DRYHILL Mfg

DRYHILL LAGOON PUMPS AVAILABLE IN 32', 42', 52' AND 62'

Hydraulic Controls

Flexible Discharge Joint

Pump Reinforcement Truss

Swivel Hitch

Standard Heavy Duty Drive Line #55

Wide range nozzle with double hinge agitation nozzle with 350° horizontal rotation and 130° vertical articulation

6" or 8" directional valve (agitation/loading) that can be operated while pump is at low RPM

6" or 8" Discharge

Standard Tri-Pod for Fill Pipe

Standard Guard on 20" Impeller Housing
**Pump Length - Depth of Lagoon**

32' 14'' pit depth
42' 18'' pit depth
52' 22'' pit depth
62' 26'' pit depth

20'' and 24'' propellers available
Includes knife kit to cut bedding
Draw bar length and height eliminate PTO vibration
Main beam 8'' tubing
Hydraulic controls can be operated from tractor seat

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**DH400 with Optional Dual Load Out**
DH410 also available with Optional Dual Load Out

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**3 Blade Propeller**

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**Multi Purpose Lagoon Pump**

Multi-purpose telescoping wheel Independent telescoping wheel arms for easy in/out of concrete pits even when filled with dairy manure. When used in a lagoon, the telescoping wheel arms easily adjust to uneven bottoms and will reach depths up to 17''
And spreads to 151'' when fully extended

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**DH410 Multi Purpose Lagoon Pump Wallwalker with Extendable legs and Dual Wheels**

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**DH-800 Pit Pump**

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**PUMP DH-800**
Variable Length 8’ – 12’
With Optional Extension 12’ – 16’
Available in 8” or 6”
**WHEEL OPTIONS**

Dual Wheels are recommended for all size pumps. They provide up to 103” clearance under the impeller for handling steep ramps. We recommended Dual Wheels for road travel.

The outriggers fold out to 16’ 6” for maximum support.

32’ Pumps use a 5’ Axle
42’, 52’, 62’ Pumps have a 8’ Axle with 4x8 x 3/8” Tube for Main Frame

105’ Overall

16’ 6”

12’ 8” Fully Extended
9’ 4” Retracted
Drive Line
1 3/4" shaft with 4"OD hardened steel drive shaft sections
10' sections of connected with heavy duty 55 series universal joint
Completely enclosed drive assembly with an oil bath mechanical seal protecting bearing assembly
Large clean-out doors for easy access to bearings

Agitator
8" agitator with 6" nozzle creates perfect combination of volume and pressure to mix a pit
End nozzle rotates 350°
Nozzle vertical rotation of 170°
Available in 6" or 8" elbow assembly for agitator

Additional Standard Features
Strong truss brace frame design
Large stroke lift cylinders to reduce strain on undercarriage
9'6" wide undercarriage for 2 wheel model
Stainless steel valve paddle for rotating valve also available in Poly

Gearbox Impeller Models
Impellers include a 90° 1:1 gearbox for horizontal mounting. Gearbox – Impeller are equipped with a propeller (540 rpm) or (1000 rpm) agitator and an adjustable, hardened cutter knife to reduce long bedding.

<table>
<thead>
<tr>
<th>Gear Box</th>
<th>HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:1.18</td>
<td>min. 150</td>
</tr>
<tr>
<td>1:1.35</td>
<td>min. 100</td>
</tr>
</tbody>
</table>

Impeller housing and inlet plate of all impeller kits can be upgraded to HARDOX 500 steel for use in highly abrasive materials such as sand. HARDOX is Abrasive Resistant Steel
**DISCHARGE PIPES**

Pump Boom - Permanently mounted on the pump, the 8" x 25' long aluminum pipe is controlled hydraulically, for fast one-man setup and zero-spill takedown.

A trailer-mounted fill pipe loads slurry faster and with less mess. Fill a 6000 gal. truck mounted tank in 1 min. The fill pipe, is tall enough to fill a 9-ft. tall spreader and it folds down for transport. Features a 10" elbow with air vent to reduce foaming.

**Available in 25' or 30'**

Fill Pipe - The 25' or 30' long aluminum pipe is supported on adjustable legs. Available in 6" or 8" diameter

**3-Point Hitch Articulated**

Heavy-duty propeller with bearings in oil bath protected by a greaseable 4-seal mechanism.

Portable fingertip hydraulic controls. Solenoid valves available to operate 2 pump functions per each tractor hydraulic port.

540 or 1000 RPM heavy-duty driveline with #55 PTO.

**Lagoon Agitator with undercarriage**

<table>
<thead>
<tr>
<th>Length of agitator</th>
<th>Depth of pit</th>
<th>Length of agitator</th>
<th>Depth of lagoon</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 feet</td>
<td>12 feet</td>
<td>42 feet</td>
<td>18 feet</td>
</tr>
<tr>
<td>52 feet</td>
<td>18 feet</td>
<td>52 feet</td>
<td>22 feet</td>
</tr>
<tr>
<td>62 feet</td>
<td>22 feet</td>
<td>62 feet</td>
<td>26 feet</td>
</tr>
<tr>
<td>72 feet</td>
<td>30 feet</td>
<td>72 feet</td>
<td>30 feet</td>
</tr>
</tbody>
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**40° Vertical Articulation**

Standard on 3-point hitch to break crust from underneath. When directed downwards, the propeller strongly pulls chunks to accelerate agitation.

- Crust breaking position from underneath, used at the beginning of the agitation.
- Agitating position, used to create a swirl in the reservoir and to clear the immediate surrounding of the propeller.
- Mixing position, used to draw the solid into the propeller.
The impeller blade, impeller housing and inlet plate of all impeller kits can be upgraded to HARDOX 500 steel for use in highly abrasive materials such as sand. HARDOX is Abrasive Resistant Steel.