

SPECIFICATIONS LWT Pit Hog PHD-78

Physical:

Flotation – Two cylindrical pontoons, 30” Dia. x 26’-0” O.A.L x 10 gauge.
Transportation Length - 29’-7 3/8”
Transport Width - 8’-5” with auger motors removed
Transportation Height – 8’-6”
Operational Weight – 10,000 Lbs
Maximum Digging Depth - 14’
Operational Draft - 20”

Power:

Caterpillar C3.4T Rated 78hp @ 2,500 RPM

Dredge Controls:

Radio Remote – Hand Held Transmitter (1000 feet max)
Slurry Pump On/Off
Auger On /Off
Travel Forward/Off/Reverse and Speed Control
Boom Hoist Up/Down – Upward Elevation Limit Switch
Multi-Color Light Tree – Colored Light for each function

Slurry Pump:

Submersible Pump w/ Hydraulic Submersible Motor
Centrifugal, Solids handling Impeller
Basic Construction – Cast Iron
Pump Speed – 1000 RPM
Suction Diameter – 6 Inches
Discharge Diameter – 6 Inches
Impeller Diameter, inches - 14”
Sphere size, inches (max) 2.4”

Design -Capacity:
- 1000 GPM @ 40 ft head (water)

Auger Head:

Auger with Shroud - Welded Steel Construction
Helix – 10” Dia. X 9” pitch – 3/8” Thick Flighting
Speed 60 RPM
Torque 4,000 In.-Lbs.
Length, Overall - 8’-2 1/2”
Cutter Knives (Optional) – 7 Left-Hands and 7 Right-Hand

Propulsion:

Treble Sheave Hydraulic Winch w/ 3/8” Diameter Wire Rope
Hydraulic Motor with Planetary Gear Reducer Drive
Traverse Speed Variable from 0 to 30 FPM

Hydraulics:

Four Circuits – Slurry Pump, Auger-Cutter, Traverse Winch and Hoist Winch
Flow Controls – 3-Position, 4-Way Directional Control Valves w/ Electronic Flow Control for Winch Speed
Hydraulic Pump Output @2500 RPM - 40 GPM
Hydraulic Relief Pressure - 2,500 PSI
Hydraulic Reservoir Capacity – 40 US Gallons
High Oil Temperature and Low Oil Level Shutdown Switch in Reservoir

Coating System:

All surfaces contacting the liquid in the pond shall be sand blasted and given two coats of marine epoxy coating and one coat of marine urethane coating with a total dry film thickness of 12 mils minimum. All other surfaces shall be primed and coated with a coat of marine epoxy and a top coat of acrylic polyurethane with a total dry film thickness of 5 mils minimum. Electric motors, hydraulic components etc. are installed as received with coatings applied by the original equipment manufacturer.

Liquid Waste Technology is the innovative leader in the design and manufacture of sludge handling equipment including Auger Dredges, Lagoon Pumps, Submersible Chopper Pumps, Prop Agitators and Subsurface Land disposal Systems. Call 1-800-243-1406, 715-246-2888, and e-mail at Info@lwtpithog.com or for more information, on the internet at www.lwtpithog.com or write to LWT, Inc., 1750 Madison Avenue, New Richmond, WI 54017.