

Celebrating over 40 Years of Pumping the World for Solutions



1977



2018



Delivering the Hydra-Tech Advantage.....

Meeting customer requirements by designing and manufacturing the world's highest quality hydraulically driven submersible pumps and hydraulic power units.

Product	Page
Hydraulic Power Units -- Sound Attenuated	4-5
Hydraulic Power Units	6-11
Hydraulic Power Units -- Electrically Driven	12
Solids Handling Pumps	18-22
Shredder Pumps	23
Sand and Slurry Pumps	24
Screw Pumps	25
Specialty Pumps	26
General Purpose Pumps	27
Axial Flow Pumps	28-29
Slim Line Pumps	30

Why Hydraulic?

- ◆ **Low lifetime costs**
- ◆ **No shock hazard**
- ◆ **No suction hose**
- ◆ **Easy to operate**
- ◆ **Field serviceable**
- ◆ **Run on bio-oil**
- ◆ **Variable speed**
- ◆ **Low carbon footprint**
- ◆ **Lighter, and more efficient than electrics**

Why Hydra-Tech?

- ◆ **Full 24 month warranty on pumps**
- ◆ **We answer the phone and call you back**
- ◆ **Technical support from the factory**
 - ◆ **US made steel and castings**
 - ◆ **USA manufactured product**
 - ◆ **High value product**
- ◆ **Full 12 month warranty on power units**
- ◆ **CE certification on submersible pumps**
- ◆ **In-House design for your custom requirements**
 - ◆ **Fast quote turnaround**
- ◆ **Hydraulic power for pumps, tools, cylinders and more**

Fossil Fuels:

Diesel, Gas, Propane, or Natural Gas Hydraulic Units

Sound Attenuated

These enclosed hydraulic power units are designed to be used in residential areas and other locations where low sound levels are required.

Open Units

Across a wide range of horsepower, our Hydraulic Power Units offer you the flexibility to choose the engine you want, the type of standard or **custom hydraulic system** you need, the style of skid frame or trailer to meet your specifications and even custom colors or galvanizing. All of our power units are engineered and built to provide ease of operation and years of worry free use.

Electrically Driven Hydraulic Power Units

Electric Motor driven power units ranging from 5 to 500 HP. Options include 50 Hz, Explosion-Proof, Soft-Start and Remote Controls, Skid, Trailer and JIC configurations available as well as a wide variety of hydraulic controls.

HT30DQV

**Tier 4
Final**



POWER	35 HP YANMAR DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	15 GPM	57 LPM
MAX PRESS	2800 PSI	190 BAR
WEIGHT	1850 LBS	838 KG
FUEL CONSUMPTION	Approx. 2.5 Gal/Hr (9.5 Ltrs/Hr)	
FUEL CAPACITY	40 US GALLONS	151 LITERS

HT66DQKV

**Tier 4
Final**



POWER	74 HP KOHLER (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	28 GPM	106 LPM
MAX PRESS	3,000 PSI	204 BAR
WEIGHT	3,575 LBS	1,625 KG
FUEL CONSUMPTION	Approx. 3 Gal/Hr (11.4 Ltrs/Hr)	
FUEL CAPACITY	105 US GALLONS	398 LITERS

HT75DQV

**Tier 4
Final**



POWER	74 HP DUETZ DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	30 GPM	132 LPM
MAX PRESS	3,000 PSI	204 BAR
WEIGHT	3,765 LBS	1708 KG
FUEL CONSUMPTION	Approx. 4.08 Gal/Hr (15.4 Ltrs/Hr)	
FUEL CAPACITY	115 US GALLONS	435 LITERS

HT70DQV

**Tier 4
Final**



POWER	74 HP JOHNDEERE DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	30 GPM	132 LPM
MAX PRESS	3,000 PSI	204 BAR
WEIGHT	TBD	TBD
FUEL CONSUMPTION	Approx. 4.53 Gal/Hr (17.1 Ltrs/Hr)	
FUEL CAPACITY	TBD	TBD

ATTENUATED

SOUND

HT100DQV



Tier 4
Final

POWER	99 HP JOHN DEERE DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	53 GPM	201 LPM
MAX PRESS	2,500 PSI	170 BAR
WEIGHT	TBD	TBD
FUEL CONSUMPTION	Approx. 5.19 Gal/Hr (19.6 Ltrs/Hr)	
FUEL CAPACITY	TBD	TBD

HT150DQV



Tier 4
Final

POWER	155 HP JOHN DEERE DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	70 GPM	265 LPM
MAX PRESS	2,500 PSI	186 BAR
WEIGHT	TBD	TBD
FUEL CONSUMPTION	Approx. 7.28 Gal/Hr (27.6 Ltrs/Hr)	
FUEL CAPACITY	TBD	TBD

HT200DQCV



Tier 4
Final

POWER	200 HP CUMMINS DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	90 GPM	341 LPM
MAX PRESS	2,800 PSI	193 BAR
WEIGHT	8,470 LBS	3,842 KG
FUEL CONSUMPTION	Approx. 9 Gal/Hr (34 Ltrs/Hr)	
FUEL CAPACITY	370 US GALLONS	1,401 LITERS

HT200DQV



Tier 4
Final

POWER	200 HP JOHN DEERE DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	90 GPM	341 LPM
MAX PRESS	2,800 PSI	190 BAR
WEIGHT	TBD	TBD
FUEL CONSUMPTION	Approx. 9.75 Gal/Hr (36 Ltrs/Hr)	
FUEL CAPACITY	TBD	TBD

HT3G



POWER	3 HP HONDA	
HYD PUMP	FIXED GEAR	
MAX FLOW	1.2 GPM	5 LPM
MAX PRESS	2400 PSI	163 BAR
WEIGHT	43 LBS	19.5 KG
FUEL CONSUMPTION	Approx. .19 Gal/Hr (.7 Ltrs/Hr)	
FUEL CAPACITY	.81 US GALLONS	.73 LITERS

HT6G



POWER	5.5 HP HONDA GAS	
HYD PUMP	FIXED GEAR	
MAX FLOW	4.5 GPM	17 LPM
MAX PRESS	1800 PSI	124 BAR
WEIGHT	150 LBS	68 KG
FUEL CONSUMPTION	Approx. .9 Gal/Hr (3.4 Ltrs/Hr)	
FUEL CAPACITY	.75 US GALLONS	3 LITERS

HT6D/DE



*Shown with optional wheel kit

POWER	6 HP YANMAR DIESEL (T4F)	
HYD PUMP	FIXED GEAR	
MAX FLOW	4.5 GPM	17 LPM
MAX PRESS	1800 PSI	124 BAR
WEIGHT	192 LBS	87 KG
FUEL CONSUMPTION	Approx. .5 Gal/Hr (2 Ltrs/Hr)	
FUEL CAPACITY	.7 US GALLONS	2.7 LITERS

HT7DXRE



POWER	6 HP YANMAR DIESEL (T4F)	
HYD PUMP	FIXED GEAR	
MAX FLOW	4.5 GPM	17 LPM
MAX PRESS	1800 PSI	124 BAR
WEIGHT	380 LBS	172 KG
FUEL CONSUMPTION	Approx. .5 Gal/Hr (2 Ltrs/Hr)	
FUEL CAPACITY	15 US GALLONS	57 LITERS

POWER UNITS

HYDRAULIC

HT11D



Tier 4
Final

POWER	9.1 HP YANMAR DIESEL (T4F)	
HYD PUMP	FIXED GEAR	
MAX FLOW	6 GPM	23 LPM
MAX PRESS	2,100 PSI	144 BAR
WEIGHT	225 LBS	102 KG
FUEL CONSUMPTION	Approx. .5 Gal/Hr (2 Ltrs/Hr)	
FUEL CAPACITY	1.2 US GALLONS	4.7 LITERS

HT11DXR



Tier 4
Final

POWER	9.1 HP YANMAR DIESEL (T4F)	
HYD PUMP	FIXED GEAR	
MAX FLOW	6 GPM	23 LPM
MAX PRESS	2,100 PSI	144 BAR
WEIGHT	395 LBS	179 KG
FUEL CONSUMPTION	Approx. .5 Gal/Hr (2 Ltrs/Hr)	
FUEL CAPACITY	15 US GALLONS	57 LITERS

HT13G/GE



*Shown with optional wheel kit

POWER	11.5 HP HONDA GAS	
HYD PUMP	FIXED GEAR	
MAX FLOW	6 GPM	23 LPM
MAX PRESS	2,100 PSI	143 BAR
WEIGHT	234 LBS	106 KG
FUEL CONSUMPTION	Approx. .9 Gal/Hr (3.4 Ltrs/Hr)	
FUEL CAPACITY	1.5 US GALLONS	6.1 LITERS

HT13GXR/GXRE



POWER	11.5 HP HONDA GAS	
HYD PUMP	FIXED GEAR	
MAX FLOW	6 GPM	23 LPM
MAX PRESS	2,100 PSI	143 BAR
WEIGHT	355 LBS	161 KG
FUEL CONSUMPTION	Approx. .9 Gal/Hr (3.4 Ltrs/Hr)	
FUEL CAPACITY	15 US GALLONS	57 LITERS

HYDRAULIC

POWER UNITS

HT16DK



POWER	16.8 HP KOHLER DIESEL (T4F)	
HYD PUMP	FIXED GEAR	
MAX FLOW	10 GPM	37 LPM
MAX PRESS	2,000 PSI	138 BAR
WEIGHT	590 LBS	267 KG
FUEL CONSUMPTION	Approx. 1 Gal/Hr (3.8 Ltrs/Hr)	
FUEL CAPACITY	2.6 US GALLONS	10 LITERS

HT20G/GV



POWER	24 HP HONDA GAS	
HYD PUMP	FIXED GEAR / VARIABLE PISTON	
MAX FLOW	12 GPM	45 LPM
MAX PRESS	2,500 PSI	170 BAR
WEIGHT	470 LBS	215 KG
FUEL CONSUMPTION	Approx. 1.5 Gal/Hr (5.7 Ltrs/Hr)	
FUEL CAPACITY	15 US GALLONS	56.8 LITERS

HT25DYS



POWER	24 HP YANMAR DIESEL (T4F)	
HYD PUMP	FIXED GEAR	
MAX FLOW	12 GPM	45 LPM
MAX PRESS	2,500 PSI	170 BAR
WEIGHT	1,288 LBS	584 KG
FUEL CONSUMPTION	Approx. 1.6 Gal/Hr (6.1 Ltrs/Hr)	
FUEL CAPACITY	42 US GALLONS	159 LITERS

HT35DYS



POWER	35 HP YANMAR DIESEL (T4F)	
HYD PUMP	FIXED GEAR	
MAX FLOW	20 GPM	76 LPM
MAX PRESS	2500 PSI	170 BAR
WEIGHT	1420 LBS	643 KG
FUEL CONSUMPTION	Approx. 2.5 Gal/Hr (9.5 Ltrs/Hr)	
FUEL CAPACITY	42 US GALLONS	159 LITERS

POWER UNITS

HYDRAULIC

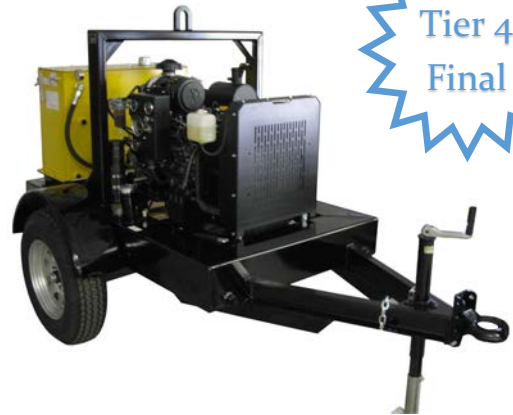
HT45DIV



**Tier 4
Final**

POWER	48 HP ISUZU DIESEL (T4F)	
HYD PUMP	FIXED GEAR	
MAX FLOW	22 GPM	83 LPM
MAX PRESS	3,000 PSI	204 BAR
WEIGHT	2161 LBS	937 KG
FUEL CONSUMPTION	Approx. 2 Gal/Hr (7.6 Ltrs/Hr)	
FUEL CAPACITY	46 US GALLONS	157 LITERS

HT50DYS



**Tier 4
Final**

POWER	48 HP Yanmar DIESEL (T4F)	
HYD PUMP	FIXED GEAR	
MAX FLOW	24 GPM	95 LPM
MAX PRESS	2,500 PSI	179 BAR
WEIGHT	TBD	TBD
FUEL CONSUMPTION	Approx. 4 Gal/Hr (15 Ltrs/Hr)	
FUEL CAPACITY	TBD	TBD

HT6oDJV



**Tier 4
Final**

POWER	74 HP JOHN DEERE DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	30 GPM	114 LPM
MAX PRESS	2,900 PSI	197 BAR
WEIGHT	TBD	TBD
FUEL CONSUMPTION	Approx. 4.53 Gal/Hr (17.1 Ltrs/Hr)	
FUEL CAPACITY	TBD	TBD

HT66DKV



**Tier 4
Final**

POWER	74 HP KOHLER DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	30 GPM	114 LPM
MAX PRESS	2,900 PSI	199 BAR
WEIGHT	3426 LBS	1554 KG
FUEL CONSUMPTION	Approx. 3 Gal/Hr (11.4 Ltrs/Hr)	
FUEL CAPACITY	81 US GALLONS	307 LITERS

HYDRAULIC

POWER UNITS

HT70DHV

Tier 4
Final



POWER	74 HP HATZ DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	30 GPM	114 LPM
MAX PRESS	2,900 PSI	199 BAR
WEIGHT	2,500 LBS	1133 KG
FUEL CONSUMPTION	Approx. 3 Gal/Hr (11.4 Ltrs/Hr)	
FUEL CAPACITY	57 US GALLONS	216 LITERS

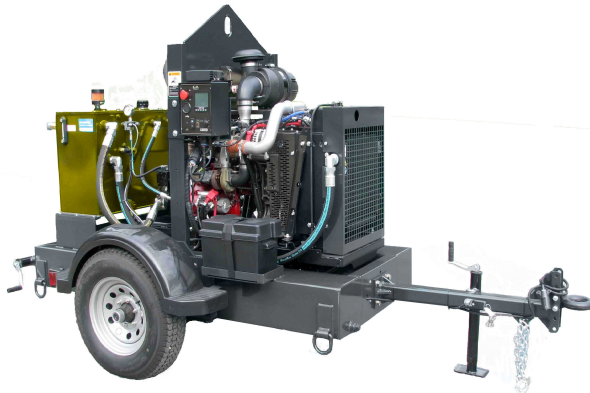
HT74DVD

Tier 4
Final



POWER	74 HP DEUTZ DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	30 GPM	114 LPM
MAX PRESS	2900 PSI	199 BAR
WEIGHT	3,520 LBS	1,600 KG
FUEL CONSUMPTION	Approx. 3 Gal/Hr (11.4 Ltrs/Hr)	
FUEL CAPACITY	80 US GALLONS	302 LITERS

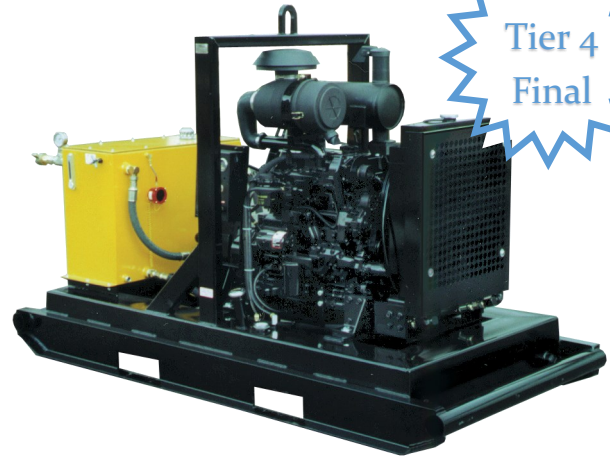
HT74DVC



POWER	74 HP CUMMINS DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	30 GPM	114 LPM
MAX PRESS	2900 PSI	199 BAR
WEIGHT	3,430 LBS	1,560 KG
FUEL CONSUMPTION	Approx. 4.08 Gal/Hr (15.4 Ltrs/Hr)	
FUEL CAPACITY	90 US GALLONS	340 LITERS

HT75DJV

Tier 4
Final

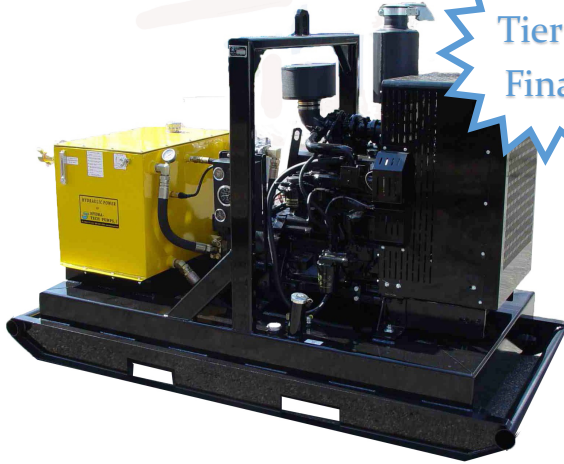


POWER	74 HP JOHN DEERE DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	40 GPM	151 LPM
MAX PRESS	2500 PSI	170 BAR
WEIGHT	TBD	TBD
FUEL CONSUMPTION	Approx. 4.53 Gal/Hr (17.1 Ltrs/Hr)	
FUEL CAPACITY	TBD	TBD

POWER UNITS

HYDRAULIC

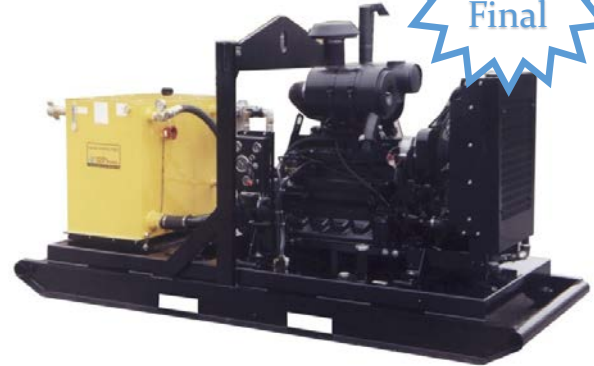
HT100DJV



Tier 4
Final

POWER	99 HP JOHN DEERE DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	53 GPM	201 LPM
MAX PRESS	2500 PSI	170 BAR
WEIGHT	TBD	TBD
FUEL CONSUMPTION	Approx. 5.19 Gal/Hr (19.6 Ltrs/Hr)	
FUEL CAPACITY	TBD	TBD

HT150DJV



Tier 4
Final

POWER	140 HP JOHN DEERE DIESEL (T4F)	
HYD PUMP	VARIABLE PISTON	
MAX FLOW	70 GPM	265 LPM
MAX PRESS	2700 PSI	186 BAR
WEIGHT	TBD	TBD
FUEL CONSUMPTION	Approx. 7.28 Gal/Hr (27.6 Ltrs/Hr)	
FUEL CAPACITY	TBD	TBD

HT200DJV



Tier 4
Final

POWER	200 HP JOHN DEERE DIESEL (T4F)	
HYD PUMP	FIXED GEAR/VARIABLE PISTON	
MAX FLOW	90 GPM	341 LPM
MAX PRESS	3000 PSI	206 BAR
WEIGHT	TBD	TBD
FUEL CONSUMPTION	Approx. 9.75 Gal/Hr (36 Ltrs/Hr)	
FUEL CAPACITY	TBD	TBD

HYDRAULIC POWER UNITS-

ELECTRICALLY DRIVEN

HT7.5E/EV



POWER	7.5 HP TEFC ELECTRIC MOTOR	
HYD PUMP	GEAR / PISTON	
MAX FLOW	7 GPM	26 LPM
MAX PRESS	1,300 PSI	90 BAR
WEIGHT	260 LBS	117 KG

HT30EV



POWER	30 HP TEFC ELECTRIC MOTOR	
HYD PUMP	PRESSURE COMPENSATED PISTON	
MAX FLOW	15 GPM	57 LPM
MAX PRESS	3000 PSI	204 BAR
WEIGHT	1140 LBS	518 KG

HT50EV



POWER	50 HP TEFC ELECTRIC MOTOR	
HYD PUMP	PRESSURE COMPENSATED PISTON	
MAX FLOW	26 GPM	98 LPM
MAX PRESS	2800 PSI	190 BAR
WEIGHT	1,300 LBS	770 KG

HT150EV

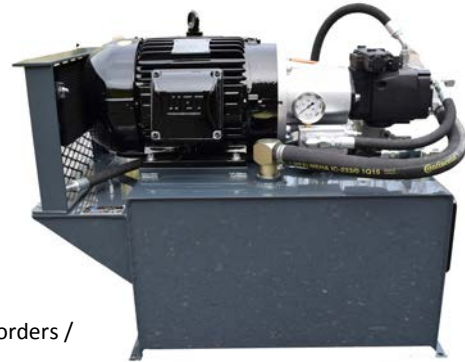


POWER	150 HP TEFC ELECTRIC MOTOR	
HYD PUMP	PRESSURE COMPENSATED PISTON	
MAX FLOW	80 GPM	303 LPM
MAX PRESS	2800 PSI	190 BAR
WEIGHT	1,840 LBS	834 KG

OPTIONS

POWER UNIT

- 4 Point Lifting
- Air Compressor off auxiliary drive
- Aluminum Construction / Stainless Construction
- Cold Weather Start
- Coolant level and temperature gauge / Safety Shutdown
- Foldable picker crane
- Custom Control Circuits for Hydraulic Implement Actuation
- Custom Hydraulic Flows and Pressures (5000+ PSI)
- Custom Paint Color and / or Labeling (This option available with volume orders / commitments)
- Directional Valves (Manual or Solenoid Operated)
- Electric HPU's – NEMA Rated Panels, Start / Stop only or combination panels, GFI Panels, Explosion Proof, 50 Hz
 - Galvanizing
 - Generator (traditional or hydraulically driven)
 - High Hydraulic Oil Temperature Safety Shut Down
 - Hose Reels / Hose Storage / Pump Storage
- HT6G/GE/D/DE, HT11D, HT13G/GE – Wheel Kit Part #9344



- Hydraulic Flowmeter for Testing and Setting Hydraulic Power Units
 - Hydraulic Hoses (Single or Twin line)
 - Hydraulic Reservoir Oil Heater
- Hydraulic Start / Pneumatic Start (for diesel units in an explosion proof environment)
 - Level Controls / Float Controls with AutoStart
 - Locking Enclosure
 - Drip / containment pan
- Low Oil Level Shutdown (Standard on HT16DK and all models greater than 25 HP)
 - Liquid Propane, Natural Gas Engines
- Manual or Electronic Flow Controls / Flow Meters
 - Pneumatically Activated Hydraulic Circuits
- Remote (wired or wireless) engine start / stop control
- Remote (wired or wireless) hydraulic flow start / stop control.
 - Trailer Customization
 - Twin / Multi Hydraulic Circuits
 - Work Lights

S6SCR



- Unique centrifugal screw impeller for pumping of liquids with higher viscosities
- Special versions available for pumping natural latex and molasses
- Can be used inline as a booster pump
- Low emulsifying properties
- Low shear of liquids
- Max Head 300 feet max flow 1800 GPM

S4CHL

- Cast construction in seawater resistant aluminum
- High efficiency closed channel impeller, composite
- Powerful axial piston motor
- Fits into small openings, lightweight and easy to handle
- Competitive price point and low lifetime costs
- Max head 320 feet max flow 1350 GPM



S30M



- A high volume pump for use in a wide range of applications including dam construction and flood control
- High efficiency mixed flow impeller
- High efficiency balanced vane hydraulic motors
- Max head 50 feet Max Flow 25000 GPM

4" Slurry Gate

- Hydraulically operated diverter gate used to redirect discharge flow in the area of the pump to promote mixing of solids into a pumpable slurry
- Used for pump flows to 900 GPM
- Optional tee adapter kit allows for connection to any hydraulic power unit
- Can be used with centrifugal and electric submersible pumps with separate hydraulic power source



HT₂₅DVYPP

- Tier 4 final yanmar diesel engine
- Fuel capacity for more than 18 hours of run time at full load
- Specialized controls for operating cylinders
- Operating pressure to 5000 PSI
- Load sense hydraulic pump for max efficiency

APPLICATIONS



6" submersible pump driven by the HT60DCV diesel power unit was used to divert ground water at a sand plant

- | | |
|---------------------------------|---------------------------------|
| Aerial Fire Fighting | Cofferdam Dewatering |
| Ballast Pumping | Construction Jobsite Dewatering |
| Beach Reclamation | Deep well Dewatering |
| Bilge Pumping | Desilting and Dredging |
| Blast Hole Dewatering | Diver Controlled Vacuuming |
| Centrifugal Pump Suction Assist | Dust Control |
| Chemical Barge Transfer | Drilling Mud Transfer |
| Chemical Waste Lagoons | Drilling Bore Pit Dewatering |

- | | |
|------------------------|---------------------------|
| Digester Cleanout | Lake Drainage |
| Feeding Filter Presses | Landfill Test Wells |
| Fertilizer Mixing | Leachate Recovery |
| Fire Fighting | Manhole Dewatering |
| Fish Farming | Marine Salvage |
| Flood Control | Mine Dewatering |
| Flood Irrigation | Municipal Waste Lagoons |
| Gold Mining | Oil Skimming and Recovery |
| Grit Chamber Cleaning | Paper Pulp Mills |
| Hot Oil Pumping | Phosphate Mining |



This job required divers, using Hydra-Tech's S4THLDI pumps fitted with suction hoses, to remove silt deposits in a power plant intake flume.



On this job the Hydra-Tech S3TC, 3" dewatering pump was used to keep groundwater under control on this pipe laying project.

- | | |
|------------------------------|---------------------------------|
| Pond Cleaning | Ship's Cargo Offloading |
| Portable Sewage Lift Station | Sprinkler Irrigation |
| Power Plant Water Intakes | Stream Diversion |
| Quarry Dewatering | Tank Stripping |
| Refinery Waste Pumping | Tank Truck Decanting Pump |
| Rig Cellar Pumping | Tank Truck Loading |
| Sewer Bypass Pumping | Telephone / Utility Truck Pumps |
| Sewer Relining | Tunnel Dewatering |
| Slurry Pumping | Village Water Supply |

PUMPS

Solids Handling Pumps

With discharge sizes from 2"-12", our solids handling pumps offer customers the chance to select a pump tailored to a specific pumping condition, or the ability to choose an all-around pump which can handle solids, and slurries while still pumping large volumes of water at heads to 300 feet.

Shredder Pumps

Our shredder pump series features tungsten carbide tipped impellers working with a macerator suction plate to produce a violent shredding action that keeps the discharge open.

Sand and Slurry Pumps

These heavy duty and powerful material movers have hardened wear components. The built in agitator mixes and suspends the solids to be pumped. Our sand and slurry series makes it easy and cost effective to pump heavy slurries containing lime, mill, scale, coal, ash, silt, food waste or sand and gravel. Ideal pumps for light dredging, sand bag or geo-tube filling and moving mine tailings.

Specialty Pumps

Dropping a pump in Butterworth opening, conquering high head applications and moving viscous materials are just some of the options available with the line of specialty pumps from Hydra-Tech Pumps.

General Purpose Pumps

Open channel impeller pumps combined with close internal clearances allow for high efficiency clean water pumping with some solids handling capability.

Axial Pumps

Designed for efficiently pumping high volumes of water at relatively low heads.

Slim Line Pumps

Slim Line Pumps are designed for use as dewatering pumps where space is limited.

Typical applications for these pumps are manholes, vaults, well casings, blast holes, mine and construction job sites.

SOLIDS

S₂T-2



S₂TAL-2



DISCHARGE SIZE	2"	5 CM
SOLIDS HANDLING	1 1/2"	3.8 CM
MAX FLOW	185 GPM	700 LPM
MAX HEAD	92 FEET	28 M
MAX HYD INPUT	5 GPM	18 LPM
MAX HYD PRESSURE	2500 PSI	170 BAR
MAX WIDTH	9 3/8"	24 CM
WEIGHT (DI/AL)	25 LBS/ 17 LBS	11 KG/8 KG

S₃T



S₃TDI



DISCHARGE SIZE	3"	7.6 CM
SOLIDS HANDLING	2 1/2"	6.3 CM
MAX FLOW	385 GPM	1457 LPM
MAX HEAD	76 FEET	23 M
MAX HYD INPUT	8 GPM	30 LPM
MAX HYD PRESSURE	2500 PSI	170 BAR
MAX WIDTH	11 3/4"	30 CM
WEIGHT (DI/AL)	25 LBS/ 48 LBS	11 KG/ 22 KG

S₃TR



S₃TRDI



DISCHARGE SIZE	3"	7.6 CM
SOLIDS HANDLING	2 1/2"	6.3 CM
MAX FLOW	360 GPM	1363 LPM
MAX HEAD	69 FEET	21 M
MAX HYD INPUT	8 GPM	30 LPM
MAX HYD PRESSURE	2500 PSI	170 BAR
MAX WIDTH	11 3/4"	30 CM
WEIGHT (DI/AL)	56 LBS/28 LBS	25 KG/13 KG

S₃VHL



S₃VHLDI



DISCHARGE SIZE	3"	8 CM
SOLIDS HANDLING	3"	8 CM
MAX FLOW	700 GPM	2650 LPM
MAX HEAD	160 FEET	48 M
MAX HYD INPUT	18 GPM	68 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
MAX WIDTH	19 3/4"	50 CM
WEIGHT (DI/AL)	176 LBS/ 289 LBS (DI)	80 KG/ 131 KG

HANDLING PUMPS

SOLIDS

S4T



DISCHARGE SIZE	4"	10 CM
SOLIDS HANDLING	3"	8 CM
MAX FLOW	850 GPM	3218 LPM
MAX HEAD	110 FEET	33 M
MAX HYD INPUT	16 GPM	60 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
MAX WIDTH	19 1/2"	50 CM
WEIGHT (DI)	140 LBS	63 KG

S4T-2



S4TDI-2



DISCHARGE SIZE	4"	10 CM
SOLIDS HANDLING	3"	8 CM
MAX FLOW	725 GPM	2744 LPM
MAX HEAD	125 FEET	38 M
MAX HYD INPUT	21 GPM	79 LPM
MAX HYD PRESSURE	2600 PSI	177 BAR
MAX WIDTH	19 1/2"	50 CM
WEIGHT (AL/DI)	82 LBS/ 140 LBS	37 KG/ 63 KG

S4THLDI

S4THL



DISCHARGE SIZE	4"	10 CM
SOLIDS HANDLING	3 1/2"	9 CM
MAX FLOW	1000 GPM	3785 LPM
MAX HEAD	215 FEET	65 M
MAX HYD INPUT	30 GPM	114 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
MAX WIDTH	25 1/2"	65 CM
WEIGHT(AL/DI)	209LBS /294 LBS	95 KG / 133 KG

S4VHL



S4VHLDI



DISCHARGE SIZE	4"	10 CM
SOLIDS HANDLING	3"	8 CM
MAX FLOW	750 GPM	3218 LPM
MAX HEAD	210 FEET	64 M
MAX HYD INPUT	25 GPM	95 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
MAX WIDTH	19 3/4"	50 CM
WEIGHT(AL/DI)	165 LBS/ 265 LBS	72 / 120 KG

SOLIDS

HANDLING PUMPS

S6T



S6TDI



S6V



S6VAL



DISCHARGE SIZE	6"	15 CM
SOLIDS HANDLING	5"	13 CM
MAX FLOW	1625 GPM	6151 LPM
MAX HEAD	120 FEET	36.6 M
MAX HYD INPUT	30 GPM	114 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT (AL/DI)	202 LBS/ 330 LBS	92 / 150 KG

DISCHARGE SIZE	6"	15 CM
SOLIDS HANDLING	5"	12.7 CM
MAX FLOW	1550 GPM	5867 LPM
MAX HEAD	70 FEET	21.3M
MAX HYD INPUT	30 GPM	114 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT (DI/AL)	247 LBS/ 164 LBS	112 KG / 74 KG

S6TC



S6TCAL



DISCHARGE SIZE	6"	15 CM
SOLIDS HANDLING	3"	8 CM
MAX FLOW	1900 GPM	7192 LPM
MAX HEAD	125 FEET	38.1 M
MAX HYD INPUT	28 GPM	106 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT (DI/AL)	270 LBS/ 175LBS	122 KG / 80 KG

HANDLING PUMPS

SOLIDS

S8T



S10T



DISCHARGE SIZE	8"	20 CM
SOLIDS HANDLING	7"	17 CM
MAX FLOW	4500 GPM	17033 LPM
MAX HEAD	140 FEET	42 M
MAX HYD INPUT	70 GPM	265 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT(DI)	536 LBS	243 KG

DISCHARGE SIZE	10"	15 CM
SOLIDS HANDLING	8"	20 CM
MAX FLOW	5000 GPM	18930 LPM
MAX HEAD	100 FEET	30 M
MAX HYD INPUT	70 GPM	265 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT(DI)	745 LBS	346 KG



S6150



DISCHARGE SIZE	6"	15 CM
SOLIDS HANDLING	3"	8 CM
MAX FLOW	2450 GPM	9273 LPM
MAX HEAD	310 FEET	94.5 M
MAX HYD INPUT	90 GPM	340 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT(DI)	650 LBS	294 KG

S6200



DISCHARGE SIZE	8"	20 CM
SOLIDS HANDLING	4"	10 CM
MAX FLOW	3500 GPM	13248 LPM
MAX HEAD	220 FEET	67.1 M
MAX HYD INPUT	90 GPM	340 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT(DI)	715 LBS	324 KG

S6250



DISCHARGE SIZE	10"	25 CM
SOLIDS HANDLING	5"	13 CM
MAX FLOW	5200 GPM	19682 LPM
MAX HEAD	190 FEET	57.9 M
MAX HYD INPUT	90 GPM	340 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT(DI)	739 LBS	336 KG

S6300



DISCHARGE SIZE	12"	30 CM
SOLIDS HANDLING	5"	12 CM
MAX FLOW	8500 GPM	32173 LPM
MAX HEAD	110 FEET	57.9 M
MAX HYD INPUT	90 GPM	340 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT(DI)	979 LBS	444 KG

PUMPS

S₃SHR

DISCHARGE SIZE	3"	8 CM
SOLIDS HANDLING	1.6"	4 CM
MAX FLOW	360 GPM	1363 LPM
MAX HEAD	135 FEET	41 M
MAX HYD INPUT	10 GPM	38 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT (DI)	73 LBS	33 KG

S₄SHR

DISCHARGE SIZE	4"	10 CM
SOLIDS HANDLING	3 1/2"	9 CM
MAX FLOW	810 GPM	3066 GPM
MAX HEAD	125 FEET	38.1 M
MAX HYD INPUT	15 GPM	57 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT (DI)	254 LBS	115 KG

S₄SHR-LP

DISCHARGE SIZE	4"	10 CM
SOLIDS HANDLING	3 1/2"	9 CM
MAX FLOW	810 GPM	3066 LPM
MAX HEAD	125 FEET	38 M
MAX HYD INPUT	15 GPM	57 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT (DI)	225 LBS	102 KG

S₆SHR

DISCHARGE SIZE	6"	15 CM
SOLIDS HANDLING	3 1/2"	9 CM
MAX FLOW	1000 GPM	3785 LPM
MAX HEAD	172 FEET	52.4 M
MAX HYD INPUT	30 GPM	114 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
WEIGHT (DI)	418 LBS	190 KG

S3CSL



DISCHARGE SIZE	3"	8 CM
SOLIDS HANDLING	1 1/2"	4 CM
MAX FLOW	460 GPM	1741 LPM
MAX HEAD	85 FEET	25.9 M
MAX HYD INPUT	5-8 GPM	18-30 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
MAX WIDTH	16 1/4"	41 CM
WEIGHT(DI)	231 LBS	105 KG

S4CSL



DISCHARGE SIZE	4"	10 CM
SOLIDS HANDLING	1 1/2"	4 CM
MAX FLOW	740 GPM	2801 LPM
MAX HEAD	100 FEET	30.5 M
MAX HYD INPUT	10-15 GPM	37 -56 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
MAX WIDTH	16 1/4"	41 CM
WEIGHT(DI)	273 LBS	124 KG

S6CSL



DISCHARGE SIZE	6"	15 CM
SOLIDS HANDLING	1 1/2"	4 CM
MAX FLOW	1250 GPM	4731 LPM
MAX HEAD	135 FEET	41.1 M
MAX HYD INPUT	27 GPM	102 LPM
MAX HYD PRESSURE	3000 PSI	204 BAR
MAX WIDTH	21 1/4"	54 CM
WEIGHT (DI)	528 LBS	240 KG

PUMPS

SCREW

S₃SCR



DISCHARGE SIZE	3"	8 CM
SOLIDS HANDLING	1 1/2"	4 CM
MAX FLOW	575 GPM	2176 LPM
MAX HEAD	150 FEET	45.7 M
MAX HYD INPUT	11 GPM	42 LPM
MAX HYD PRESSURE	3500 PSI	204 BAR
WEIGHT (AL)	43 LBS	20 KG

S₄SCR



DISCHARGE SIZE	4"	10 CM
SOLIDS HANDLING	1 3/4"	4.5 CM
MAX FLOW	900 GPM	3407 LPM
MAX HEAD	165 FEET	50 M
MAX HYD INPUT	12 GPM	45 LPM
MAX HYD PRESSURE	4000 PSI	272 BAR
WEIGHT (AL)	54 LBS	24.5 KG

S₆SCR



DISCHARGE SIZE	6"	15 CM
SOLIDS HANDLING	2"	5 CM
MAX FLOW	1800 GPM	6814 LPM
MAX HEAD	300 FEET	91 M
MAX HYD INPUT	39 GPM	150 LPM
MAX HYD PRESSURE	4500 PSI	310 BAR
WEIGHT (AL)	182 LBS	83 KG

S₃CHL



S₃CHLAL



S₃CML



DISCHARGE SIZE	2"	5 CM
MAX DIAMETER	11 3/4"	30 CM
MAX FLOW	500 GPM	1893 LPM
MAX HEAD	425 FEET	129.5 M
MAX HYD INPUT	30 GPM	114 LPM
MAX HYD PRESSURE	3500 PSI	241 BAR
WEIGHT(DI/AL)	88 LBS/ 45 LBS	40 KG/ 21 KG

DISCHARGE SIZE	2"	5 CM
MAX DIAMETER	11 3/4"	30 CM
MAX FLOW	480 GPM	1817 LPM
MAX HEAD	400 FEET	122 M
MAX HYD INPUT	16 GPM	61 LPM
MAX HYD PRESSURE	3500 PSI	241 BAR
WEIGHT (AL)	45 LBS	21 KG

S₄CHL



DISCHARGE SIZE	4"	10 CM
MAX DIAMETER	11 3/4"	30 CM
MAX FLOW	1350 GPM	5110 LPM
MAX HEAD	320 FEET	97 M
MAX HYD INPUT	31 GPM	120 LPM
MAX HYD PRESSURE	4500 PSI	306 BAR
WEIGHT (AL)	70 LBS	32 KG

PURPOSE PUMPS

GENERAL

S₂C



DISCHARGE SIZE	2"	5 CM
SOLIDS HANDLING	1/4"	.6 CM
MAX FLOW	95 GPM	360 LPM
MAX HEAD	65 FEET	19.8 M
MAX HYD INPUT	1.5 GPM	6 LPM
MAX HYD PRESSURE	2500 PSI	170 BAR
WEIGHT (AL)	12 LBS	6 KG

S₂TCAL-2

S₂TC-2



DISCHARGE SIZE	2"	5 CM
SOLIDS HANDLING	1"	2.5 CM
MAX FLOW	210 GPM	795 LPM
MAX HEAD	125 FEET	38.1 M
MAX HYD INPUT	5 GPM	18 LPM
MAX HYD PRESSURE	2500 PSI	170 BAR
WEIGHT (DI/AL)	25 LBS / 17 LBS	11 KG / 7.7 KG

S₃TCDI

S₃TC



DISCHARGE SIZE	3"	8 CM
SOLIDS HANDLING	3/4"	2 CM
MAX FLOW	450 GPM	1703 LPM
MAX HEAD	92 FEET	28 M
MAX HYD INPUT	8 GPM	30 LPM
MAX HYD PRESSURE	2500 PSI	170 BAR
WEIGHT (AL/DI)	28 LBS / 52 LBS	13 KG / 24 KG

S₄TLP



S₄TLPAL



DISCHARGE SIZE	4"	10 CM
SOLIDS HANDLING	3"	8 CM
MAX FLOW	800 GPM	3028 LPM
MAX HEAD	85 FEET	25.9 M
MAX HYD INPUT	10 GPM	38 LPM
MAX HYD PRESSURE	2800 PSI	190 BAR
WEIGHT (DI/AL)	107 LBS / 68 LBS	49 KG / 31 KG

AXIAL FLOW

WATER PUMPS



S6P



S8M



DISCHARGE SIZE	6"	15 CM
MAX DIAMETER	14"	35 CM
MAX FLOW	1180 GPM	4466 LPM
MAX HEAD	25 FEET	7.6 M
MAX HYD INPUT	6.5 GPM	24 LPM
MAX HYD PRESSURE	2750 PSI	189 BAR
WEIGHT (AL)	40 LBS	20 KG

DISCHARGE SIZE	8"	20 CM
MAX DIAMETER	18 1/2"	47 CM
MAX FLOW	2000 GPM	4466 LPM
MAX HEAD	59 FEET	7.6 M
MAX HYD INPUT	18 GPM	68 LPM
MAX HYD PRESSURE	2800 PSI	190 BAR
WEIGHT (DI)	190 LBS	86 KG

* Maximum diameter measured at widest point possible with wing nut coupler

WATER PUMPS

S12M



DISCHARGE SIZE	12"	30 CM
MAX DIAMETER	27 1/2"	70 CM
MAX FLOW	4200 GPM	15897 LPM
MAX HEAD	52 FEET	15.8 M
MAX HYD INPUT	26 GPM	98 LPM
MAX HYD PRESSURE	2900 PSI	197 BAR
WEIGHT (DI)	385 LBS	175 KG

S18M



DISCHARGE SIZE	18"	46 CM
MAX DIAMETER	40 1/2"	103 CM
MAX FLOW	10000 GPM	37850 LPM
MAX HEAD	60 FEET	18 M
MAX HYD INPUT	70 GPM	264 LPM
MAX HYD PRESSURE	2500 PSI	170 BAR
WEIGHT (DI)	920 LBS	418 KG

S24M



DISCHARGE SIZE	24"	60 CM
MAX DIAMETER	43"	109 CM
MAX FLOW	18000 GPM	68130 LPM
MAX HEAD	40 FEET	12 M
MAX HYD INPUT	110 GPM	341 LPM
MAX HYD PRESSURE	3500 PSI	238 BAR
WEIGHT (DI)	1619 LBS	734 KG

S30M



DISCHARGE SIZE	30"	76 CM
MAX DIAMETER	48"	122 CM
MAX FLOW	25000 GPM	94640 LPM
MAX HEAD	52 FEET	15 M
MAX HYD INPUT	150 GPM	567 LPM
MAX HYD PRESSURE	3500 PSI	238 BAR
WEIGHT (DI)	2871 LBS	1302 KG

* Maximum diameter measured at widest point possible with wing nut coupler

S310



DISCHARGE SIZE	1 1/4"	3 CM
MAX DIAMETER	3 1/8"	8 CM
MAX FLOW	60 GPM	227 LPM
MAX HEAD	195 FEET	59.4 M
MAX HYD INPUT	6 GPM	23 LPM
MAX HYD PRESSURE	1800 PSI	122 BAR
WEIGHT (AL)	9 LBS	4 KG

S310-3



DISCHARGE SIZE	1 1/4"	3 CM
MAX DIAMETER	3 1/8"	8 CM
MAX FLOW	60 GPM	227 LPM
MAX HEAD	285 FEET	86.9 M
MAX HYD INPUT	6 GPM	23 LPM
MAX HYD PRESSURE	2400 PSI	163 BAR
WEIGHT (AL)	10 LBS	5 KG

S1.5A



DISCHARGE SIZE	1 1/2"	3 CM
MAX DIAMETER	5 5/16"	14 CM
MAX FLOW	135 GPM	511 LPM
MAX HEAD	125 FEET	38.1 M
MAX HYD INPUT	7 GPM	26 LPM
MAX HYD PRESSURE	2000 PSI	136 BAR
WEIGHT(AL)	17 LBS	8 KG

S3A






DISCHARGE SIZE	3"	7 CM
MAX DIAMETER	7 1/2"	19 CM
MAX FLOW	360 GPM	1363 LPM
MAX HEAD	200 FEET	61 M
MAX HYD INPUT	12 GPM	45 LPM
MAX HYD PRESSURE	2300 PSI	156 BAR
WEIGHT (AL)	41 LBS	19 KG

HYDRAULIC POWER UNITS GROUPED BY HORSEPOWER									
MODEL	HT 6-7	HT 11-13	HT 20-25	HT 30-35	HT 50-60	HT75	HT100	HT150	HT200
S310	X	X							
S2T/TC-2	X	X							
S1.5A		X							
S3T/S3TR		X							
S3TC		X							
S6P		X							
S3CSL		X	X						
S3SCR		X	X						
S3SHR		X	X						
S4TLP		X	X						
S3A			X						
S3CML			X	X					
S3VHL			X	X					
S4T			X	X					
S4T-2			X	X					
S4CSL			X	X					
S8M			X	X					
S4SCR			X	X					
S4SHR/LP			X	X					
S4VHL					X	X			
S6T					X	X			
S6SHR					X	X			
S3CHL					X	X			
S4THL					X	X			
S4CHL					X	X			
S6TC					X	X			
S6V					X	X			
S6CSL					X	X			
S12M					X	X			
S6SCR					X	X			
S8T							X	X	
S10T							X	X	
S18M							X	X	
S24M							X	X	
S6150							X	X	X
S6200							X	X	X
S6250							X	X	X
S6300							X	X	X

HYDRA-TECH SUBMERSIBLE PUMPS

* Call for S30M hydraulic unit requirements

-  Recommended Pump/Power Unit combination. Other combinations may be used. Consult Factory
-  Can be used individually, or in multiples with proper flow control
-  N/A

Lagoon Raft



This floating raft is designed to suspend any pump up to 350 pounds in a body of water.

Silt Jetting Ring



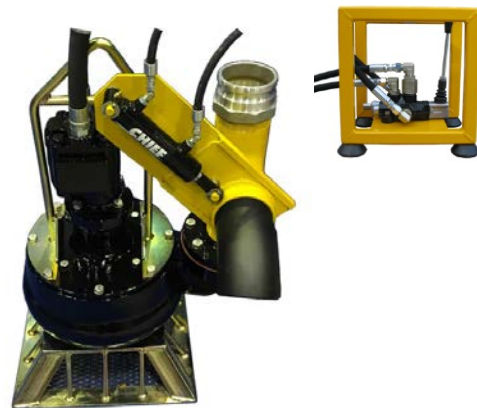
Silt jetting rings are used in conjunction with an external water supply to agitate solid material into suspension and allow the mixture to be pumped. Available in 2", 3", 4", 6", and 8".

Hydra-Tect



Available in 3 different flow ranges (0-8, 0-16 and 5-30 GPM) this controller provides adjustable flow control to submersible pumps or hydraulic tools to be connected to hydraulic power sources such as tractors, utility trucks or other machines that have hydraulic power available. Built in check valve prevents running in reverse.

Slurry Gate

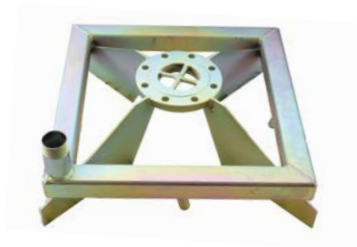
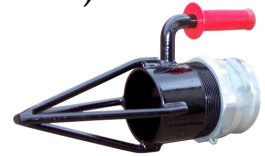


The 4" Slurry Gate diverter is a hydraulically operated diverter gate that is used to redirect discharge flow in the area of the pump to promote mixing of solids into a pumpable slurry. Available in 3" (for VHL) and 6" as well.

OPTIONS

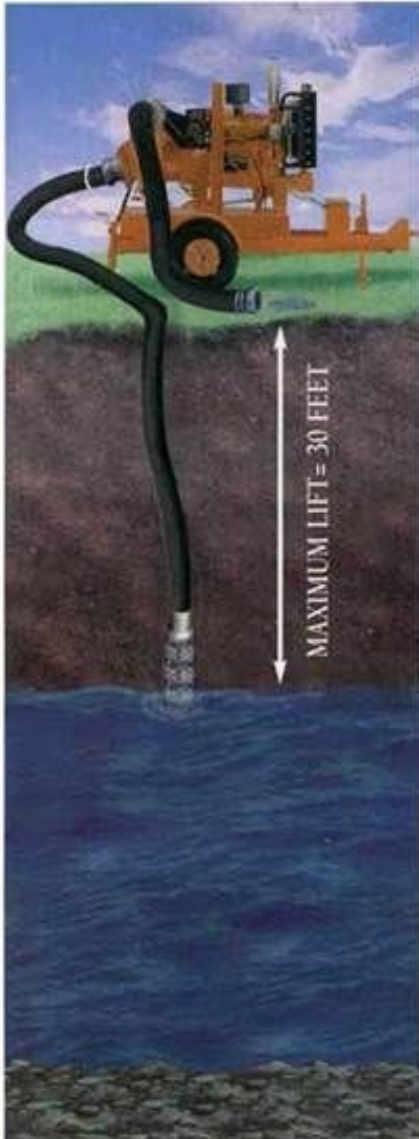
PUMP

- Alternate Hydraulic Motor Displacements (some models)
- Booster Pumps Applications
- Roll Cage
- Custom Paint Color and / or Labeling – This option available with volume orders / commitments.
- Discharge Hose & Fittings
- Diver Nozzle
- Float / Lagoon Raft
- Flow Controls
- Horizontal Discharge (some models)
- Hydra-Gate Diverter Valve
- Hydraulic Hoses / Pigtails / Custom Hydraulic Fittings
- Jetting Ring
- Level Controls / Float Controls with Auto Start
- Pressure Equalizer for Deep Water Applications
- Slurry Gate
- Stainless Construction (some models)
- Suction or Discharge Adapters
- Water / Trash Strainer (some models)
- Certified Test Curves (some models)



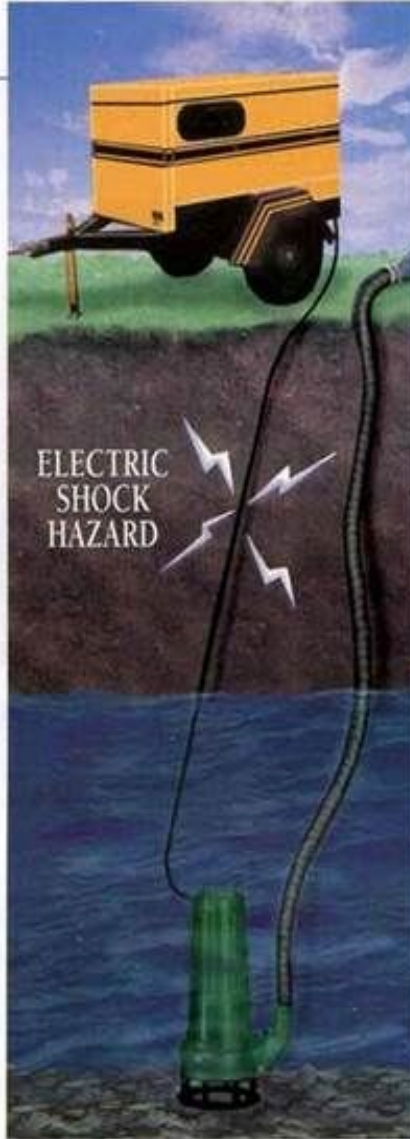
Compare The 3 Types Of Pumps and Decide For Yourself

Dry Priming or Self-Priming Centrifugal Pump



- Effective only at low suction lifts
- Volume is greatly reduced at suction lifts over 15 feet
- Maximum suction lifts only 25 to 30 feet

Electric Submersible Pump with Generator



- Submersible pump is not affected by suction lift limitations
- Generator must run at constant full speed at all times
- Fuel usage is high regardless of demand on pump
- May be unsafe to operate in certain areas
- Potential shock hazard
- Costly to repair

HYDRA-TECH PUMPS, INC. Hydraulic Submersible Pump System



- Submersible pump is not affected by suction lift limitations
- Variable pump speed to suit job conditions
- High overall efficiency and low fuel consumption
- Can be used in hazardous environments
- Many different pumps can be driven from a single power unit
- Pump and power unit are field serviceable
- Easy and inexpensive to maintain



Hydra-Tech Pumps
167 Stock St
Nesquehoning, PA 18240
Phone: 570-645-3779
Fax: 570-645-4061
Website: www.hydra-tech.com
Email: htpump@hydra-tech.com

