

# FSP AND FSM

Sand and Salt Spreaders

**Henderson**

## ADAPTABILITY IT'S IN THE GENES

The FSP and FSM Sand and Salt Spreaders are shining examples of the adaptability bred into the Henderson family of products. They fit all sizes of pickup trucks and utility dump bodies. And they install in a hurry...almost instantly. Just hoist them in and strap them down, because they are completely self-contained.

The **FSP** is designed for lighter duty pick-up truck applications. They are available in multiple lengths and capacities up to 4.0 cubic yards.

The **FSM** is sized to be compatible with all utility dump bodies. It features a wider conveyor (15") and hopper (70") to handle bigger jobs.

So, when the weather suddenly "turns" and you have been using your truck for other duties, you can be ready to fight ice in moments.

Ideal for municipalities and private contractors for a multitude of applications... cul-de-sacs, parks and recreation, malls, condos, ski resorts and much, much more.

Both models are built for rugged duty and longevity with minimum maintenance. You'd expect this kind of attention to quality from...

*The Dependable Ones*



**FSP** – Ideal for pick-up applications

**FSM** – Ideal for medium duty dump body applications

- Single lift point for quick, one-man installations
- 10.5 HP Briggs engine. 11 HP Honda **OPTIONAL**
- FSM available with single or dual hydraulic motors **OPTIONAL**
- Cab-mounted controls with electric throttle for instant adjustment
- Easily replaceable idler assembly with greaseable sealed ball bearings
- Polyurethane spinner eliminates rust and extends spinner disc life
- Spinner chute baffles are adjustable and replaceable without tools
- 12-volt electric starter assures fast start every time
- Easily adjustable idler shaft minimizes chain adjustment time
- Welded-on tie down lugs eliminate scratching of paint and speed installation time
- Hoppers are continuously welded which minimizes corrosion points
- 12 ga. sides and side supports
- Expanded hopper capacity on all models

# FEATURES & SPECIFICATIONS

LENGTH	OVERALL LENGTH	BODY WIDTH	BODY HEIGHT	WEIGHT	CAPACITY		
					STRUCK (cu. yd.)	W/6" EXT. STRUCK	W/12" EXT. STRUCK
<b>FSP DIMENSIONS AND CAPACITY CHART</b>							
5'	77-1/4"	50-1/2"	33"	595 lbs.	1.3	1.7	2.1
6'	89-1/4"	50-1/2"	33"	645 lbs.	1.5	2.0	2.4
7'	101-1/4"	50-1/2"	33"	705 lbs.	1.8	2.4	2.9
8'	113-1/4"	50-1/2"	33"	760 lbs.	2.0	2.6	3.3
9'	125-1/4"	50-1/2"	33"	815 lbs.	2.3	3.0	3.7
10'	137-1/4"	50-1/2"	33"	870 lbs.	2.5	3.3	4.1
<b>FSM DIMENSIONS AND CAPACITY CHART</b>							
8'	113-1/4"	70"	39"	905 lbs.	3.0	3.9	4.7
9'	125-1/4"	70"	43"	979 lbs.	4.0	5.0	5.9
10'	137-1/4"	70"	43"	1041 lbs.	4.5	5.6	6.7

## GENERAL

Self-contained sand and salt spreaders for mounting on pickup trucks (**FSP**) and utility dump trucks (**FSM**) powered by a 10.5 HP Briggs gasoline engine (11 HP Honda OPTIONAL). Material is spread by a 13" polyurethane spinner disc fed by a pintle type chain conveyor. Material being spread is metered for economy and accuracy of placement.

Cab mounted controls with breakaway plug for quick mounting and removal of unit. All surfaces are high-pressure cleaned and phosphated, primed and painted Highway Orange (304 stainless steel units unpainted).

## BODY

Overall height is 33" on **FSP** and 39"/43" on **FSM**. Both models feature single lift point on cross-channel support. Lever action feedgate for easy adjustment of application rate.

**FSP** units have a minimum of two 12 ga. side supports per side. Single piece sides and conveyor sill with continuous weld joints eliminate corrosion points. 10 ga. floor is solid welded to help prevent corrosion points. **FSM** units have a minimum of three 12 ga. side supports per side.

## CONVEYOR

Pintle chain with 1/4" x 3/4" crossbars (on **FSP**) 1/4" x 1" crossbars (on **FSM**) spaced on 4" centers. Chain tensile strength is 11,000 lbs. per strand. 20:1 gearcase has

a high tensile cast iron housing, aluminum bronze gear and a hardened and ground steel worm.

## SPINNER CHUTE ASSEMBLY

Material is guided from conveyor to spinner through an enclosed chute with two easily adjustable internal material deflectors.

Chute features four external deflectors, three (3) of which provide easy spread pattern adjustment. No tools required. 13" diameter polyurethane spinner disc creates a spread of 4' to 32'.

## ENGINE

10.5 HP, 4-cycle, air-cooled, B&S INTEK engine with cast iron cylinder sleeves (11 HP Honda OPTIONAL). Standard equipment includes a 12-volt electric starter/alternator, electric clutch that is rated at 90 ft/lbs that can be engaged/disengaged at any selected engine RPM. The engine compartment is completely enclosed with a hinged hood.

## CAB CONTROLS

Cab controls allow for total operation from cab with rocker switches for starting engine, engaging electric clutch, engine RPM and throttle adjustment all at your fingertips. Functions are backlit for easier nighttime operation.

## OPTIONS

- **Premium cab control** – Includes all of the standard controls plus tachometer, hour meter and maintenance alarm. Functions are backlit for easier nighttime operations.
- **Inverted vee** – Reduces load down pressure on conveyor chain and helps prevent material compaction. (Standard on FSM.)



Standard screens shown

- **Top grate screen** – **FSP**, one piece expanded metal screen with an angle iron frame. **FSM**, 1/4" rod x 1/4" rod. Top screens keep large, unwanted debris and frozen material out of hopper.
- **H.D. top grate screen** – 3/8" rod x 3/8" rod with an angle iron frame.
- **12" longer spinner chute** – Extends the spinner chute an extra 12" below mounting surface. (Standard on FSM.)

- **6" or 12" side extensions** – For increased capacity. Shipped loose for bolt-on installation.



Dual hydraulic motors shown

- **Hydraulic drives** – Single or dual hydraulic motor(s). Dual hydraulic drive systems have individual drive motors, one for the spinner, one for the conveyor, which allow for independent speed adjustments.
- **Honda engine** – 11 HP Honda in lieu of standard B&S engine.
- **304 unpainted stainless steel** – Greatly extends unit life. Sides, ends, sills, floor, feedgate, side supports, engine hood, base plate and spinner chute assembly are all of stainless steel.

- **Vehicle battery wiring harness** – A two-piece, heavy-duty wiring harness with disconnect plugs to hook up spreader to vehicle battery in lieu of a separate battery.
- **Spreader battery kit** – Includes battery tray, box and cables. Battery not included.
- **Center high-mounted stop lamp kit** – A sealed/ housed stop lamp kit for units with side extensions that will restrict visibility of the vehicle CHMSL.



- **Hold-down kit** – Ratchet style nylon hold-down straps for quick mounting of the unit.
- **Pre-wetting system** – Adds to system, increasing effectiveness of granular material at lower temperatures, and helps eliminate scatter.

# Henderson

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