

## **SPNC103M**

**10 HP (7.5 Kw)**

4" (100mm) Hose  
(Flange / NPT / BSP - Optional)

# **SUBMERSIBLE ELECTRICAL NON CLOG / SLURRY PUMP FOR ABRASIVE APPLICATION AND CORROSIVE APPLICATION**



## **DESIGN ADVANTAGES**

- Options for Impeller MOC:
  - a) For abrasive and corrosion resistance application impeller are in ASTM A217 Gr. CA15 (SS 410)
  - b) For Sea water and corrosive application impeller available on request in ASTM A351 Gr. CF8M (SS 316)
- SS 304 Pump Volute, Hardware, Aluminium Outlet and SS 431 Rotor Shaft.
- Tandem TC/TC mechanical seals enclosed in pressure compensated oil chamber.
- Thermal Cutouts are imbedded in motor winding for maximum protection.
- Nitrile rubber lined wear plate for field adjustment.
- For saline environment Zinc Anode are available.
- Pumps are also available in complete SS 316 construction.
- Pumps are available for any combination of voltage and frequency on request.
- The Pump is epoxy coated for long life.

## SUBMERSIBLE ELECTRICAL NON CLOG / SLURRY PUMP

### TECHNICAL DETAILS

#### MECHANICAL SEAL

Tandem TC/TC mechanical seals enclosed in pressure compensated oil chamber.

#### BALL BEARINGS

Upper bearing : Single row, deep groove ball bearing.  
Lower bearing : Double row, angular contact bearing.

#### POWER CABLE

Cable Size : 4 core 4.0 sq.mm  
Cable Length : 15 meters

PVC insulated, water and oil proof copper conductor flexible cable.

#### STANDARD MOC

Impeller : S.S. CA15, Nitride Hardened to 50-55 HRC  
Rotor Shaft : S.S. 431  
Wear Plate : Nitrile Rubber Lined  
Stator Casing : Extruded Aluminum with Epoxy Powder Coating  
Pump Volute : S.S. CF8 (S.S. 304) with Epoxy Powder Coating.  
Hardware : S.S 304

#### ELECTRICAL MOTOR (DOL - START)

2 Pole continuous rated induction motor with squirrel cage rotor.

Frequency (Hz) : 50  
AC Supply (Phase) : 3  
Voltage (V) : 415  
Power Rating (Kw) : 7.5  
Current Rating (FL) (Amp) : 16  
Speed (RPM) : 2850  
Motor Winding Insulation Class : H  
Max. temp. of pumped Fluid (°C) : 40  
Max. Start / Stop per hour : 15

#### PUMP WEIGHT

Approx. without cable (Kg) : 70

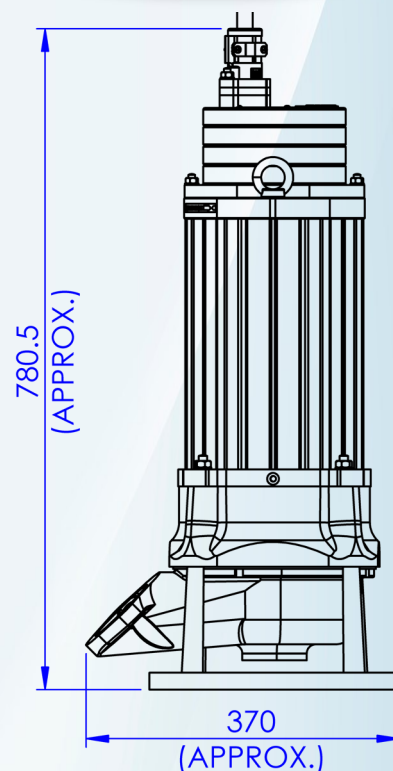
#### PUMP SUBMERGENCE

Pump submergence below Fluid level minimum 70 mm & maximum 15 meters.

#### SOLID HANDLING CAPACITY : 60 mm

*(Optional items are at extra cost.)*

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### PERFORMANCE CURVES

