

12/20 m³ Twin Vertical Beaters Manure Spreader



LAMS Series Dual Vertical Beaters Manure Spreader

Engineered for high-efficiency performance, the LAMS Series are built to handle a wide range of dry and wet manures, including materials with high moisture content and large, compacted clumps. Its dual vertical beaters ensure consistent breakup and even distribution across the field – ideal for demanding agricultural operations.

LAMS Series



Powered by the tractor's hydraulic system, a heavy-duty chain conveyor moves material smoothly toward the rear. Conveyor speed is fully adjustable to match varying field conditions. The spreading system is PTO-driven and equipped with twin high-speed vertical beaters that deliver powerful fragmentation and a uniform spread pattern.

Perfect for large farms, ranches, and pasture applications, the LAMS Series are designed to support large-scale, high-efficiency manure and compost spreading. It helps reduce labor, improve nutrient delivery, lower operating costs, and maximize productivity across every application.

Manure Spreader Product Display



Specifications

Dimensions

Model Number	LAMS-12C	LAMS-20C
Struck Level	12m ³	20m ³
Heaped	14m ³	24m ³
Carrying Capacity	12 Tonnes	22 Tonnes
External Dimensions (L×W×H)	6800 × 2730 × 3200mm	8500 × 2730 × 3200mm
Box Dimensions	Top Length: 4300 × Top Width: 2100 × Bottom Width: 1500 × Depth: 1600mm	Top Length: 5900 × Top Width: 2100 × Bottom Width: 1500 × Depth: 1600mm
Loading Height	1.9m	3.0m
Drawbar Length	1400mm	1400mm
Plate Thickness	Bottom: 5mm; Sides: 5mm	Bottom: 5mm; Sides: 5mm
Oil Tank Capacity	90 Liters	90 Liters
Gear Reducer	Tri-Combined Reducer	Tri-Combined Reducer
Internal Structure	Chain-Slat Pusher Feed; Twin Vertical Beater Discharge	Chain-Slat Pusher Feed; Twin Vertical Beater Discharge
Bearings	Front Axle Bearing: T312; Rear Axle Bearing: Fc215	Front Axle Bearing: T312; Rear Axle Bearing: Fc215
Axle	Heavy-Duty Single Axle	Heavy-Duty Tandem Axles
Machine Weight	4100kg	6500kg
Chain	Mining-Grade Triple-Row Drive Chains	Mining-Grade Triple-Row Drive Chains

Dimensions

Tires	445 Vacuum Steel-Delt Radial Tires	445 Vacuum Steel-Delt Radial Tires
Tire Diameter	1130mm	1130mm
Wheel Hub Capacity (Single Axle)	~7,500kg Per Wheel Hub	~7,500kg Per Wheel Hub
Tire Size	600/55r-22.5 (Single Axle)	445/65r-22.5 (Tandem Axles)

Performance

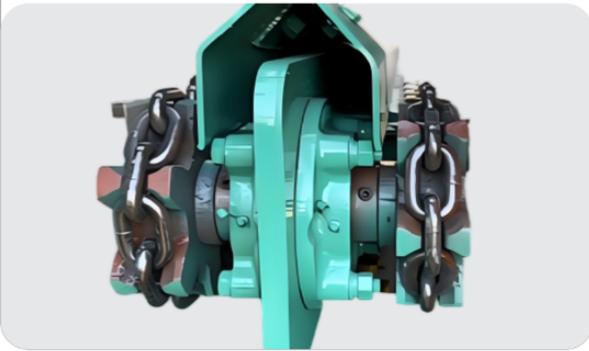
Beater Diameter	810mm	810mm
Beater Speed	540rpm	540rpm
PTO Speed	540rpm	540rpm
Apron Chain Link Diameter	14mm	14mm
Recommended Tractor PTO Hp	120	200



Highlights of Our Manure Spreader Design

Reinforced Scraper System

The scraper assembly is reinforced to withstand prolonged use under heavy loads without deformation. Precision-engineered chains ensure reliable tracking without derailment, and the main shaft is quality-tested to prevent failure during operation.



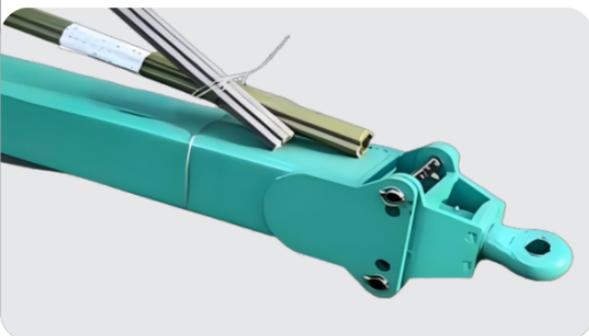
Self-Cleaning Sprocket

An integrated cleaning device automatically removes manure buildup from the sprocket as it rotates, ensuring consistent, stable chain performance and reducing maintenance frequency.



Adjustable Drawbar with Overload Protection

Fitted with a heavy-duty adjustable traction head to accommodate various towing setups. The transmission system features built-in overload protection – if the beater system encounters excessive resistance or jamming, the mechanism disengages to prevent damage to critical components.



Heavy-Duty Dual-Chain Conveyor

The conveyor system features a reinforced dual-row chain design with high-strength, ring-formed steel links. Constructed from thickened stamped plates, the assembly delivers excellent durability, tensile strength, and wear resistance. Rear-sprocket drive ensures stable material delivery under high-load, continuous-duty conditions – ideal for large-scale manure handling.



Durable Vertical Beaters

The LAMS Series are equipped with oversized, heavy-duty vertical beaters and reinforced base discs to handle tough spreading jobs with ease. Designed for durability, this system delivers outstanding breakup performance, especially on dense clumps and frozen manure, while offering a long service life under intensive use.



Quick-Swap Shear Pins

The drive shaft is protected by shear pins that are designed to break under excessive load, preventing damage to the gearbox. If a pin fails, replacement is fast and inexpensive, ensuring minimal downtime and keeping maintenance costs low.



High-Traction Agricultural Tires

Fitted with wide-profile, agricultural-grade steel wire tires, the spreader offers excellent load-bearing capacity and traction. These tires minimize slippage and adapt well to uneven or soft terrain, improving stability and field performance across a range of operating conditions.



Precision Multi-Row Chain System

The conveyor is equipped with heavy-duty chains arranged in multiple rows – three on the 12m³ model and four on the 20m³. Each row runs on synchronised sprockets, providing precise alignment and even load distribution. This design enhances durability, improves spreading consistency, and extends the system's service life under continuous use.





Operation & Maintenance Guidelines



01 Driveline and Heater Setup

When placing your order, confirm the correct driveline specifications: small 6-spline, small 8-spline, or large 8-spline. Also ensure proper heater configuration – 1 × 12V heater bottle and 2 × 24V heater bottles are included as required.

02 Initial Setup for Hydraulic Fan (If Applicable)

Before first use, verify that the hydraulic fan for any liquid fertilizer system is properly connected to the heater bottle. Operating without this connection may cause overheating and damage to the hydraulic motor.

03 Hub & Fastener Inspection

Regularly inspect the hub's steel wires and fasteners. Loose bolts can cause wear to the axle head and wheel hub. Tighten or replace components immediately if signs of loosening are detected.

04 Startup Procedure

Always ensure the discharge gate is fully open before engaging the main drive shaft to avoid mechanical strain.

05 Warranty Coverage

The unit is backed by a 12-month manufacturer's warranty. Defects caused by material or manufacturing faults will be repaired or replaced free of charge. Damage caused by misuse or improper operation will be serviced at the owner's expense based on parts and labor costs.

Built to Last, Priced to Save



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