

FSDM/FSDMH

Hopper Spreader



Low profile medium duty spreader

Mounts quickly and easily

Ideal for trucks between 15,000GVW and 26,000GVW

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
- Three side supports per side with inside cross channel for additional rigidity
- Lift loops, provided at each corner for easy handling of empty spreader
- Rear gate opening is controlled by a lever and chain arrangement, without opening engine hood
- Hinged inverted vee over conveyor chain

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 for easy chain removal
- Conveyor sides are slotted at both ends for ease of removing drive 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 an 1-1/4" relube type two bolt cast flange ball 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 four vanes, driven by hydraulic motor coupled to spinner shaft
- 12" chute extension is enclosed with a rear access panel
- 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 18" extension is 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
- Char-Lynn orbital high-speed hydraulic motor chain coupled to spinner shaft
- Power supplied by truck hydraulic system

CAB CONTROLS

- Spread accurately and conveniently without leaving cab
- Cab control equipped with toggle switch for throttle/choke, toggle switch for electric clutch on/off, key switch, and light for electric clutch
- 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
- Electrical plugs provided for installation where needed
- Self-contained control system and 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
- Hopper height and conveyor width designed for better visibility and stability
- Rear hinged hood with restraining chain for engine drive
- Rear light bar to meet federal standards

OPTIONS

- Heavy duty hold down group
- Heavy duty sloped and hinged top screen
- Wetting system – hydraulic or electric
- 304 stainless steel
- Light group
- Special color

Dimensional Chart

Length	Width	Height	Overall Length	Capacity	Approx. Weight
8'	72"	38"	114"	3.0 Cu. Yd.	1050
8'	72"	43"	114"	3.7 Cu. Yd.	1100
9'	72"	38"	126"	3.4 Cu. Yd.	1150
9'	72"	43"	126"	4.2 Cu. Yd.	1200
10'	72"	38"	138"	3.8 Cu. Yd.	1250
10'	72"	43"	138"	4.7 Cu. Yd.	1300

Ice & Snow Control PLOWS

