HYDRA-TECH PUMPS

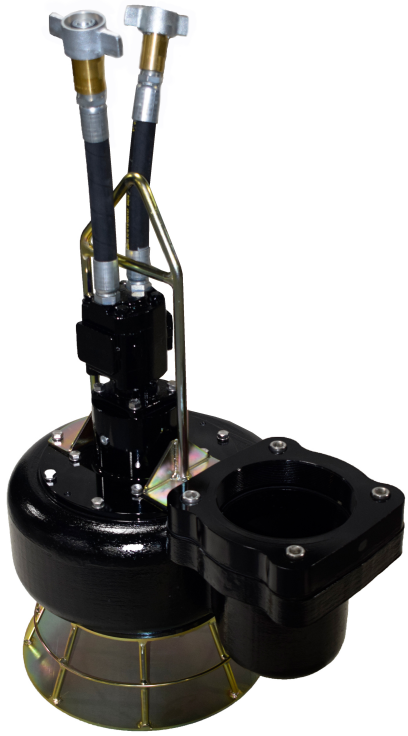
# 8” HYDRAULIC SUBMERSIBLE TRASH PUMP

## MODELS

**S8TC (Ductile Iron Body)**

**S8TCAL (Aluminum Body)**

8” (20 cm) Discharge



The S8TC, 8" discharge trash pump uses a high efficiency two vane channel impeller with wear surface. It is available with a durable ductile iron or lightweight aluminum casing.

## FEATURES

- High Efficiency Stainless Steel Channel Impeller (will pass semi-solids)
- Compact Design
- Heavy Duty Gear Motor
- Variable Speed hydraulic drive provides a wide range of performance
- Oil Lubricated Seals (can run dry)
- Can be bolted directly into a pipeline or used as a booster pump
- Safe Hydraulic Drive can be used where electric power is hazardous or impractical
- Operates with our HT35 to HT60 power units or other hydraulic power sources capable of flows to 30 GPM

## SPECIFICATIONS

| | |
|---|---|
| WEIGHT: S8TC (ductile iron) | 475 lbs. (215 kg) |
| S8TCAL(aluminum) | 271 lbs. (123 kg) |
| HEIGHT: | 28 1/2" (72 cm) |
| WIDTH (@ widest point): | 29 1/2" (75 cm) |
| DISCHARGE: | 8" NPT(F) |
| INLET FLANGE: | 8" 125# ANSI |
| SOLIDS HANDLING: | 5" (12.7cm) |
| HOSE PORTS: | 1" (-16) SAE |
| PUMP BODY: S6TC | Ductile Iron |
| S6TCAL | Aluminum |
| IMPELLER: | 17-4 PH Stainless Steel |
| WEAR RING | Aluminum/Ductile Iron |
| SHAFT: | 17-4 PH Stainless Steel |
| SHAFT SEAL: | Silicon Carbide |
| ELASTOMERS: | Buna N (Std) |
| HYDRAULIC OIL: | 214-320 s.s.u. @ 100°F (64°C) |
| INPUT FLOW: | Max. 30 GPM (106 LPM) |
| OPERATING PRESSURE: | Max 3000 PSI (204 Bar) |
| POWER SOURCE: | Any Open Center Hydraulic System |

A0420

Specifications are subject to change without notice

HYDRA-TECH PUMPS

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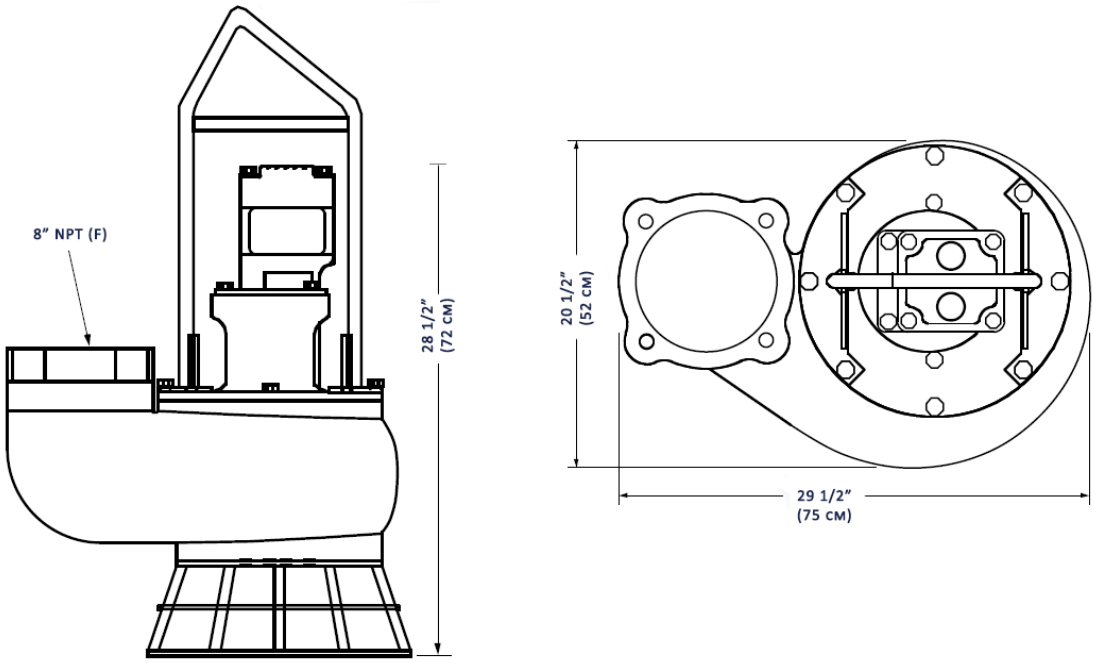
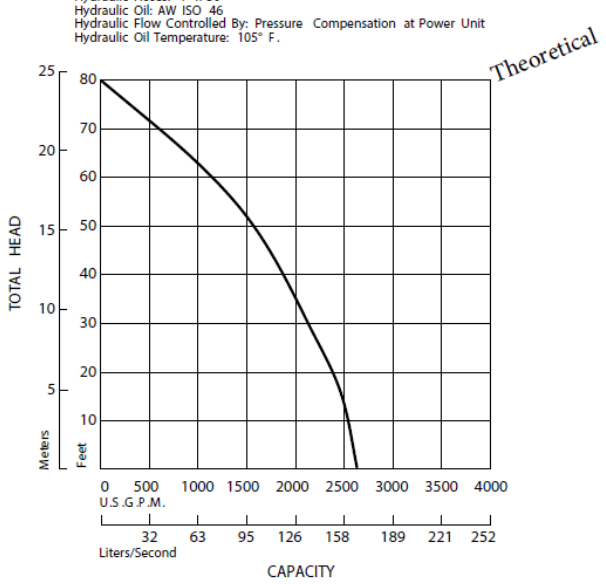
## Model S8TC Overall Dimensions




## S8TC Typical Performance

Pump Model: S8TC (AI or DI)

Hydraulic Power Unit: 74 HP
Hydraulic Motor Displacement: 3.94 Inch³
Liquid Tested: Water @ 79°F
Pump Submergence: 5 Feet
Pump Discharge Flow Measured By: Signet 8510 Flowmeter
Hydraulic Input: 30 GPM @ 3000
Hydraulic Hoses: 1" x 50'
Hydraulic Oil: AW ISO 46
Hydraulic Flow Controlled By: Pressure Compensation at Power Unit
Hydraulic Oil Temperature: 105° F.

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