

Whether you're treating roadways or parking lots, Henderson has the solution.

The FSP & FSM sand and salt spreaders are shining examples of the adaptability built into the Henderson family of ice control products. They fit all sizes of pickup trucks and utility dump bodies. And they install within a matter of minutes. Just hoist them in and strap them down, because they are completely self-contained.

The FSP was designed specifically for pickup truck applications. It's available in capacities up to 4.0 cu. yd. and lengths of 5' to 10'.

The FSM is sized to be compatible with all utility dump bodies. It features a wider conveyor (16") and a hopper (70") to handle bigger jobs.

When severe winter weather strikes, you'll have the right equipment to battle even the worst elements in a moment's notice. These sand and salt spreaders are ideal for both municipal and private contractor use.

Both models are built for rugged duty application, longevity and minimal maintenance. When you demand quality and durability, you can always count on...

The Dependable Ones™



FSP - ideal for pickup truck applications.

FSM - ideal for medium-duty dump truck applications.

All photos shown with optional equipment.

- Single lift point for quick, one-man installation.
- 10.5 HP Briggs & Stratton engine is standard equipment. 11 HP Honda engine is an optional upgrade.
- **OPTIONAL** - FSM is available with single or dual hydraulic motors. Both the FSM & FSP are available with 3/4 HP electric motor.
- 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.
- Weld-on tie down lugs eliminate scratching of paint and speed up installation time.
- Hoppers are continuously welded, minimizing the number of corrosion points.
- 12 ga. side walls and supports.
- Expanded hopper capacity available 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
FSP DIMENSIONS & CAPACITY CHART							
5'	77-1/4"	50-1/2"	33"	595 lb.	1.3	1.7	2.1
6'	89-1/4"	50-1/2"	33"	645 lb.	1.5	2.0	2.4
7'	101-1/4"	50-1/2"	33"	705 lb.	1.8	2.4	2.9
8'	113-1/4"	50-1/2"	33"	760 lb.	2.0	2.6	3.3
9'	125-1/4"	50-1/2"	33"	815 lb.	2.3	3.0	3.7
10'	137-1/4"	50-1/2"	33"	870 lb.	2.5	3.3	4.1
FSM DIMENSIONS & CAPACITY CHART							
8'	113-1/4"	70"	39"	905 lb.	3.0	3.9	4.7
9'	125-1/4"	70"	43"	979 lb.	4.0	5.0	5.9
10'	137-1/4"	70"	43"	1,041 lb.	4.5	5.6	6.7

GENERAL

Self-contained sand and salt spreaders for mounting in pickup trucks (FSP) or utility dump trucks (FSM) powered by a 10.5 HP Briggs & Stratton gasoline engine (11 HP Honda engine 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 (phosphated), primed and painted Highway Orange (stainless steel units unpainted).

BODY

Overall height is 33" on the FSP and 39"/43" on the FSM. Both models feature single lift points 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 (FSP) and 1/4" x 3/4" crossbars (FSM) spaced on 4" centers. Chain tensile strength is 11,000 lb. per strand. 20:1 gearcase (same for optional FSP electric motor) has a high tensile cast iron housing, aluminum bronze gear and a hardened and ground steel worm. 60:1 gearcase for the optional FSM electric motor.

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, Briggs & Stratton INTEK engine (11 HP Honda engine optional) with cast iron cylinder sleeves. Standard equipment includes a 12-volt electric starter/alternator, electric clutch that is rated at 90 ft./lb. that can be engaged or 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 Controls** - 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 Top Grate Screen** - is one-piece expanded metal screen with an angle iron frame on the FSP. Screen on FSM is 1/4" x 1/4" rod. Top screens keep large, unwanted debris and frozen material out of hopper.
- **HD Top Grate Screen** - 3/8" x 3/8" rod with an angle iron frame.



- **12" Long 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.
- **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.



- **Electric Drive** - 3/4 HP electric motor can be used with the basic variable speed control or packaged with the CHARGE Clean-Power Series. The motor housing is totally enclosed and constructed of stainless steel. Electronics are housed in 4x NEMA enclosure. Spinner and conveyor speed can be controlled with the single 3/4 HP motor or they can be controlled independent of each other with an electric spinner motor.
- **Honda Engine** - 11 HP Honda gasoline engine in lieu of standard Briggs & Stratton engine.
- **Stainless Steel (unpainted)** - greatly extends the unit life. Sides, ends, sills, floor, feedgate, side supports, engine hood, base plate and spinner chute assembly are all fabricated from 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 spreader, increasing effectiveness of granular material at lower temperatures and helps eliminate scatter.

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