

FM/FMH Hopper Spreader



HOPPER CONSTRUCTION

- Hopper body fabricated from #12 gauge steel with formed top channel, #12 gauge conveyor sides and #10 gauge floor all welded into a unit
- Cross brace channel with lifting eye provided for additional rigidity and easy handling of empty spreader
- Rear gate opening is controlled by a lever and chain arrangement, without opening engine hood

CONVEYOR

- Pintle chain (25,000# ultimate) with 1/4" x 1" bars welded 4-1/2" on center (every other link)
- Overall conveyor width 16-3/4"
- Idler take-up with 3" of adjustment
- Drag chain can be disconnected at front or rear of conveyor allowing for chain removal
- Conveyor sides are slotted at both ends for ease of removing components for repair

CONVEYOR DRIVE

- Powered through an electric clutch, #40 roller chain and 20:1 gearbox with hardened and ground worm polished bronze gear and tapered roller bearings
- Gearbox output shaft is 1-1/4" in diameter and is supported on outer end by a 1-1/4" relube type two bolt cast flange bearing
- (2)-six-tooth drive sprockets keyed to rear shaft
- (2)-idler sprockets have bronze bushing inserts and turn on a 1" idler shaft that is rifle and cross drilled with a grease fitting at each end

SPINNER AND CHUTE

- Molded 14" urethane HD disc with 4-vanes, driven by #40 chain from gear box input shaft
- Material chute has two internal adjustable deflectors and four external deflectors
- Three adjustable deflectors help control spread pattern, and the fixed deflector protects rear of truck
- Optional 12" and 18" extensions are available for larger trucks

ENGINE DRIVE

- 10.5 HP Industrial/Commercial Briggs and Stratton air-cooled gasoline engine
- Conveyor and spinner driven through electric clutch and roller chains
- Engine is equipped with 12-volt electric starter and alternator
- Bottom hinged, easy open engine hood with safety chain encloses the engine, battery and electric clutch

HYDRAULIC DRIVE

- Char-Lynn orbital high torque hydraulic motor chain coupled to gearbox input shaft
- Single hydraulic motor drives both conveyor and spinner
- Power supplied by truck hydraulic system

CAB CONTROLS

- Spread accurately and conveniently without leaving cab
- 2-piece throttle cable is spliced at front of hopper, allowing for removal of spreader without removing cab control end
- Electrical components are protected by enclosed control box
- Engine control system is self-contained for easy installation and operation without connecting to truck electrical system
- Self-contained control system and optional electric throttle control allows spreader to be installed without mounting control box permanently in cab

SAFETY FEATURES

- Hinged drag chain covering at front of conveyor
- Shields covering drive and spinner chains
- Center high mount stoplight
- Hopper height and conveyor width designed for better visibility and stability
- Rear hinged hood with restraining chain for engine drive
- Clamps to hold screen in place

OPTIONS

- *Electric throttle control* • *Hydraulic spinner motor* • *Heavy duty hold down group* • *Top screen* • *Heavy duty sloped and hinged top screen* • *6" Hopper height extension (adds .7 yd.)* • *12" Hopper height extension (adds 1.3 yd.)* • *Hinged inverted vee* • *Wetting system – electric or hydraulic* • *409 stainless steel* • *304 stainless steel* • *Special sizes (additional capacity)* • *Special color*

Dimensional Chart

Length	Width	Height	Overall Length	Capacity	Approx. Weight
7'	54"	29"	102"	1.6 Cu. Yd.	725
8'	54"	29"	114"	1.8 Cu. Yd.	825



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