



 GOULDS PUMPS

5"-11" Stainless Steel Submersible Turbine Pumps

FOR 6" AND
LARGER WELLS

Goulds Pumps



ITT Industries



FEATURES:

Discharge Adapter: Several discharge sizes available for NPT or Flanged.

Discharge Bearing: Bronze greased packed sealed bearing with 316SS plug.

Intermediate Bowl: High efficiency design in cast 316 stainless steel.

Impellers: Designed for maximum efficiency with a wide range hydraulic coverage.

Thrust Washer: Designed for extra margin of safety against possible momentary upthrust occurring at start up.

Intermediate Bowl Bearing: Reliable long life bronze bearings standard with optional rubber or other materials.

Taper Locks: Accurately machined in 316SS to insure positive locking of impeller to pump shaft.

Suction Inlet: Contoured for smooth flow entrance. Protected by an oversized 304SS strainer to prevent entrance of damaging solids.

Suction Adapter: Cast 316 stainless steel for corrosive resistance, increased strength and positive motor alignment. Permits easy access to pump/motor coupling.

Pump to Motor Coupling: Large 316 stainless steel coupling accurately matched for perfect alignment, balance and power transmission.

Pump Shaft: 316 stainless steel provides strength and excellent corrosive resistance. Ground and polished for smooth bearing surface.

Check Valve: Optional valve in 316 stainless steel, NPT threads only.

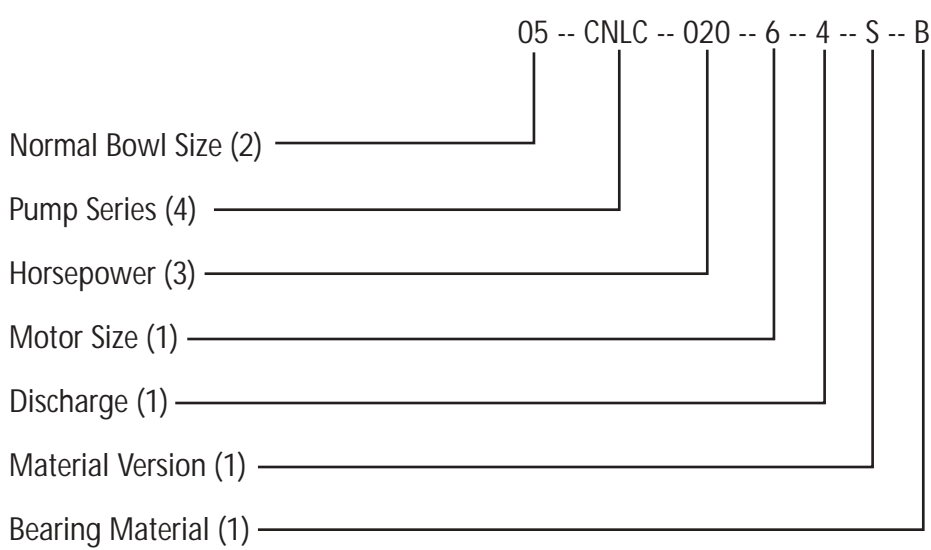
Powered for Continuous Operation: All ratings are within the power limits of the motor manufacturer.

Electric Submersible Motor:

- 316 stainless steel corrosive resistant construction
- 316 stainless steel splined shaft
- Hermetically sealed windings
- Anti-track self-healing resin system
- Water lubrication
- Kingsbury type thrust bearing
- Pressure equalizing diaphragm
- Sand fighter slinger



NOMENCLATURE DESCRIPTION:



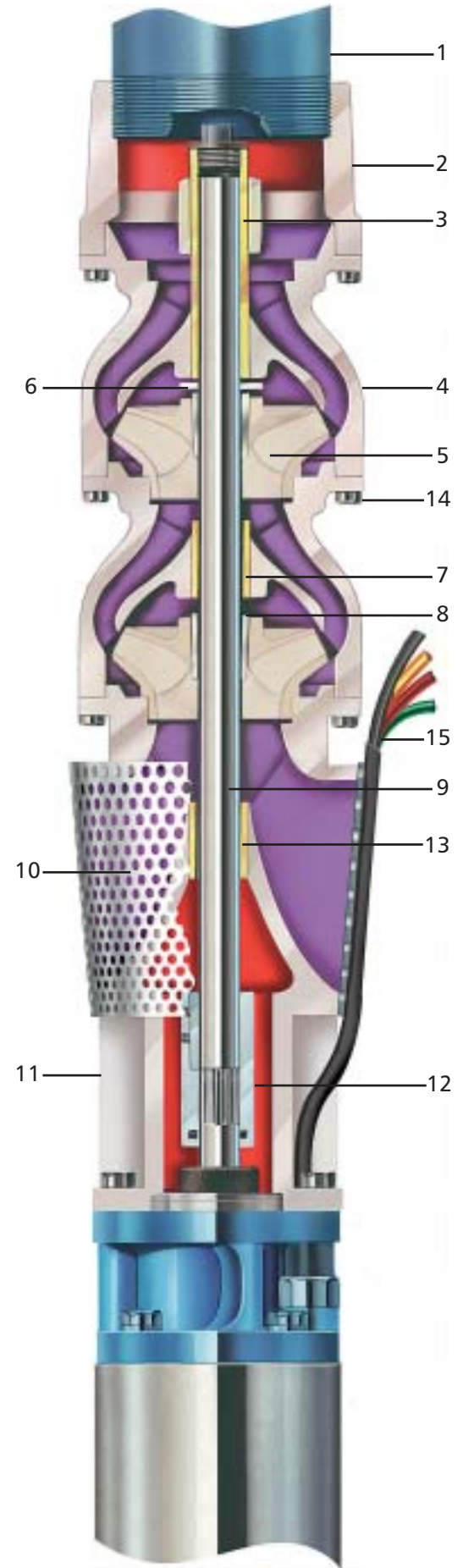
SPECIFICATIONS: 3450 RPM

| Model | GPM Range | BEP | HP Range | Discharge Connect | Min. Well Size |
|--------|-----------|------|----------|-------------------|----------------|
| 5CNLC | 60-180 | 115 | 5-30 | 4" | 6" |
| 5CNHC | 60-200 | 140 | 5-50 | 4" | 6" |
| 5TNLC | 80-225 | 175 | 5-30 | 4" | 6" |
| 5TNHC | 150-300 | 240 | 5-50 | 4" | 6" |
| 6CNLC | 100-225 | 160 | 5-40 | 4" | 8" |
| 6CNHC | 150-300 | 200 | 10-50 | 4" | 8" |
| 7CNLC | 275-430 | 350 | 10-75 | 4", 6" | 8" |
| 7CNHC | 300-600 | 450 | 15-100 | 4", 6" | 8" |
| 7TNLC | 300-650 | 550 | 10-75 | 4", 6" | 8" |
| 7TNHC | 375-800 | 600 | 15-100 | 4", 6" | 8" |
| 9CNLC | 400-875 | 600 | 30-150 | 6" | 10" |
| 9CNHC | 550-1200 | 900 | 50-150 | 6" | 10" |
| 9TNLC | 700-1400 | 1050 | 40-150 | 6" | 10" |
| 9TNHC | 900-1700 | 1300 | 50-150 | 6" | 10" |
| 11CNLC | 500-1700 | 1200 | 75-150 | 6", 8" | 12" |

MATERIALS OF CONSTRUCTION:

| Item | Nomenclature | Material | Specifications |
|------|-------------------|----------|----------------|
| 1 | Column Pipe | | By Others |
| 2 | Discharge | 316 SS | A744 CF8M |
| 3 | Bearing - Disc | Bronze | B584 C90300 |
| 4 | Inter Bowl | 316 SS | A744 CF8M |
| 5 | Impeller | 316 SS | A744 CF8M |
| 6 | Thrust Washer | DPE | Polyethylene |
| 7 | Bearing - Bowl | Bronze | B584 C90300 |
| 8 | Taper Lock | 316 SS | A276 S31600 |
| 9 | Shaft - Bowl | 316 SS | A276 S31600 |
| 10 | Screen - Inlet | 304 SS | A240 S30400 |
| 11 | Inlet Adapter | 316 SS | A744 CF8M |
| 12 | Coupling | 316 SS | A276 S31600 |
| 13 | Bearing - Adapter | Bronze | B584 C90300 |
| 14 | Bolting | 316 SS | A276 S31600 |
| 15 | Cable Guard | 304 SS | A240 S30400 |

Other bearing materials available upon request.



3450 RPM PUMP PERFORMANCE CHART

