



PTO Agitators

The Power of Agitation



**ARTICULATED PTO AGITATOR
WITH SCREW PROPELLER—540 RPM**

Recommended for thick manure
containing long fibres and straw

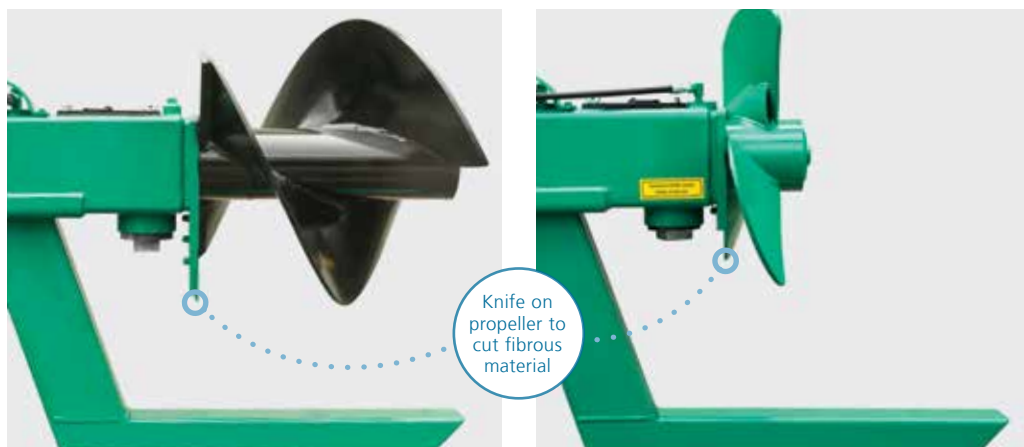
The Power of Agitation

The exceptional performance of GEA agitators can help you meet the challenge of managing manure more effectively.

Our equipment is built tough to offer you the ideal solution for agitating manure stored in lagoons or concrete pits. Manufactured using quality components for greater durability and exceptional performance, GEA PTO agitators are the ideal tools for homogenizing very thick cow manure as well as hog slurry. Used in combination with one of the numerous GEA PTO pumps, they greatly facilitate the transfer of manure to GEA spreaders or irrigation systems.

Designed for Specific Needs

GEA offers two agitator propeller models—screw or with three blades—for optimal performance no matter what the manure type and consistency. These fixed or articulated propellers are equipped with bearings protected by a GEA's unique and proven three-joint seal mechanism, which ejects contaminants when lubricating. Prolonging the useful life of your equipment is made easy by using the Remote Grease Line Kit to maintain the bearing housing on all models of agitators.



Articulated and Lagoon Agitators—540 RPM

Screw propeller recommended for thick manure containing fibre and straw. Agitation capacity: 33,600 US gpm (127,290 lpm).

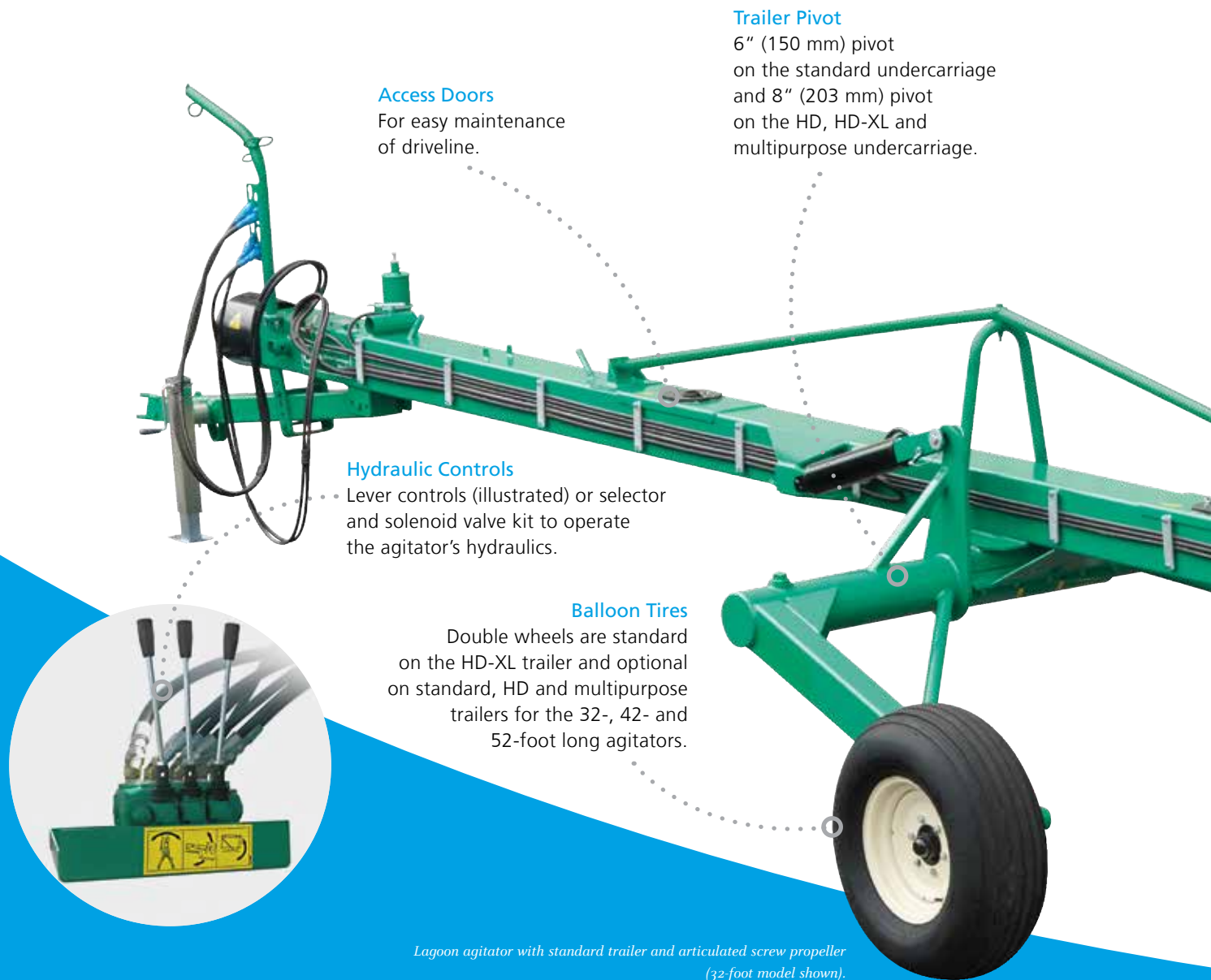
Articulated and Lagoon Agitators—1,000 RPM

Three-blade propeller recommended for liquid hog or cow manure with limited quantities of bedding. Agitation capacity: 35,850 US gpm (135,700 lpm).

Lagoon Agitator

The Lagoon Agitator is available in five lengths to give you the necessary reach for agitating the content of your lagoon efficiently and safely.

RPM Required	Propeller Type	Minimum HP Required
540 RPM	Screw propeller Heavy-duty driveline and #55 PTO	80 HP
1,000 RPM	3-blade propeller Heavy-duty driveline and #77 PTO	225 HP



Access Doors
For easy maintenance of driveline.

Trailer Pivot
6" (150 mm) pivot on the standard undercarriage and 8" (203 mm) pivot on the HD, HD-XL and multipurpose undercarriage.

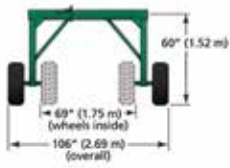
Hydraulic Controls
Lever controls (illustrated) or selector and solenoid valve kit to operate the agitator's hydraulics.



Balloon Tires
Double wheels are standard on the HD-XL trailer and optional on standard, HD and multipurpose trailers for the 32-, 42- and 52-foot long agitators.

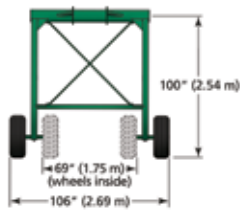
Lagoon agitator with standard trailer and articulated screw propeller (32-foot model shown).

Standard trailer



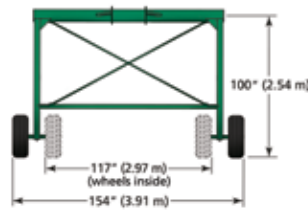
HD Trailer

3 feet (91 cm) longer than the standard model.



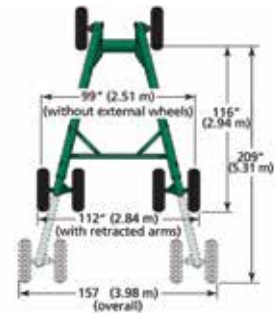
HD-XL Trailer

3 feet (91 cm) longer and 4 feet wider than the standard model.



Multipurpose Trailer

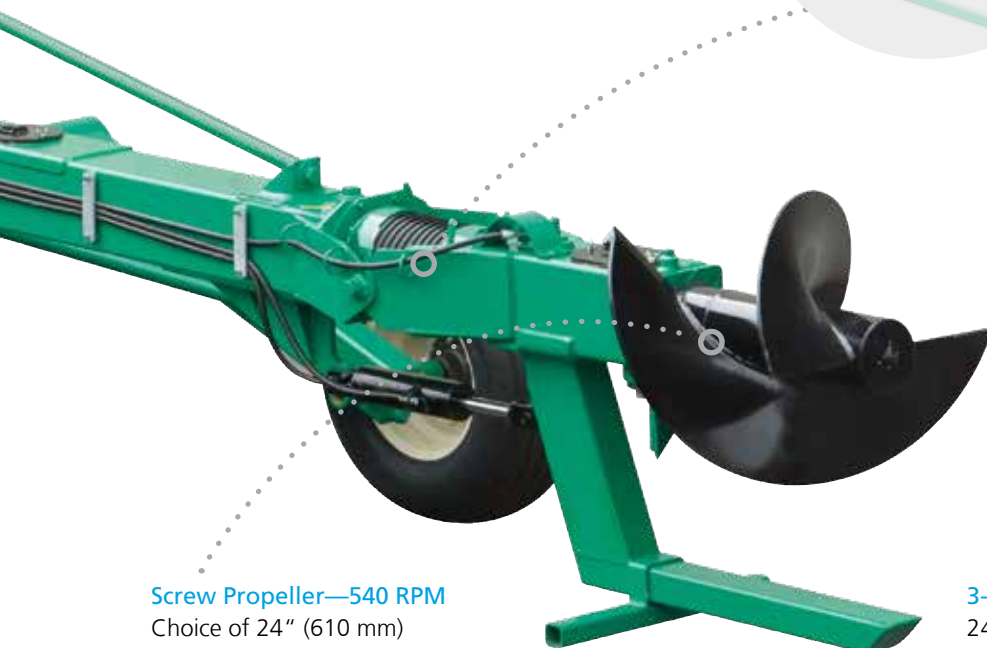
For lagoons and concrete pits of no more than 16 feet (5 m) in depth.



Length of Agitator	Depth of Lagoon	Slope	Standard Model	HD Model	HD-XL Model	Multipurpose Model
32' (9.8 m)	14' (4.3 m)	2:1	Included	Optional	n/a	Optional
42' (12.8 m)	18' (5.5 m)	2:1	Included	Optional	n/a	Optional
52' (15.9 m)	22' (6.7 m)	2:1	n/a	Included	Optional	Optional
62' (18.9 m)	20' (6.1 m)	3:1	n/a	n/a	Included	n/a
72' (22 m)	22' (6.7 m)	3:1	n/a	n/a	Included	n/a

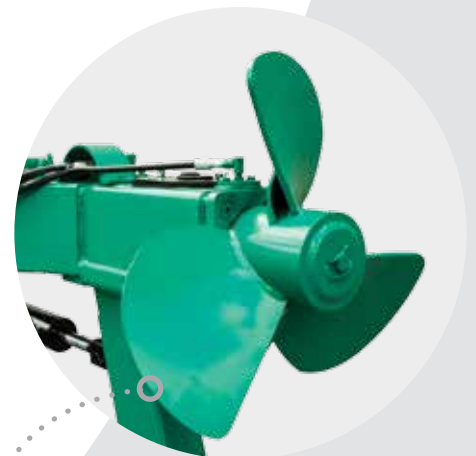
Up-and-down Articulation

Creates more turbulence and reduces agitation time. The 20° upward articulation allows breaking the crust from underneath. The 20° downward articulation draws the crust pieces towards the propeller and agitates sediments.



Screw Propeller—540 RPM

Choice of 24" (610 mm) or 32" (813 mm) pitch depending on tractor horsepower.



3-blade Propeller—1,000 RPM

24" (610 mm) diameter blade.

Articulated Agitator

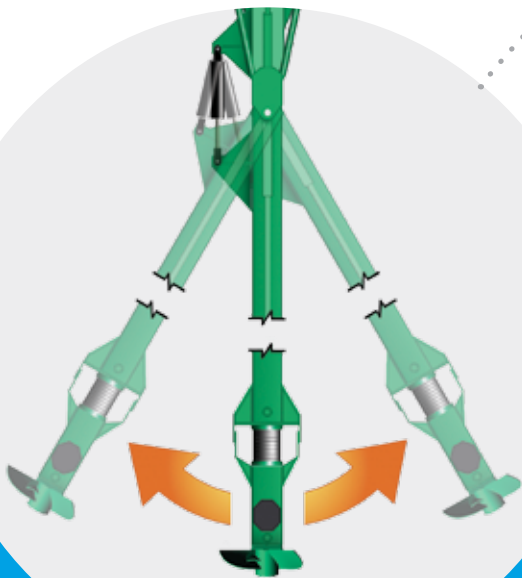
The far-reaching articulated agitator with its strong 3-point hitch agitates the contents of a concrete pit safely and efficiently.

Our articulated agitators are designed to agitate manure stored in a concrete pit up to 16' (4.8 m) deep for dairy manure and up to 12' (4 m) deep for hog slurry.

RPM Required	Propeller Type	Length of Agitator	Minimum HP Required
540 RPM	Screw propeller Heavy-duty driveline and #55 PTO	27' (8.2 m)	80 HP
1,000 RPM	3-blade propeller Heavy-duty driveline and #77 PTO	27' (8.2 m)	225 HP

30° Sideways Articulation

Optional 30° sideways articulation allows you to cover a larger surface area and agitate a greater volume of manure.



Access Doors

For easy maintenance of driveline.



Hydraulic Controls

Lever controls (illustrated) or selector and solenoid valve kit to operate the agitator's hydraulics.





Optional 3-point Quick Hitch
For easy coupling of pump to tractor.



Optional wheels and draw bar kit for hauling
Makes moving the pump easier.



Up-and-down Articulation

Creates more turbulence and reduces agitation time. The 20° upward articulation allows breaking the crust from underneath. The 20° downward articulation draws the crust pieces towards the propeller and agitates sediments



Screw Propeller—540 RPM
Choice of 24" (610 mm) or 32" (813 mm) pitch depending on tractor horsepower.



3-blade Propeller—1,000 RPM
24" (610 mm) diameter blade.

Stability Stand for storage

We live our values.

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA is a global high-tech company generating sales of several billion euros in over 50 countries. Founded in 1881, the company is one of the world's largest suppliers of technological processes and innovative equipment.

GEA is listed on the STOXX® Europe 600 index and is included in the MSCI global sustainable development index.

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