

WARREN

LS-3420

Hydraulic Litter Spreader Body

Hydraulic powered spreader for spreading lightweight bulky material such as chicken litter, sawdust, shavings, and rice hulls.



The Warren LS-3420 spreader incorporates a simple hydraulic power system with a large capacity steel hopper body for profitable and long life operation.



www.dumptrucks.com
www.spreaders.com

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LS-3420 Design Features



Body Construction:

Electrically welded in bed type jigs and fixtures for accurate fit and alignment. 10 gauge steel sides and sills form the hopper sides in one piece with no horizontal seam corrosion pocket. Sides/Sills/End Gates have inverted "J" formed top edge for extra strength and stiffness without corrosion pockets. Full slope 10 ga. Trapezoidal side supports are located at each cross sill and hold sides at a 45 degree angle. "Tapered-in" front and rear for better material seal and reduced power requirement. 3/16" steel conveyor bottom with angle type support stiffeners. 12 ga. Skid resistant catwalks serve as fenders with mud flaps.

Conveyor:

Overall and conveying width 34" with a 12" x 34" maximum opening on hand crank type feed-gate. Heat treated pintle conveyor chain strands have 7/16" riveted pins and 2 1/4" pitch. 3/8" x 1 1/4" cross bars are welded to every fourth link. Six tooth steel sprockets mounted to 1 1/2" diameter idler and 2" diameter drive shaft. 4" chain idler adjustment with anti-friction bearings.



Conveyor Drive:

Heavy duty 6:1 reduction spur type gearbox with 2" diameter drive shaft mounted with a four bolt flange type sealed ball bearing. Conveyor speed is a function of the hydraulic pump speed which is dependent on the truck engine speed providing a ground speed relationship. Truck PTO should run at approximately 50-75% of engine speed.

Distributor Spinner Assembly:

Two 24" diameter canted spinners are driven by hydraulic motors. All hydraulic motors are the same for ease of service. Inverted "V" flow divider. Three specially formed adjustable replaceable fins on each spinner. Protective spinner guard.

Options

- Variable Conveyor Speed Controller
- Full Length Catwalks
- Shaving Broadcaster
- Hydraulic quick coupler for spinner shut off
- Heavy Duty Spinner & Conveyor Motors

Specifications:

Spreader Length	12'	14'	16'	18'	20'	22'	24'
Cab to Axle	84"	102"	115"	120"	132"	156"	180"
Capacity (cu. Yds.)	9.7	11.3	12.9	14.6	16.2	17.8	19.4
Weight (lbs.)	2545	2850	3155	2460	3765	4070	4375

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