

STORTH

EXPERTS IN SLURRY MANAGEMENT



Storth have worked hard with the end user to develop a wide range of Slurry Mixers to aid Slurry Management on every farm allowing us to provide the right mixing solution for your farm.

Slurry Mixing Solutions

Specialist Manufacturers of
slurry handling equipment



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Lagoon Mixer

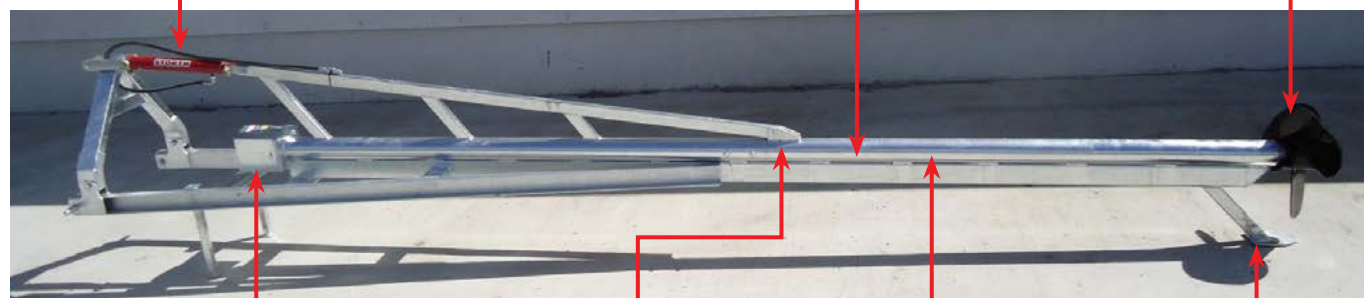
The Storth Lagoon mixer is the ideal machine to mix smaller capacity lagoons, allowing aggressive mixing action with a minimum input of power. This machine is easily operated with all machines having a hydraulic top link allowing accurate positioning of the machine in the slurry. Storth Lagoon mixers are built to last with the machine being fully galvanised and strengthened with heavy duty box section placed underneath the mixer tube.



Hydraulic top link as standard

Heavy duty box section strengthens mixing tube

Rubber fluted bearing, slurry lubricated and providing minimum maintenance



2" Blockhouse bearing assembly

Hard wooden steady bearing with greasing point

Box section to support main drive tube

Protection leg to prevent propeller damage

Technical Details

60 – 80 HP required
23" (600mm) propeller
1500m³ mixing capacity from one mixing point*
2" drive shaft
3 bearing assemblies
540RPM
Shearbolt protection on PTO shaft supplied

Models Available

15ft (4.8Mt) Length
20ft (6.1Mt) Length
25ft (7.6Mt) Length



Pivoting mixer

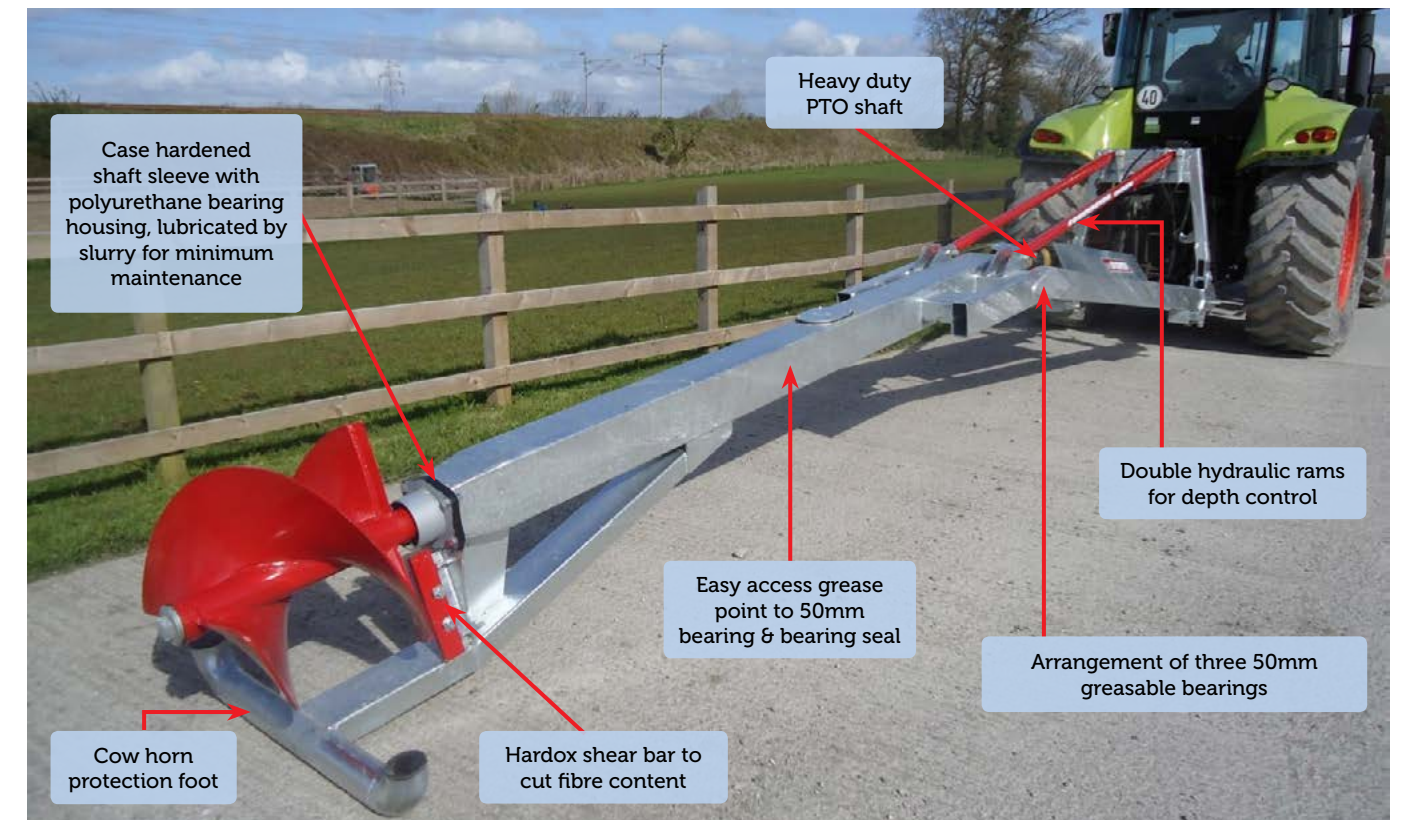
Available to allow access into smaller tanks and under slats. Built to the same specification as the Lagoon Mixer.

Models Available

(Pivoting Mixer)
12ft (3.6Mt) Length
15ft (4.8Mt) Length
20ft (6.1Mt) Length

Contractor Mixer

The Storth Contractor Mixer is the ultimate propeller mixer designed to provide intensive propeller mixing action for the contractor or larger farm. Depth control of this machine is by a double set of hydraulic rams, allowing mixing at different depths of the lagoon giving a better slurry consistency. Fully galvanised heavy duty box section chassis gives this machine unrivalled strength and life expectancy.



Case hardened shaft sleeve with polyurethane bearing housing, lubricated by slurry for minimum maintenance

Heavy duty PTO shaft

Double hydraulic rams for depth control

Easy access grease point to 50mm bearing & bearing seal

Arrangement of three 50mm greasable bearings

Cow horn protection foot

Hardox shear bar to cut fibre content

Technical Details

120 HP required
600 x 600mm standard propeller
4000m³ mixing capacity from one mixing point*
55mm drive shaft
Double hydraulic rams for depth control
5 bearing assemblies
540RPM
Shearbolt protection on PTO shaft supplied

Options

600 x 300mm propeller requires 100HP
700 x 600mm propeller requires 150 HP

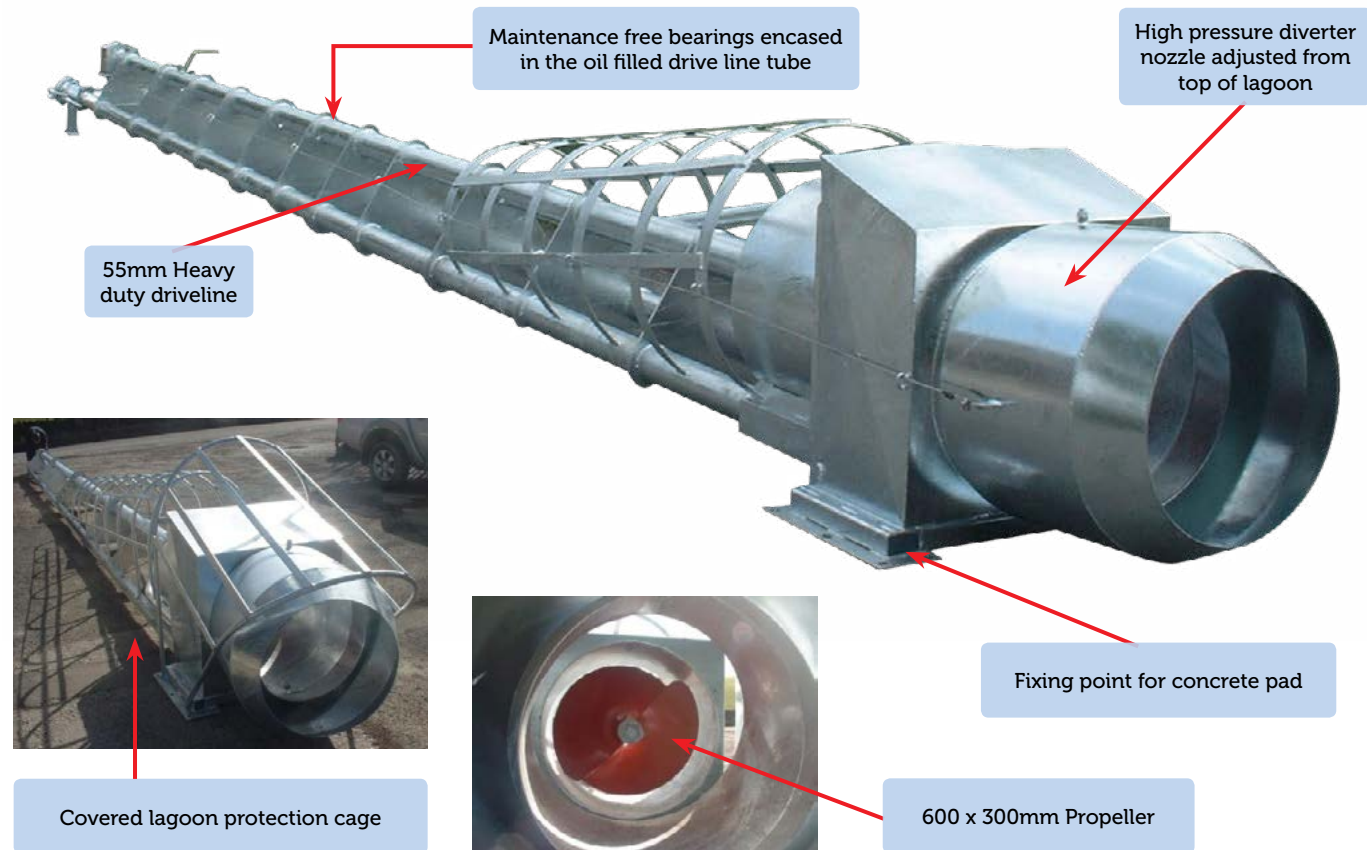
Models Available

22ft (7.0Mt) Length – Mixing depth of 4.5Mt
26ft (8.0 Mt) Length – Mixing depth of 5.5Mt
31ft (9.5 Mt) Length – Mixing depth of 7.5Mt



Lagoon Master

The Storth Lagoon Master has been designed to be a permanent fixture in an open or a covered lagoon. Mixing of the lagoon can be controlled by a handle at the PTO end to divert the slurry to different parts of the lagoon. This machine requires regular use to prevent crust building up on top of the lagoon.



Technical Details

100 HP required
600 x 300mm standard propeller
5000m³ mixing capacity from one mixing point*
55mm drive shaft
Oil filled driveline tube maintenance free roller bearings
540RPM
Shearbolt protection on PTO shaft supplied

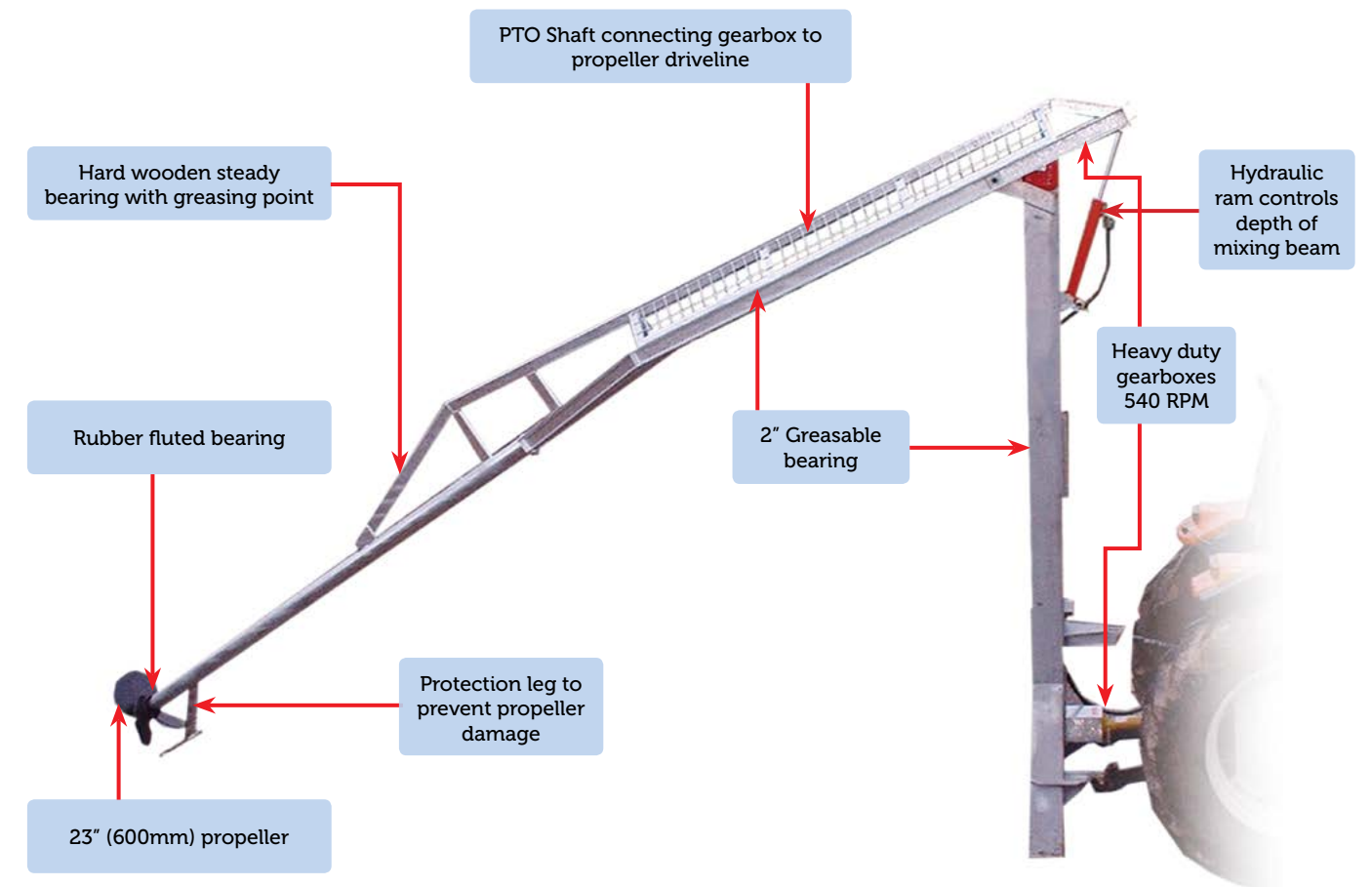
Models Available

36ft (11Mt) Length
52ft (16Mt) Length
Model required is dependant on the angle of lagoon bank



Tankmaster

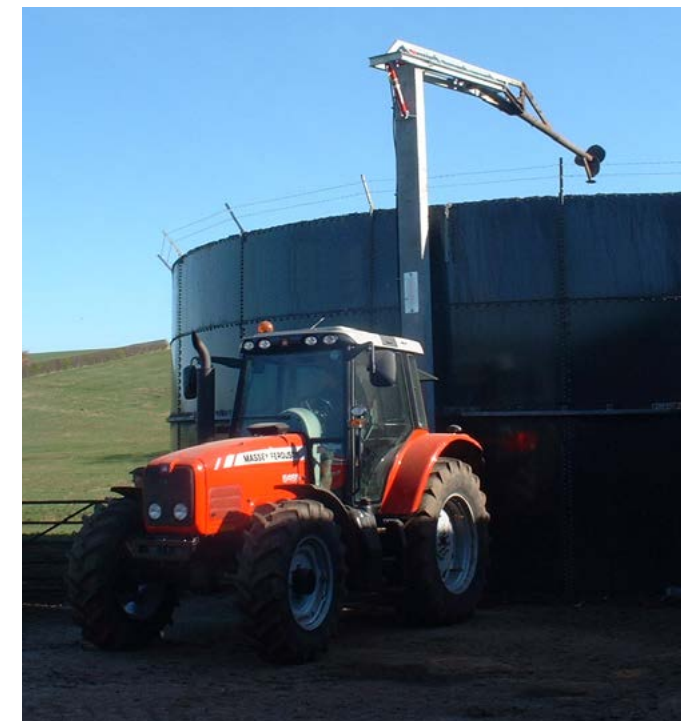
The Tankmaster is the perfect machine for breaking up heavy crusts which build up on top of above ground slurry storage tanks. This machine can be moved to different positions around the tank on the tractor 3 point linkage. The mixing beam is controlled by a hydraulic ram allowing the propeller to mix at different depths, allowing the solids and the water content in the tank to be mixed together giving a better slurry consistency.



Technical Details

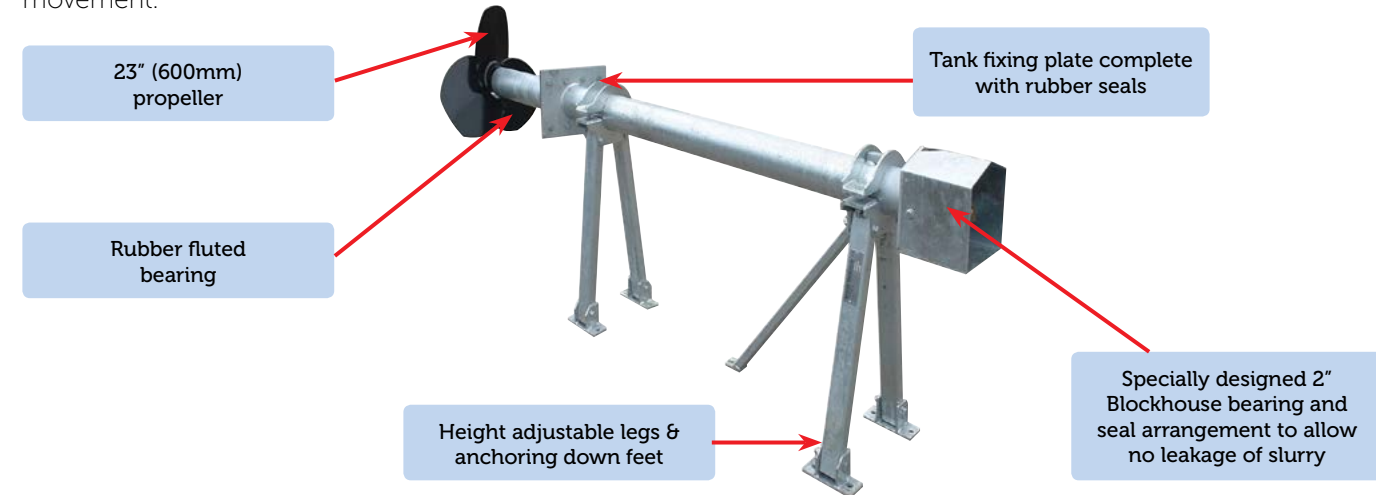
60 – 80 HP required
23" (600mm) propeller
3000m³ mixing capacity from one mixing point*
2" propeller drive shaft
4 bearing assemblies
540RPM gearboxes

Vertical Column		Top Beam	
Feet	Metres	Feet	Metres
10	3.1	25	7.6
12	3.7	25	7.6
14	4.3	25	7.6
16	5.0	25	7.6
16	5.0	30	9.2
20	6.1	30	9.2



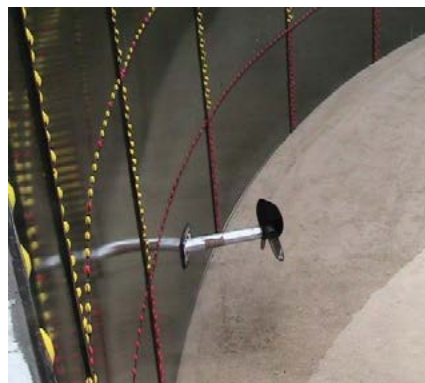
Tank Wall Mixer

This machine is ideal for regular use to help prevent crust build up and sediment build up in above ground slurry storage tanks. To prevent any vibration against the wall of the tank, the machine is fitted with five stabiliser legs which are anchored down to a concrete pad. Only the propeller is inside the tank to allow no obstruction of slurry movement.



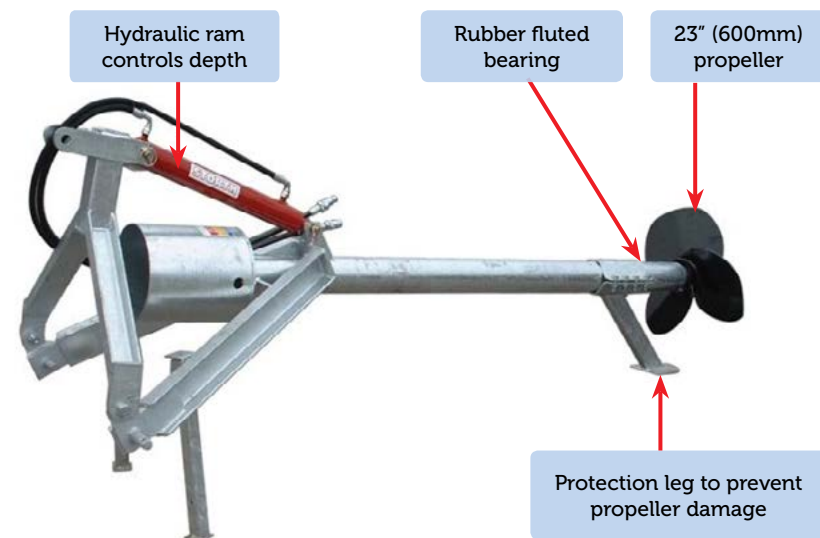
Technical Details

60 – 70 HP required
23" (600mm) propeller
1200m³ mixing capacity from one mixing point*
2" drive shaft
2 bearing assemblies
3ph electric models available



Under Slat Agitator

The machine to mix smaller underground tanks and small slatted sheds with limited access holes. The machine is easily controlled and placed into position with a hydraulic ram and wide angle PTO shaft.



Technical Details

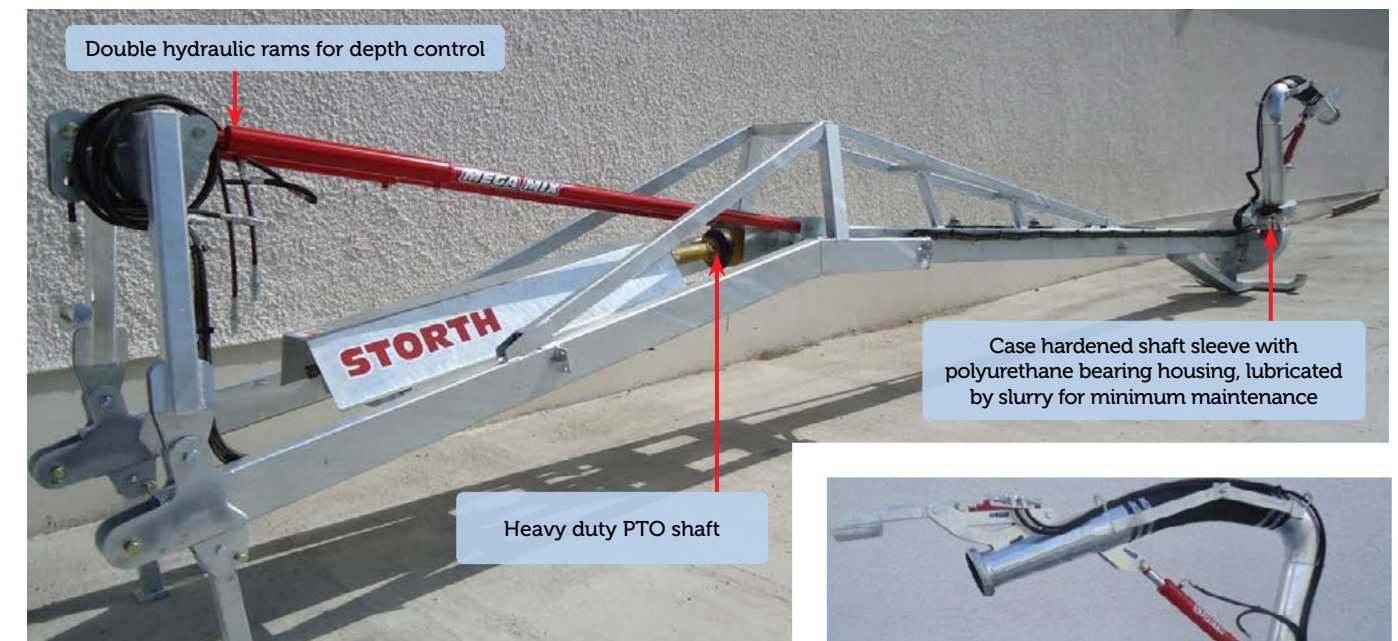
60 – 70 HP required
23" (600mm) propeller
400m³ mixing capacity from one mixing point*
2" drive shaft
1 bearing assembly
9ft (2.8Mt) length

Mega Mix

The ultimate machine for mixing large lagoons to give an even consistency of slurry in a shorter time than any propeller mixer. This machine is unrivalled by any mixing machine on the market due its large capacity output. The Storth Mega Mix is designed to mix large lagoons in a faster and more effective way than conventional mixing ways.

The Mega Mix uses an auger to draw in the slurry and re-circulate it through the 5" jetter nozzle which provides a large volume of slurry allowing great agitation of the lagoon as the jetter has a 300 degree rotation, therefore reducing the amount of times you need to move the machine around the large lagoon.

The Mega Mix is fully galvanised and built to a very high standard.



Models Available

22ft (7.0Mt) Length – Mixing depth of 4.5Mt
26ft (8.0 Mt) Length – Mixing depth of 5.5Mt
31ft (9.5 Mt) Length – Mixing depth of 7.5Mt
BESPOKE MODELS AVAILABLE ON REQUEST

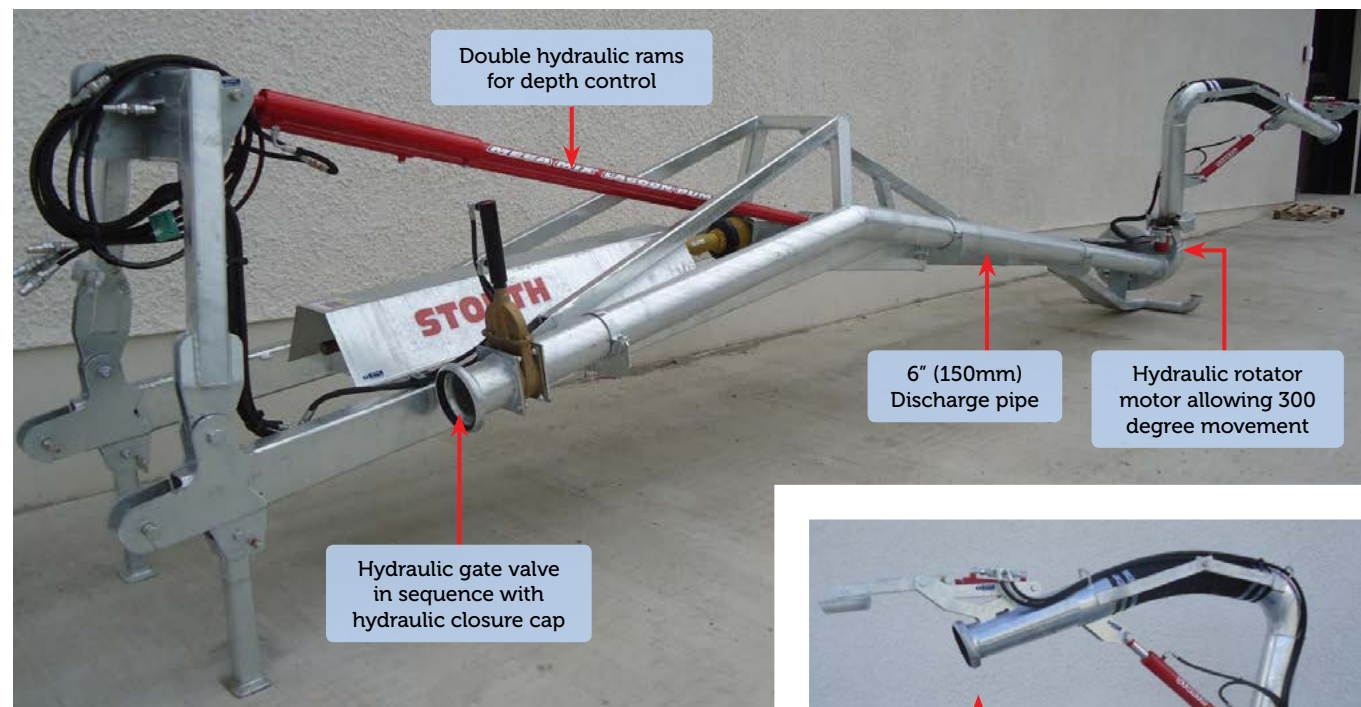


Technical Details

55mm drive shaft minimum
130HP required
1000 RPM
4,500 gallons (20,400Lt) output per minute mixing capacity
10,000m³ mixing capacity from one point*
6 greasable bearing assemblies on a 9.5Mt machine
9.5Mt machine weighs 1450kg

Mega Mix Lagoon Pump

Storth have designed this machine to benefit from the great mixing capacity of the Mega Mix whilst having the facility to pump out of the lagoon with the same machine via a 6" side discharge pipe. This provides the user with great benefits offering several possibilities for filling open top tankers, pumping to other lagoons and priming umbilical pumps all from one machine.



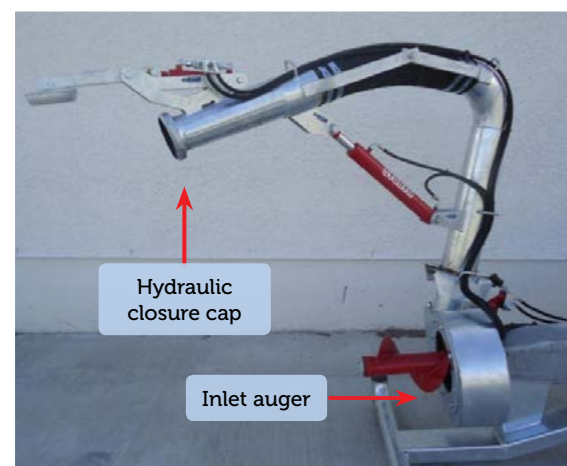
Models Available

22ft (7.0Mt) Length – Mixing depth of 4.5Mt

26ft (8.0 Mt) Length – Mixing depth of 5.5Mt

31ft (9.5 Mt) Length – Mixing depth of 7.5Mt

BESPOKE MODELS AVAILABLE ON REQUEST



Technical Details

55mm drive shaft

Minimum 130HP required

1000 RPM

4,500 gallons (20,400Lt) output per minute mixing capacity

10,000m³ mixing capacity from one point*

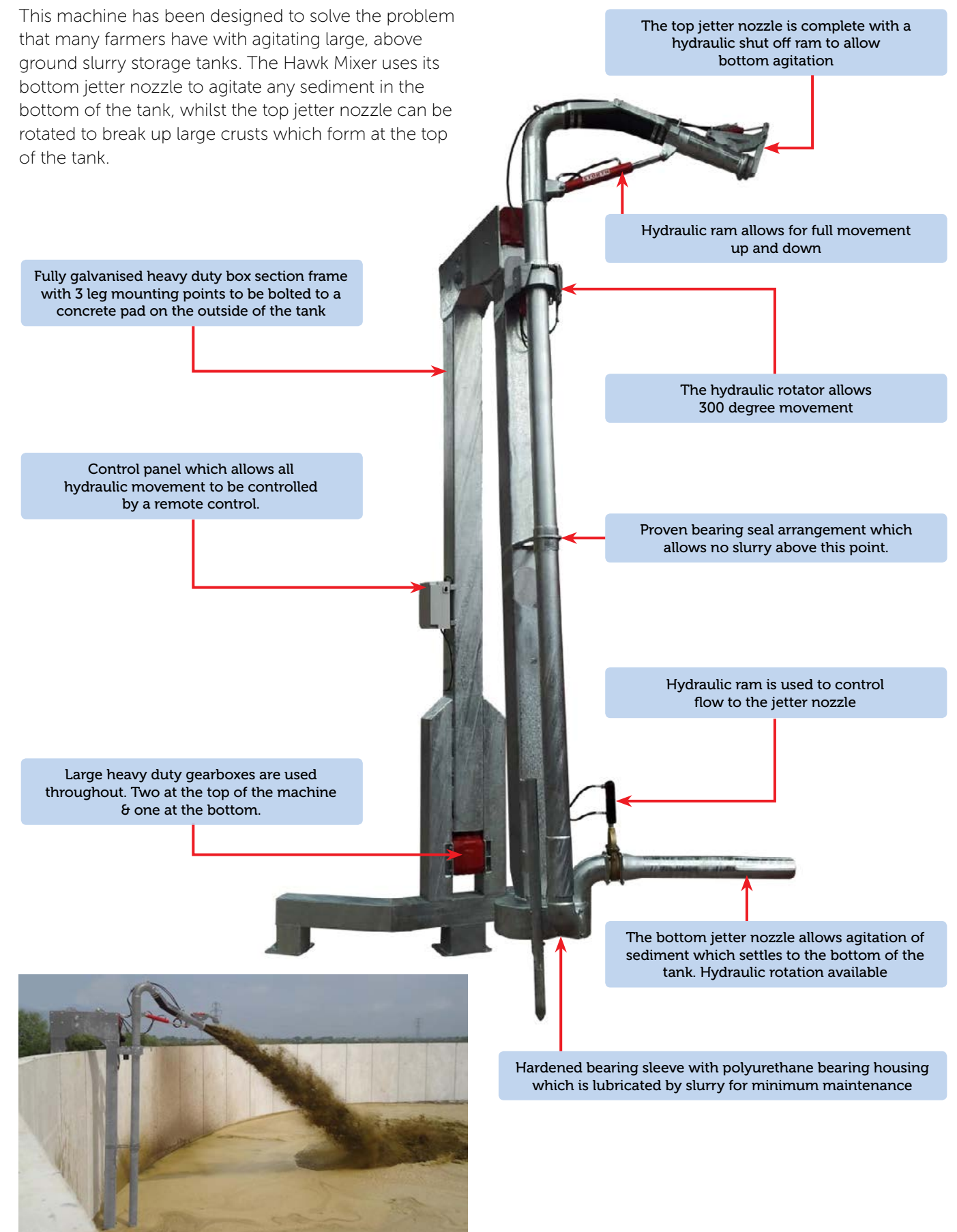
6 greasable bearing assemblies on a 9.5Mt machine

9.5Mt machine weighs 1500kg



Hawk Mixer

This machine has been designed to solve the problem that many farmers have with agitating large, above ground slurry storage tanks. The Hawk Mixer uses its bottom jetter nozzle to agitate any sediment in the bottom of the tank, whilst the top jetter nozzle can be rotated to break up large crusts which form at the top of the tank.



Hawk Mixer cont

Technical Details

55mm drive shaft
Minimum 150HP required
540 RPM
8,000m³ mixing capacity from one point*
4,000 gallons (18,000Lt) output per minute mixing capacity
3 greasable bearing assemblies which can be greased from the outside of the tank

Models Available

10ft (3Mt) Vertical column with 10ft (3Mt) Interior pump
12ft (3.7Mt) Vertical Column with 12ft (3.7Mt) Interior Pump
16ft (5Mt) Vertical Column with 16ft (5Mt) Interior Pump
20ft (6.1Mt) Vertical Column with 20ft (6.1Mt) Interior Pump



Models are also available with the interior pump longer to suit tanks which base levels are below the outside ground level.

Three Point Linkage models available to allow movement around the tank.

Mega Mix Lagoon Pump Options

Hydraulic Adjustable Tanker Fill Pipe

This tanker fill pipe has been designed to offer a tanker fill option straight from the lagoon with the 7, 8 and 9.5m Mega Mix.

The pipe fill has full adjustment in up, down and side to side rotation from the tractor hydraulics.



Mega Mix & Mega Mix Lagoon Pump Options

Transport Trailer

Transport trailers are fully galvanised and can be adapted to carry fill pipes and flexi pipes at the customer's request.



Wheel & Cage Kit

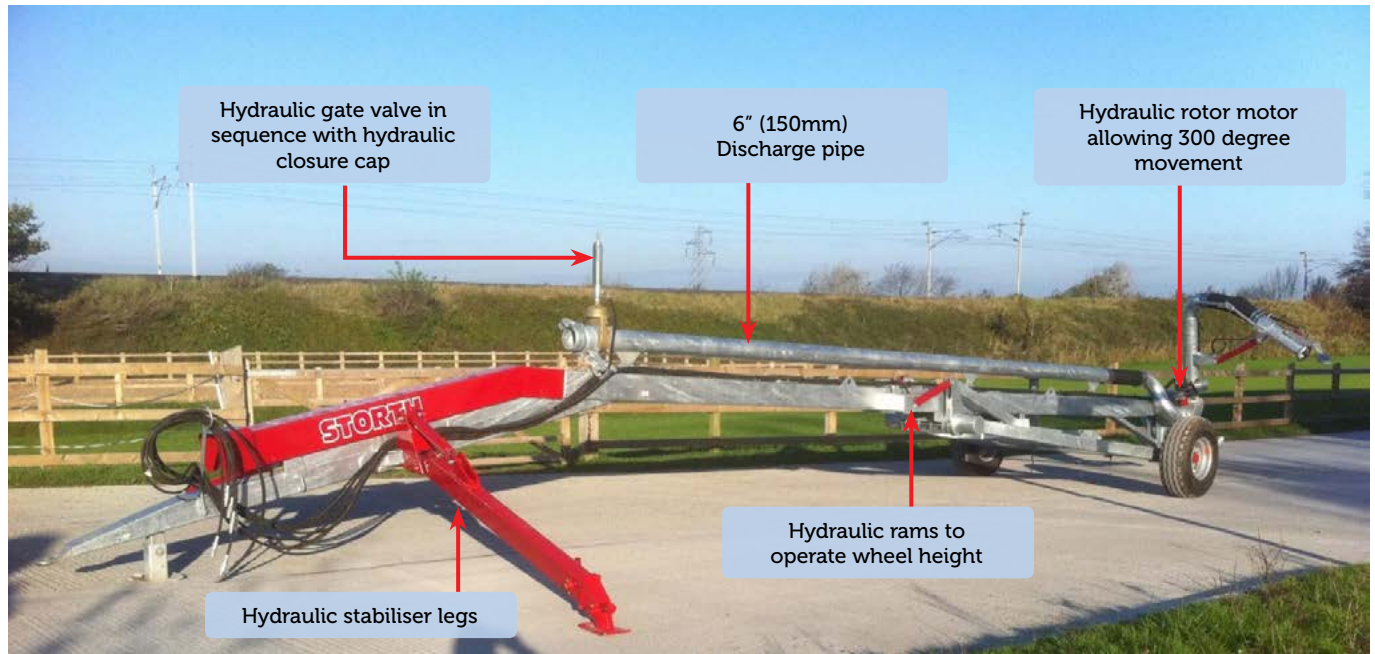
We have developed a wheel protection kit suitable for lined lagoons and for covered lagoons we have developed a cage protection kit. All extras are available to the Mega Mix range.



Trailed Mega Mix Lagoon Pump

The final machine in the Mega Mix range, this machine has been developed for lagoons with steeper banks, which require a deeper reach into the lagoon without needing a lot of horsepower to lift on three point linkage.

This machine uses the same quality components and high class engineering as the Mega Mix and the Mega Mix Lagoon Pump; this has hydraulically operated wheels and hydraulic stabiliser legs.



Technical Details

55mm drive shaft
Minimum 120HP required
1000 RPM
4,500 gallons (20,400Lt) output per minute mixing capacity
10,000m³ mixing capacity from one point*
Hydraulic stabiliser legs
Hydraulic rams operating wheel height

Models Available

41ft (12.5Mt) Length
55ft (17.0 Mt) Length

**BESPOKE MODELS
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