

H&S

HYDRAULIC PUSH MANURE SPREADERS



Hydraulic Push w/Horizontal Beaters

HP425



Weight is distributed over the axles with 3" diameter stress proof spindles inserted into a sleeve.

A 550 Bushel Horizontal Beater Model HP550VB is also available.



Horizontal beater models feature a top beater as standard equipment and are shear bolt protected at the front pto assembly.

Beater blades are replaceable and the beater assembly is removable for stockpiling manure.



The beaters are driven by the HP's unique center drive system. #80 chains are used for strength and long life. Easy open shields makes lubing of chains easy.



Heavy duty rectangular tubing is used for the pole to ensure strength and long life.

Structural channel floor supports spaced 9 1/2" apart are used for maximum floor support.



The H&S Hydraulic Push-Off System on all models feature a hydraulic variable speed control and two hydraulic cylinders that sequence to reduce push-off forces and fast unloading of material.



The HP's PTO beater drive system consists of a straight shaft off the PTO underneath the center of the manure spreader to an angle gearbox in the rear, and over to the beater drive sprocket.

Hydraulic Push w/Vertical Beaters

HP550VB



A 425 Bushel Vertical Beater Model HP425VB is also available.



The HP425VB & HP550VB can be ordered with a vertical beater assembly or horizontal beater.

Beater assemblies are interchangeable. Removal and installation of either beater assembly is done by removing the mounting bolts and a drive chain, interchanging beaters, then reinstalling the mounting bolts and drive chain.

Beater gearboxes are safely mounted on the top side of the vertical beaters rather than the bottom to avoid being destroyed by foreign objects.



An Auto-oiler for the vertical beater drive chains is standard equipment.



The vertical beater features a quick release clean out pan. The left photo shows the pan in the open position for clean out, and the right photo shows the pan in the closed position for operation.



All Hydraulic Push models use solid virgin grade poly with UV inhibitor, for the floor and sides allowing less friction.

The hydraulic endgate has 2 cylinders with 3/8" hose and pipe for faster operation in cold weather.

SPECIFICATIONS

Model	HP 425	HP 550	HP 425VB	HP 550VB
CAPACITY – OLD RATING	425 Bushel	550 Bushel	425 Bushel	550 Bushel
CAPACITY CU. FT, STRUCK LEVEL	270	430	270	430
SIDE LOADING HEIGHT	61 1/4"	81"	61 1/4"	81"
2ND OR VERTICAL BEATER HEIGHT	74 3/4"	86 3/4"	104 1/2"	121 1/2"
HEIGHT-TOP OF HYD. END GATE (W/O HOOK)	65"	85 1/2"	65"	85 1/2"
HEIGHT-TOP OF SCREEN (VERT. BEATER ONLY)	N/A	N/A	98"	117"
INSIDE WIDTH	72"	72"	72"	72"
INSIDE LENGTH	16'	16'	16'	16'
INSIDE DEPTH	34"	53"	34"	53"
OVERALL WIDTH W/TIRES	10'2"	10'2"	10'2"	10'2"
OVERALL LENGTH	26'5"	26'5"	27'5"	27'5"
STANDARD NUMBER OF BEATERS	2	2	2	2
HORIZONTAL BEATER DIAMETER/LOWER	29"	29"	N/A	N/A
HORIZONTAL BEATER DIAMETER/UPPER	20"	29"	N/A	N/A
VERTICAL BEATER DIAMETER	N/A	N/A	34"	34"
REPLACEABLE BEATER PADDLES	Yes	Yes	Yes	Yes
REMOVEABLE BEATER ASSEMBLY	Yes	Yes	Yes	Yes
STANDARD PTO SPEED	540 RPM	1000 RPM	540 RPM	1000 RPM
OPTIONAL PTO SPEED	1000 RPM	540 RPM	1000 RPM	540 RPM
PTO OVERLOAD PROTECTION	Shear Bolt	Shear Bolt	Shear Bolt	Shear Bolt
HYDRAULIC PUSH CYLINDER DIAMETER	3 1/2"	4 1/2"	3 1/2"	4 1/2"
HYDRAULIC PUSH CYLINDER HOSE DIAMETER	3/8"	1/2"	3/8"	1/2"
HUB	8 Bolt	10 Bolt	8 Bolt	10 Bolt
SPINDLE SIZE	3"	3"	3"	3"
TIRE SIZE	385 x 22.5	425 x 22.5	385 x 22.5	425 x 22.5
HYDRAULIC END GATE	Standard	Standard	Standard	Standard
CYLINDERS ON HYDRAULIC END GATE	2 W-3/8" Hose	2 W-3/8" Hose	2 W-3/8" Hose	2 W-3/8" Hose
REAR PAN	Optional	Optional	Standard	Standard
JACK	Standard	Standard	Standard	Standard
WOOD SIDE RAILS	Standard	Standard	Standard	Standard
WEIGHT W/TIRES	7,000#	9,680#	7,900#	11,000#

Warranty: See operators manual for warranty details and limitations. H&S reserves the right to change its products or the description at any time without notice or obligation.

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to change without prior notice.

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H&S MANUFACTURING

2608 S. Hume Avenue
P.O. Box 768 • Telephone (715) 387-3414
FAX (715) 384-5463 • Website www.hsmfgco.com

MARSHFIELD, WI 54449



H&S WAREHOUSE 10145 Lakeshore Road
P.O. Box 1260 • Telephone (716) 736-7595
FAX (716) 736-7596 • Website www.hsmfgco.com

RIPLEY, NY 14775