

# **3" HYDRAULIC SUBMERSIBLE SAND / SLURRY PUMP with AGITATOR**

## **MODEL S3CSL**

3" (75 mm) Discharge

The S3CSL pump is designed to use in applications requiring settled solids to be put into suspension and pumped with the discharge water. Primary applications include de-silting ponds, lakes and streams. Other jobs may include filling sand bags to prevent beach erosion, tank and digester cleaning or pumping residue from rail tank cars or barges.



## **FEATURES**

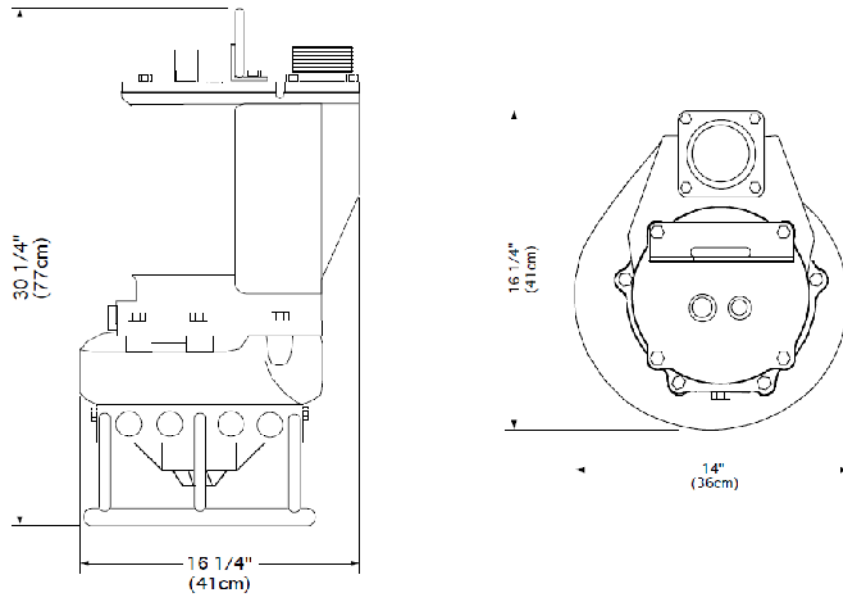
- Hardened Alloy Wear Parts
- Built-in Agitator for stirring up solids
- Oil Lubricated Seals (can run dry)
- Variable Speed hydraulic drive
- Small Size allows pump to fit through a 17 inch opening
- Safe Hydraulic Drive can be used where electric power is hazardous or impractical
- Dependable gear type hydraulic motor
- Operates with our HT10 to HT20 power units or other hydraulic power sources capable of flows to 10 GPM

## **SPECIFICATIONS**

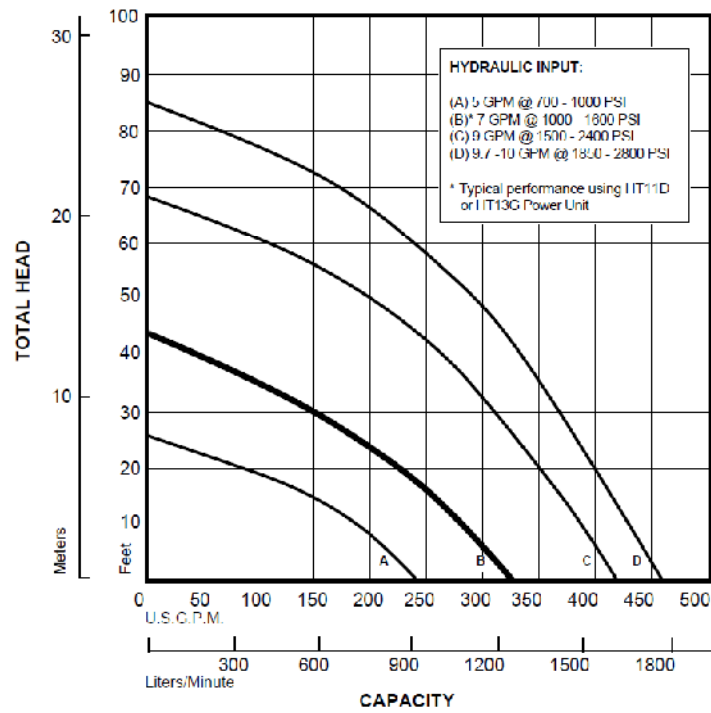
WEIGHT:.....231 lbs. (105 kg)  
HEIGHT:.....30 1/4" (77 cm)  
WIDTH (@ widest point):.....16 1/4" (41 cm)  
DISCHARGE:.....3" NPT  
SOLIDS HANDLING:.....1 1/2" (38 mm)  
HOSE PORTS:.....1/2" and 3/4" NPT (F)  
VOLUTE\*:..... Hardened Ductile Iron  
IMPELLER:..... High Chrome Alloy  
WEAR PLATE:..... High Chrome Alloy  
AGITATOR:.....High Chrome Alloy  
SHAFT:.....304 Stainless Steel  
SHAFT SEALS: (upper).....Carbon/Ceramic  
(Lower).....Silicon Carbide  
HYDRAULIC OIL:.....214-320 s.s.u. @ 100°F (64°C)  
INPUT FLOW:.....Max 10 GPM (38 LPM)  
OPERATING PRESSURE:.....Max 3000 PSI (204 Bar)  
POWER SOURCE:.. Any Open Center Hydraulic System

\* Optional NI-Hard volute available for highly abrasive applications

## Model S3CSL Overall Dimensions



## S3CSL Typical Performance



Curves are based on pumping water at 60°F. For performance curves other than shown above, consult factory.