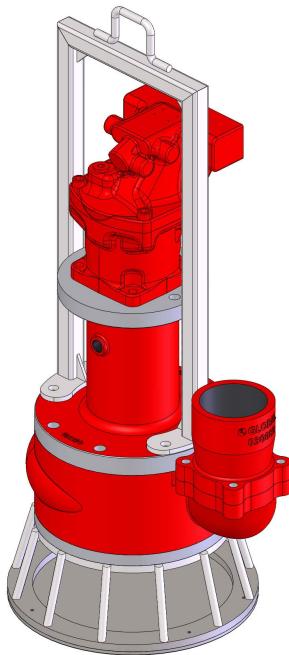


4GSTHY

GLOBAL STANDARD TRASH HYDRAULIC SUBMERSIBLE PUMP



Global Pump® Standard Trash Hydraulic Submersible pumps are specifically designed to effectively handle a wide range of liquids from water to sewage and sludge that can contain solids and other material.

Global Standard Trash Hydraulic Submersible pumps provide a dependable, highly efficient solution. The 4GSTHY model is capable of achieving maximum flows of 1010 gpm (229.4 m³/h) and maximum total head of 78' (23.7 m) while handling solids up to 3" (76.2 mm) in diameter.

The standard 4GSTHY is powered by a power pack, 4-cylinder diesel engine. Alternative drives are available, including other diesel engines or electric motor options. Global Pump's rugged, heavy duty power packs and submersible pumps are engineered specifically for portable applications. Hydraulic power pack and pump sized together for efficient performance. Skid-mounted formats with tie downs, lifting bail, and fork pockets.

PUMP FEATURES

Mechanical seal with oil lubrication allows the pump to start and run dry

Pump casings are hydrostatically tested to 50 psig (345 kPa) above the peak casing design pressure

Efficient two vane closed impeller

Variable speed hydraulic drive provides a wide range of performance

Safe hydraulic drive can be used where electric power is hazardous or impractical

OPTIONS

Fuel cubes for extended run times and/or remote location as required

Sound attenuated enclosure options

Highway trailer with integral fuel cell/chassis, lights, fenders, tie downs, lifting bail, front and rear jacks; trailer brakes are available if required

POWERPACK FEATURES

System relief valve

High efficiency hydraulic pump

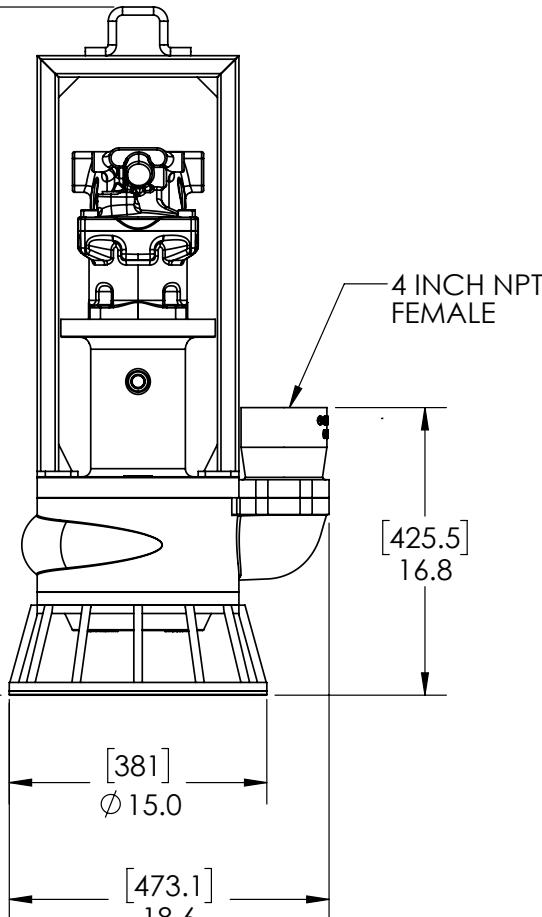
Standard engine control panel provides preset emergency shutdown protection and allows the addition of automatic level control

Hydraulic oil cooler

Dual spin-on return filter with indicator

Hose racks, accessory containers and other custom features available as required

Wide range of discharge fittings including Global Pump's own "QD" Quick Disconnect fittings and accessories

**PUMP SPECIFICATIONS**

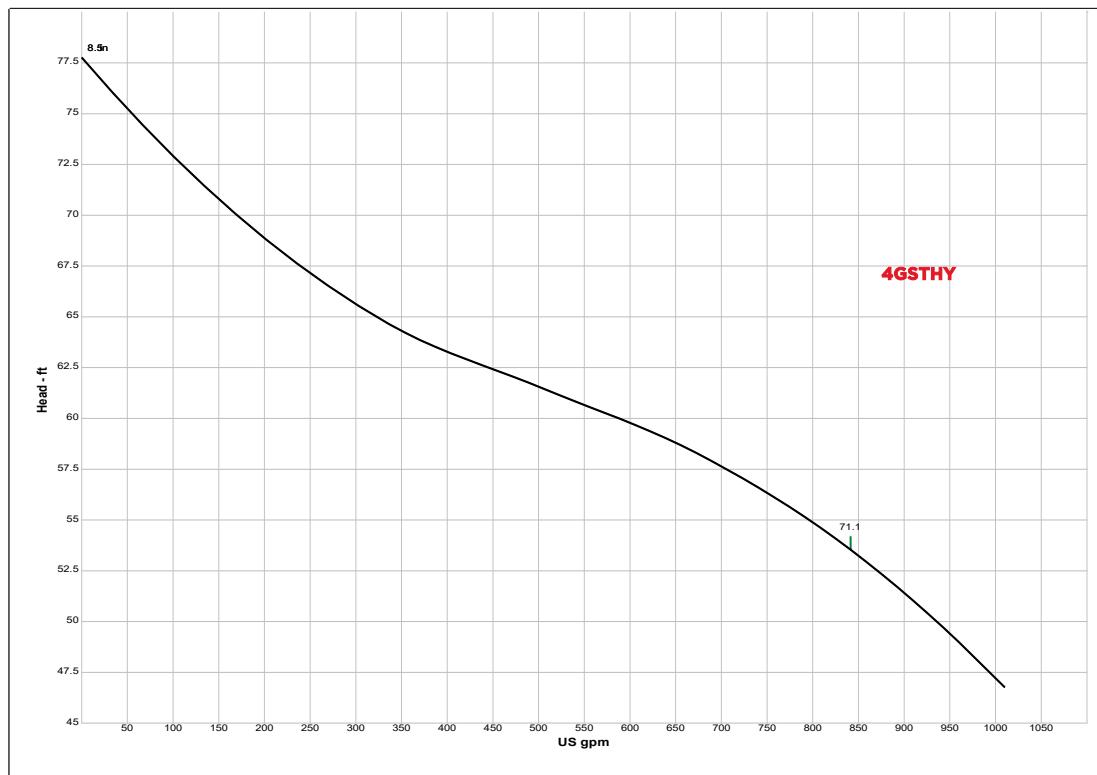
Connections	4" NPT Discharge
Max Pump Speed	2300 rpm
Max Flow	1010 gpm (229.4 m ³ /h)
Max Head	77.8' (23.7 m)
Temperature Limit	160° F (70° C)
Solids Handling Capability	3" (76.2 mm)
Max Casing Pressure	125 psig (862 kPa)

POWER PACK SPECIFICATIONS

Engine	Diesel (Tier 4 Final)
Horsepower	24 hp @ 2300 rpm
Hydraulic Output	Variable, Max 13 gpm (2.9 lpm)
Operating Pressure	2300 psi (159 Bar)
Hydraulic Oil	AWS 460.1
Oil Filtration	10 Micron Standard
Oil Reservoir Capacity	61 U.S. Gallons (278 Liters)

PUMP MATERIAL

Casing	Cast Iron (CD4MCu is an option)
Impeller	Cast Iron (CD4MCu is an option)
Bearing Housing	Cast Iron
Bearing Lubrication	Oil
Shaft	Steel
Seal	Silicon Carbide on Silicon Carbide
Chassis/Fuel Cell	Steel


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