



# 6" HYDRAULIC SUBMERSIBLE VORTEX FLOW TRASH PUMP

This submersible pump is lightweight, compact and able to stringy materials, large solids and slurries with entrained gases. With a top discharge, this versatile pump is designed for sewer by-pass jobs, digester cleaning, plant intake de-silting and inline pumping.

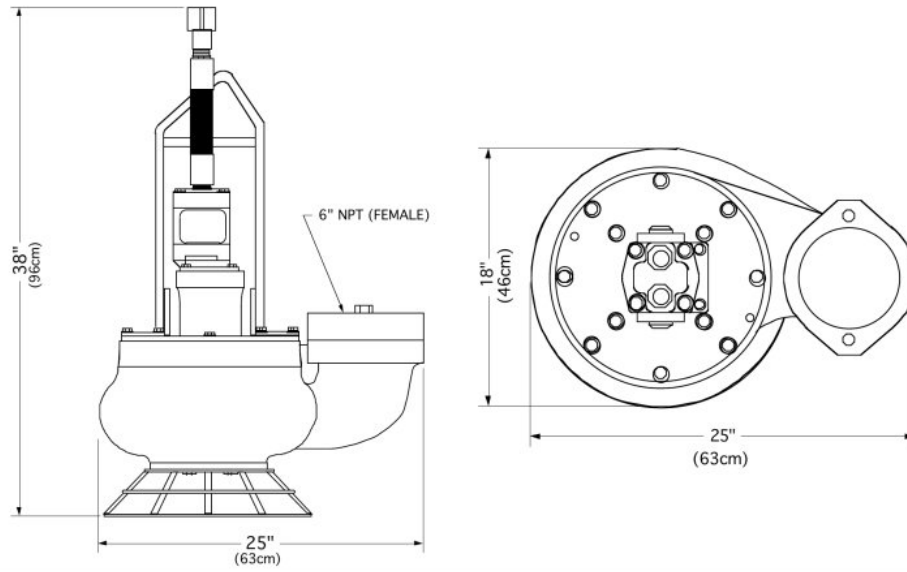
## FEATURES:

- ✓ Variable speed hydraulic drive provides for a wide range of performance
- ✓ Fully recessed Vortex Impeller (passes 5" semi-solids)
- ✓ Oil lubricated seals (can run dry)
- ✓ Dependable gear type hydraulic motor
- ✓ Safe hydraulic drive can be used where electric power is hazardous or impractical
- ✓ Can be bolted directly into a pipelinen or used as a booster pump
- ✓ Optional silt jetting ring is available for agitating solids into suspension
- ✓ Operates with HT50 to HT75 power units or other hydraulic power sources capable of flows of 15-30 GPM

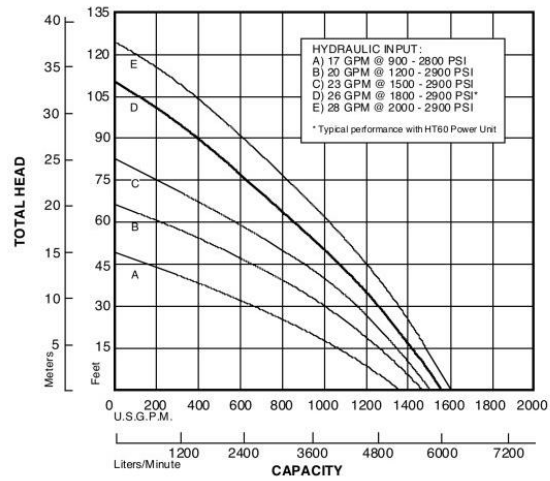
## SPECIFICATIONS

WEIGHT: (Aluminum).....	202 lbs. (92 kg)
(Ductile Iron).....	330 lbs. (150 kg)
HEIGHT:.....	38" (96 cm)
WIDTH (@ widest point):.....	25" (63 cm)
DISCHARGE:.....	6" NPT(F)
INLET FLANGE:.....	6", 125# ASA
SOLIDS HANDLING:.....	5" (125 mm)
HOSE PORTS:.....	1" (-16) SAE
PUMP BODY: (S6T).....	Heat Treated Aluminum
(S6TDI).....	Ductile Iron
IMPELLER:.....	Stainless Steel
WEAR RING and WEAR PLATE.....	Stainless Steel
SHAFT:.....	Stainless Steel
SHAFT SEAL:.....	Carbon/Ceramic (Std)
	Silicon Carbide (Optional)
ELASTOMERS:.....	Buna N (Std)
HYDRAULIC OIL:.....	214-320 s.s.u. @ 100°F (64°C)
INPUT FLOW:.....	Max 30 GPM (114 LPM)
OPERATING PRESSURE:.....	Max 3000 PSI (204 Bar)
POWER SOURCE:.....	Any Open Center Hydraulic System

## Model S6T Overall Dimensions



## S6T Typical Performance



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