



Storth Lagoon Mixers are built to last with the machine being fully galvanised and strengthened with a heavy duty box section placed underneath the mixer tube.



Lagoon Farmer 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.



Key Features

- Versatile range available 4.6m (15ft), 6.1m (20ft) or 7.6m (25ft)
- Fully galvanised metal work for extended product life
- Low power requirement from 45-52kW (60-70Hp)
- Robust 50mm (2") drive shaft and bearings
- Sturdy headstock
- designed to withstand lateral forces
- Heavy duty main tube protection bar
- Low maintenance Storth wet run fluted bottom bearing
- Super efficient 600mm bolt on propeller
- Strong propeller protection leg

System Advantages

- Simple proven agitation for small to medium sized lagoons
- Low capital investment cost
- Proven design and operation for over 20 years
- Manoeuvrable and flexible around lagoons and store
- Low maintenance requirement

Kestrel Lagoon Mixer

The Storth Heavy Duty Lagoon Mixer has been designed to suit the progressive farmer, with the new propeller shape and larger diameter, we have produced an aggressive mixing action with the input power of 100-120hp required.

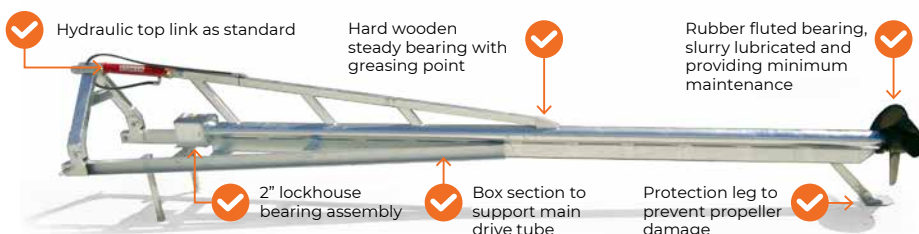
Key Features

- Versatile range available 6.1m (20ft) or 7.5m (25ft)
- Fully galvanised finish for extended product life
- Low power requirement 90-112 kW (120-150 hp)
- Robust 50mm (2") drive shaft & bearings
- Sturdy headstock to withstand lateral forces
- Heavy duty main tube protection bar
- Low maintenance Storth wet run fluted bottom bearing
- High output induction impellor, 12.5 m³/min (3300 gal/min)
- 300o Hydraulic spout rotation c/w hydraulic control
- Cow horn impellor leg protection
- 3 bearing assemblies
- 540rpm
- Shear bolt protection on PTO shaft supplied
- Ability to cope with longer fibre

System Advantages

- Simple prove agitation for medium sized lagoons
- Proven design and operation for over 5 years
- Manoeuvrable and flexible around lagoons and store
- Replaceable wear parts
- Ability to cope with longer fibre

Lagoon Farmer Mixer





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.

Key Features

- ▶ Versatile range available from 7m (23ft) to 12m (39ft)
- ▶ Fully galvanised metal work for extended product life
- ▶ Heavy duty frame c/w 15-degree angle assisting with lagoon access
- ▶ Precise depth control via twin hydraulic cylinders
- ▶ Strong 55mm drive line with at least five bearing assemblies
- ▶ Unique bearing slurry seal protection
- ▶ Special Storth cassette bearing and drive shaft wear collar
- ▶ High output induction impellor, 18m³/min (4000 gal/min)
- ▶ 300° Horizontal and 60° vertical hydraulic spout rotation c/w hydraulic control
- ▶ Maintenance friendly central bearing grease bank
- ▶ Endurance hardox sand kit wear and seal kit option available for increased durability in slurry containing sand

Technical Details

- ▶ 55mm drive shaft
- ▶ 6" (150mm) or 8" (200mm) discharge pipe
- ▶ Minimum 130hp required
- ▶ 1000rpm
- ▶ 4,500 gallons (20,457L) output per minute mixing capacity
- ▶ 10,000m³ mixing capacity from one point*
- ▶ 6 greasable bearing assemblies on a 9.5m machine
- ▶ 9.5m machine weighs 1500kg
- ▶ 2.5m extension frame can be added to all models

System Advantages

- ▶ Powerful solution for large lagoons
- ▶ Proven design and operation for over 10 years
- ▶ Manoeuvrable around lagoons and store
- ▶ Replaceable wear parts
- ▶ Adaptable for liner and covers

STORTH LAGOON MIXERS

Model	Length	Mixing depth	Weight	Drive Shaft	Minimum Power Required	Output per minute mixing capacity	Mixing capacity from one point	Greasable bearing assemblies	Discharge Pipe	2.5m extension frame	propeller/impellor
Farmer Mixer 4.8m	4.8			50mm	60 - 80hp		1500m ³	3	-	-	600mm
Farmer Mixer 6.1m	6.1			50mm	60 - 80hp		1500m ³	3	-	-	600mm
Farmer Mixer 7.6m	7.6			50mm	60 - 80hp		1500m ³	3	-	-	600mm
Kestrel Mixer 6.1m	6.1m			50mm	100 - 120hp			3	-	-	600mm
Kestrel Mixer 7.5m	7.5			50mm	100 - 120hp			3	-	-	600mm
Mega Mix 7.0m	7.0m	4.5m		55mm	130hp	20,457L	10,000m ³	6	150mm	Option	
Mega Mix 8.0m	8.0m	5.5m		55mm	130hp	20,457L	10,000m ³	6	150mm	Option	
Mega Mix 9.5m	9.5m	7.5m	1500kg	55mm	130hp	20,457L	10,000m ³	6	150mm	Option	