



**SUBMERSIBLE ELECTRICAL SEWAGE PUMPS**

**SUBMERSIBLE PORTABLE INSTALLATION (S TYPE) AND SUBMERSIBLE PERMANENT INSTALLATION (P TYPE)**

**SPS77S/P**  
**7.5 HP (5.6 Kw)**

4" (100mm) Hose  
(Flange - Optional)

**TECHNICAL DETAILS**

**MECHANICAL SEALS**

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

**BEARINGS**

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

**POWER CABLE**

Cable Size : 4 core 2.5 sq.mm + 2 core 1.0 sq.mm  
Cable Length : 15 meters  
EPR insulated, water and oil proof copper conductor flexible cable.

**IMPELLER**

Type : Single Channel  
Material : C.I. IS210 FG 260

**STANDARD MOC**

Pump Casing : C.I. IS 210 FG 260  
Rotor Shaft : SS 431  
Hardware : SS 304  
"O" Rings : Nitrile Rubber  
Mech. Seals : TC/TC

**MOTOR (DOL START)**

continuous rated, 4-pole induction motor with squirrel cage rotor.

Frequency (Hz) : 50  
AC Supply (Phase) : 3  
Voltage (V) : 415  
Speed (RPM) : 1450  
Power Rating (Kw) : 5.6  
Current Rating (FL) (Amp) : 12.5  
Max. Temperature of Pumped Fluid (°C) : 40  
Max. Starts/Stop Per Hour : 15

**PUMP DIMENSIONS**

Pump height ( mm ) : 840  
Pump Width ( mm ) : 715

**PUMP WEIGHT**

(S - Type ) Approx. without cable (Kg) : 170  
(P - Type ) Approx. without cable (Kg) : 240

**PUMP SUBMERGENCE**

Pump submergence below Fluid level maximum 10 meters.

**SOLID HANDLING CAPACITY : 75 mm**

**SURFACE TREATMENT**

Primer with Epoxy and black choleric paint for long life.



**PERFORMANCE CURVES**

