/16 x 3/8  | 825      |

\* Weights (Approx. Without Cable)