



6" Hydraulic Submersible Trash Pump 60HST w/32HPU

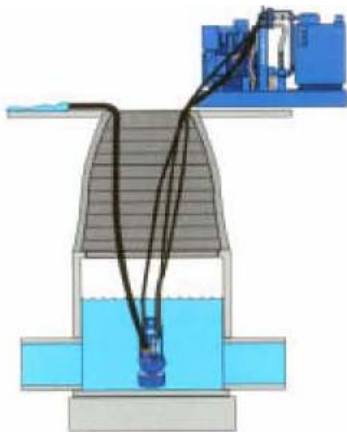
Thompson hydraulic submersible pumps provide a powerful answer when high heads or high lifts become a factor on job sites. These unique variable speed and variable flow hydraulically driven submersible pumps and power units are manufactured from heavy-duty cast iron and steel for high reliability. The Thompson design allows for maximum versatility in dewatering applications and pumping materials.

Features

- Ability to place pump end in the pumping source
- Eliminates suction lift limitations
- Pumps efficiently at heads up to 130 feet
- Variable speed and flow
- Solids Handling to 3"
- 2,010 gpm capacity
- Optional biodegradable lubricants for environmentally sensitive areas

Applications

- Open pit and trench dewatering
- Pipeline dewatering
- Rim ditches
- Manholes
- Sewer lines
- By-pass applications
- Floodwater control
- Drainage and irrigation
- Dewatering of gravel pits, mines, quarries



Typical manhole-sewer line dewatering application

Working Principle

Thompson's hydraulically driven submersible pumps enable the power unit to remain high and dry while the pump head is submerged into the liquid being pumped. Therefore, there is no need to worry about suction lift limitations or priming problems.

These pumps are designed to run dry without damage to the components and are engineered to handle liquids from muddy, trash-laden water to sewage and sludge.

60HST Materials of Construction

Volute: Heavy-duty class 40 cast iron

Cutwater: Replaceable, 316 stainless steel

Shaft: 416 stainless steel, fitted with a renewable SAE 51420 stainless steel sleeve

Impeller: Dynamically balanced, non-clogging, semi-open, class 40 cast-iron with rear equalizing vanes to reduce axial loading and prolong seal and bearing life; diameter 9.74"

Wear Plate: Replaceable, A36 steel with abrasion resistant rubber facing for extended service life

Hydraulic Motor: High efficiency, external Gear type, 3.72 cubic inch displacement with SAE 2B splined output

Hydraulic Couplings: Delivery: 1" male Snap-Tite 75 series quick disconnect, with dust cap; Return: 1.25" male Snap-Tite 75 series quick disconnect, with dust cap;

Bypass: .5" male Snap-Tite 75 series quick disconnect, with dust cap

Mechanical Seal: Dry-running, oil or grease lubricated with Tungsten Carbide rotating and stationary seal faces

Bearings: Heavy-duty, oil lubricated to carry both axial and radial loads

Bearing Housing: Heavy-duty class 30 cast iron

Adapter Plate: Heavy duty class 40 cast iron

Strainer: Large, round hole, 2.5" diameter openings, A36 steel

Discharge Fittings: 6" MNPT and 6" male aluminum cam and groove quick coupler

Seal Protection: Automatic over-pressure protection

