DAE Pumps

DESIGNED AND ENGINEERED PUMPING SOLUTIONS

Growler 1000

4” Hydraulic Dredge Pump

with 2 Side Agitators

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Growler 1000

4” Hydraulic Dredge Pump with 2 Side Agitators

The DAE Pumps Growler 1000 Hydraulic Dredge Pump with 2 Side Agitators is a highly durable and reliable dredge pump for transporting solids and a variety of other materials.

Built with two heavy-duty excavator-grade agitators. The industry’s top dredge pump is capable of moving up to 13-58 cubic yards of solids per hour 185 to 792 GPM. The DAE Pumps Growler 1000 provides non-clogging suction power to excavate and pump some of the most challenging dredging situations.

The suction power of the mighty pump can handle solids up to 1.25-inches moving up to 30% of solids through a 4-inch discharge.

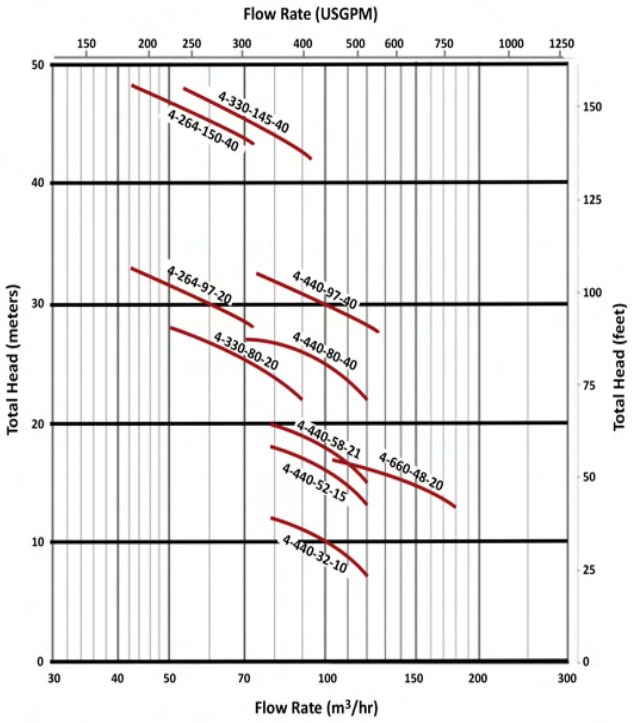
- 4-inch Pump
- 185 792 GPM
- 2 Side Agitators
- Solids Handling up to 1.255 in
- Pumps up to 30% Solids
- Highly Durable Abrasion Resistant
- Over 150 Ft Head
- Interchangeable Hard Tooth Cutter Heads
- Robust Motor for Strong Torque

4” Growler 1000

Pump Models

Model	GPM	Head (Ft)	HP	Yards³ / Hour
Growler 1000-4-264-97-20	185 264 317	106 97 87	20	13 19 23
Growler 1000-4-264-150-40	185 264 317	159 150 140	40	13 19 23
Growler 1000-4-330-80-20	229 330 396	90 80 71	20	17 24 29
Growler 1000-4-330-145-40	229 330 396	154 145 135	40	17 24 29
Growler 1000-4-440-32-10	308 440 528	39 32 25	10	22 32 39
Growler 1000-4-440-52-15	308 440 528	59 52 45	15	22 32 39
Growler 1000-4-440-58-21	308 440 528	64 58 48	21	22 32 39
Growler 1000-4-440-80-40	308 440 528	90 80 71	40	22 32 39
Growler 1000-4-440-97-40	308 440 528	106 97 84	40	22 32 39
Growler 1000-4-660-48-20	462 660 792	55 48 43	20	34 49 58

Pump Curve



Side Agitators

Available in Multiple Powers Options

5 HP / 7.5 HP
10 HP / 15 HP / 20 HP

Cable Deployed Dredge Pump

Excavator Mounted Dredge Pump

Hydraulic Slurry Pumps

Durable hydraulic slurry pumps. Versatile and rugged solution for the transfer of abrasive and high density slurries in mining, civil construction, industry and other heavy duty applications.

VERSATILE HEAVY DUTY SOLUTION

Growler 1000 series are a heavy duty, hydraulic submersible slurry pumps designed to handle a wide range of slurries and abrasive particles in submersible applications in mining and industry.

Growler pumps feature a rugged construction using the highest quality materials to ensure reliable performance and excellent service life. The high quality hydraulic motors incorporate multiple protection features to detect the ingress of water or excessive temperatures to shut off the pump and prevent damage.

LARGE CUT WATER CLEARANCE

The pump casing features a large cut water clearance which allows the easy passage of large solids and reduces wear and erosion to improve service life and prevent loss of efficiency.

INTEGRAL AGITATOR

The 27% chrome white iron agitator assists in the pumping of slurries by breaking up large particles and

agitating high concentrations of solids.

HEAVY DUTY CONSTRUCTION

The pump casing, impeller, backplate and agitator are manufactured from high quality 27% chrome white iron. This extremely tough construction material can withstand continuous use in heavy duty applications and allows the pump to transfer abrasive and dense slurries with minimal wear. The pumps feature a replaceable backplate allowing for simple servicing and easy replacement of worn components.

MOTOR INSULATION

Motor insulation is used to ensure reliable operation in heavy duty applications in temperatures up to +70°C.

SUPPORT FRAME AND STRAINER

A heavy duty mild steel frame with round base and strainer provide excellent stability and durability whilst preventing blockages.

DOUBLE MECHANICAL SEAL

A double mechanical seal provides excellent shaft sealing between the electric motor and wet end. The seals are oil bath lubricated and feature carbon/ceramic seal faces in the wet end and tungsten ceramic faces in the drive end to provide excellent durability and service life across a wide range of duties and applications.

OIL CHAMBER LEAKAGE PROBE

The oil chamber incorporates a water leakage probe which detects when the water-to-oil ratio is too high and automatically shuts down the motor to prevent damage.

MOTOR FLOAT SWITCH

A float switch is located in the bottom of the motor to detect the ingress of water and shut down the motor to prevent damage due to shorting out.

MOTOR TEMPERATURE SENSORS

Temperature sensors are located in the motor stator to detect excessive temperatures and can shut down the motor to prevent damage due to overheating.

THRUST BEARING SENSORS

Temperature and moisture sensors are located in the motor thrust bearings to detect excessive temperatures and the ingress of water and shut down the motor to prevent bearing failure.

OPTIONAL EXTERNAL COOLING

Cooling jackets can be provided with external water supply in high temperature applications to keep motor temperature down and prevent excessive stator and bearing damage.