



## **Power Take-Off Agitators**

Powerful Liquid Manure  
Agitators

GEA Farm Equipment | Houle

engineering for a better world

GEA Farm Technologies



## PTO Agitators

The PTO Agitators from GEA are designed to offer high agitation performance in all types of manure storage. Depending on whether you have a lagoon, a concrete pit or a raceway pit, we have the agitator to meet your quality and efficiency standards.

GEA cares about the quality of the environment and continuously works to implement effective environmental management systems applicable in all facets of the business.

## Lagoon and Articulated Agitators

Discover the benefits and key features that make the use of our agitators the perfect way to efficiently agitate the manure stored in lagoons and concrete pits.

### Benefits

- Powerful agitation resulting in faster homogenization;
- Immersed propeller reducing spatters and odors.



### Key Features

- 24" (610 mm) diameter propeller with bearing housing protected by our 3 seal system against contamination;
- Fixed or articulated propeller;
- 24" or 32" (610 or 813 mm) pitch depending on tractor horsepower. Offers an agitation of up to 33 600 US gpm (127 290 lpm);
- Heavy-duty driveline and #55 PTO – 540 RPM only;
- Portable hydraulic controls;
- Easy access for maintenance of the driveline joint.





Lagoon Agitator

5 lengths of Lagoon Agitator available to give you the necessary far-reaching access to agitate the content of your lagoon efficiently and safely.

Typical Application

To agitate manure stored in a lagoon.

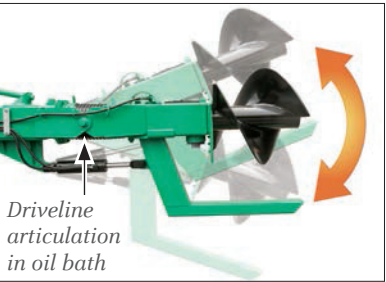
Key Features

- Agitation achieved by the pushing motion of the propeller;
- Fixed or articulated propeller;
- 24" (610 mm) diameter propeller;
- 24" or 32" (610 or 811 mm pitch depending on tractor horsepower;
- Agitation of up to 33 600 US gpm (127 290 lpm);
- Heavy-duty driveline and #55 PTO – 540 RPM only;
- 32', 42', 52', 62' and 72' models available.

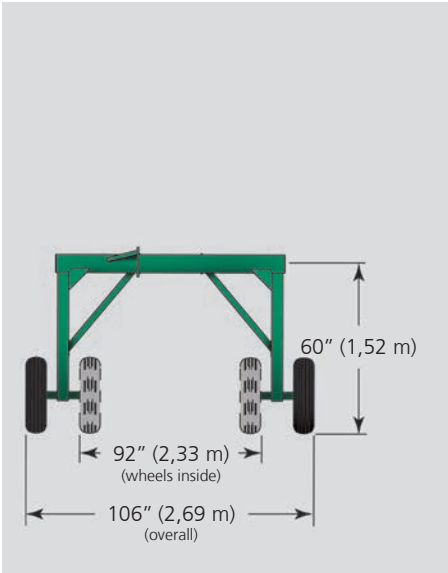


Articulated Propeller

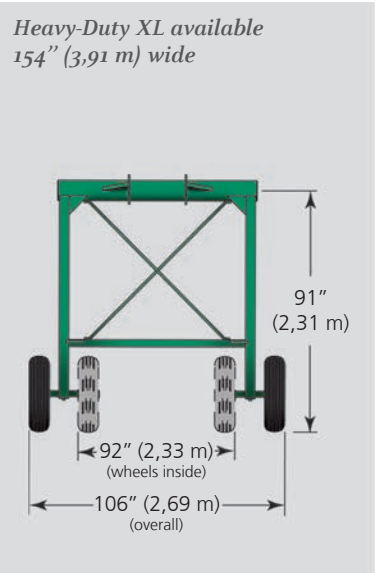
To create more turbulence and reduce agitation time. The 20° upward articulation allows you to break the crust from underneath. The 20° downward articulation forces the crust pieces towards the propeller and agitates sediments. Available only on the 32', 42' and 52' models.



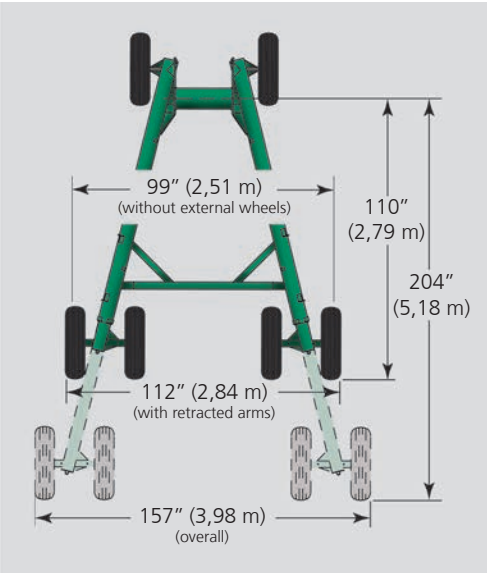
Standard Undercarriage



Heavy-Duty Undercarriage



Multipurpose Undercarriage  
For lagoons and concrete pits.



Undercarriage Compatibility

Available Agitator Length	Undercarriage Models			
	Standard	Heavy-Duty	Heavy-Duty XL	Multi-purpose
32' (9,8 m) 14' (4,3 m) lagoon depth Slope of 2 to 1	Included	Option	-	Option
42' (12,8 m) 18' (5,5 m) lagoon depth Slope of 2 to 1	Included	Option	-	Option
52' (15,9 m) 22' (6,7 m) lagoon depth Slope of 2 to 1	-	Included	Option	Option
62' (18,9 m) 20' (6,1 m) lagoon depth Slope of 3 to 1	-	-	Included	-
72' (22 m) 22' (6,7 m) lagoon depth Slope of 3 to 1	-	-	Included	-

- : Not available

Option

- Remote grease line kit to lubricate the bearing housing without removing the agitator.



## Articulated Agitator

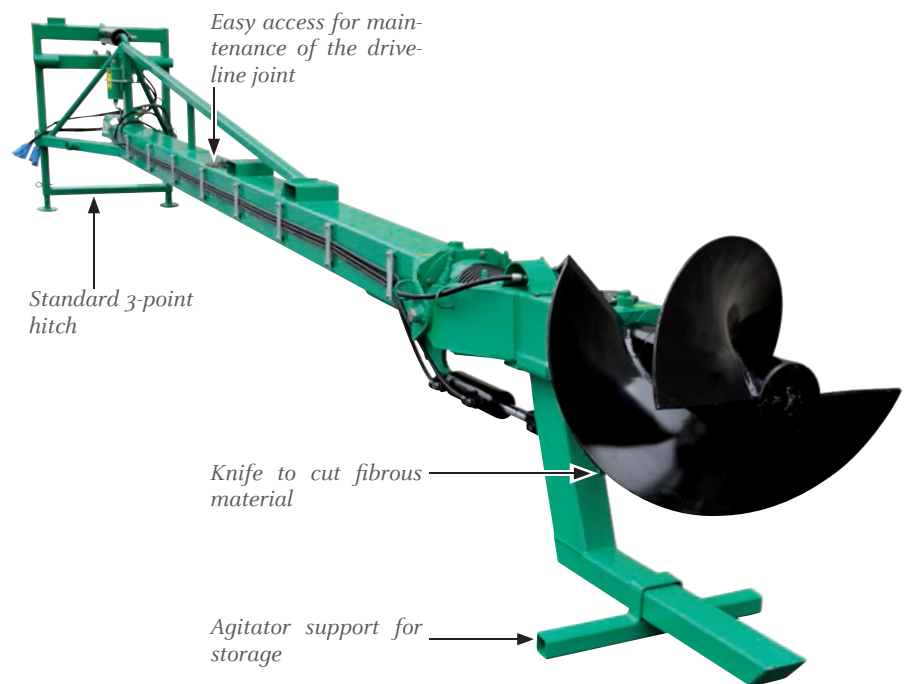
The far-reaching articulated agitator with its strong 3-point hitch agitates the content of a concrete pit safely and efficiently.

### Typical Application

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.

### Key Features

- Agitation achieved by the pushing motion of the propeller;
- Fixed or articulated propeller;
- 24" (610 mm) diameter propeller;
- 24" or 32" (610 or 813 mm) pitch depending on tractor horsepower;
- Agitation of up to 33 600 US gpm (127 290 lpm);
- Heavy-duty driveline and #55 PTO – 540 RPM only;
- Length of the agitator is 27' (8.2 m).

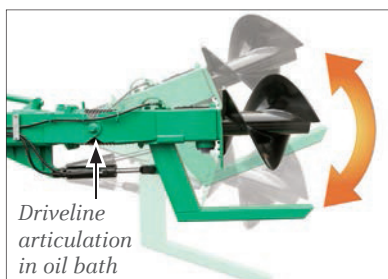


Articulated Agitator with Articulated Agitation Propeller

### Articulated Propeller

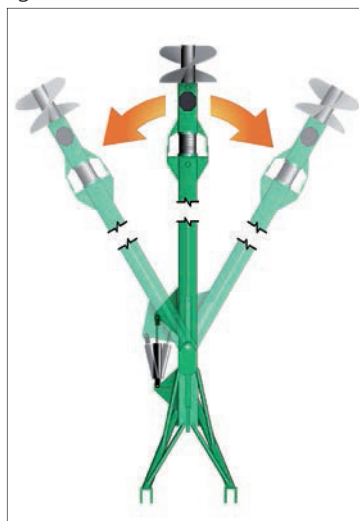
To create more turbulence and reduce agitation time.

The 20° upward articulation allows you to break the crust from underneath. The 20° downward articulation forces the crust pieces towards the propeller and agitates sediments.



### Options

- 30° sideways articulation, to agitate a wider surface area;
- Adjustable heavy-duty 3-point hitch;



- Adjustable heavy-duty 3-point hitch;



- Wheels and tow bar kit.



## Raceway Agitator

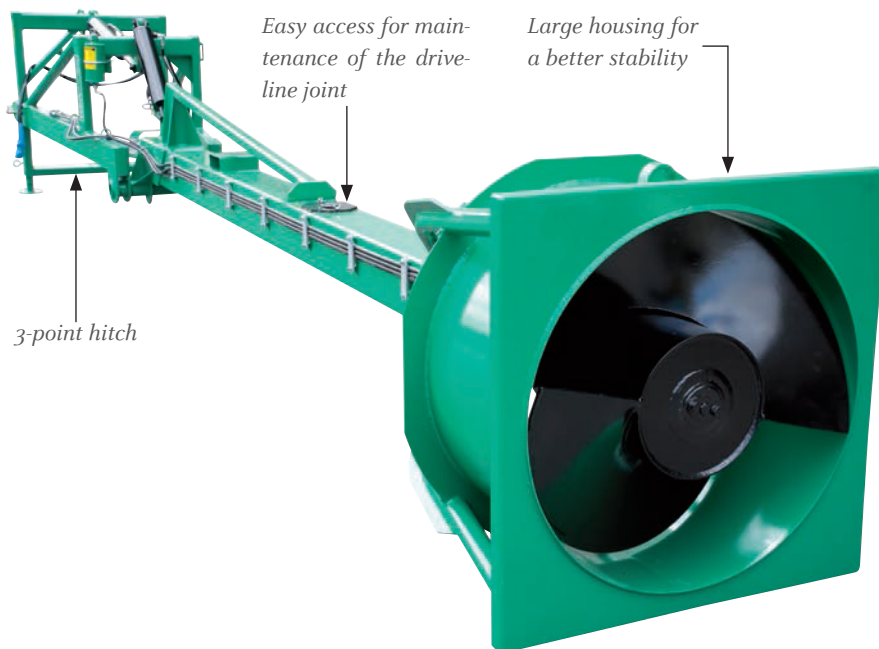
Articulated agitator with a 3-point hitch providing all the power you need to agitate and make the manure flow through a raceway pit under slatted floor.

### Typical Application

To agitate and make manure flow through a raceway pit through a slatted floor.

### Key Features

- Agitation is achieved by the pulling motion of the propeller;
- 32" (813 mm) diameter propeller;
- Agitation of up to 40 000 US gpm (151 400 lpm);
- Heavy-duty driveline and #55 PTO – 540 RPM only;
- Length of the agitator is 23' (7 m) for a pit up to 10' (3 m) deep.

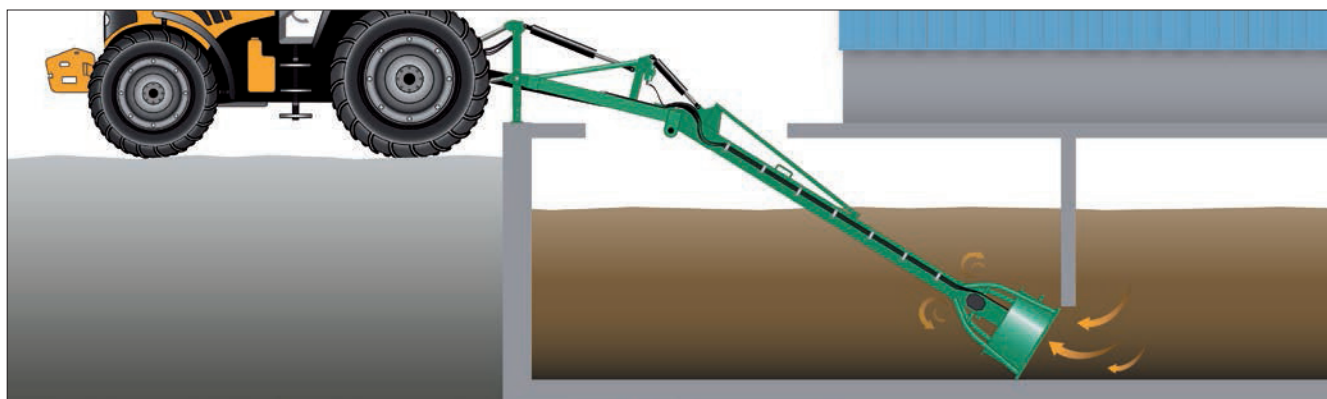


### Options

- Wheels and tow bar kit.



### Typical Installation





## *We live our values.*

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 index.

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