



HYDRA-PUSH
**MANURE
SPREADERS**



STRONG | EFFICIENT | RELIABLE

HSMFGCO.COM



MODEL HPV4255



MODEL HPH4242

HP4200 SERIES

HYDRA PUSH

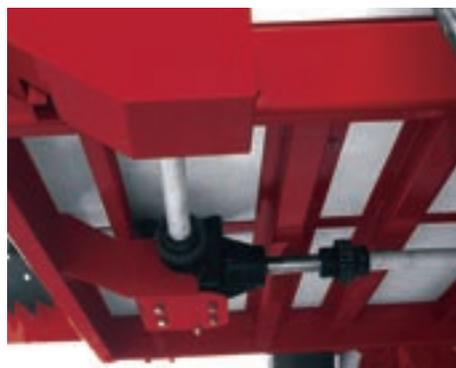


MODEL HPV4255



HYDRAULIC PUSH-OFF SYSTEM

The hydraulic push-off system on all models features two hydraulic cylinders that sequence to reduce push-off forces for fast unloading of material.



ENSURE STRENGTH

Structural channel floor supports spaced 9 1/2" apart. Heavy-duty rectangular tubing is used for maximum strength and long life.



LESS FRICTION

Solid virgin grade poly with UV inhibitor for the floor and sides, reducing friction with no freeze-up.

HP4200 SERIES

HYDRA-PUSH



FEATURES

- Poly bump rails
- Constant velocity PTO
- LED highway lighting
- Easy open shields makes lubricating bearings easy
- The hydraulic endgate has 2 cylinders with 3/8" tube for faster operation in cold weather
- Shear bolt drive line protection on the horizontal beater models.



CENTER DRIVE SYSTEM

A torque limiting PTO on the vertical beater models connects the center drive shaft to the beater assembly.



UPPER BEATER

Standard on all *HYDRA-PUSH* horizontal beater models. Allows for load leveling and spreading of high heaped loads.



HPV4255



BUILT TO LAST

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



BEATER REMOVAL

The beater assembly can easily be removed from both horizontal and vertical models.



EXTRA LARGE FRONT SCREEN

Standard on all *HYDRA-PUSH* vertical beater models. Helps protect the tractor and operator from rogue material.

OPTIONS

Rear pan for horizontal beater models
Manual adjust hydraulic variable speed pusher control
Electric adjust hydraulic variable speed pusher control
Hydraulic actuator light covers
1-3/8" 1000 RPM or 1-3/4" 1000 RPM Constant Velocity PTO
Bullnose, clevis or pintle hitch
19L x 16.1 10 Ply, 425 x 22.5, 550/45 x 22.5 Tires (HP4242)
425 x 22.5 or Heavy tandem axle w/600/50 x 22.5 Tires (HP4255)



HYDRA-PUSH-OFF SYSTEM

The H&S hydra-push-off system on all models feature two hydraulic cylinders that sequence to reduce push-off forces and fast unloading of material.

MONOBLOC GEARBOX AND

The vertical beater bottom drive mechanism is a heavy-duty assembly with a torque limiting and overload protection to the driveline.

HEAVY HYDRAULIC HOSE C



PTO CENTER DRIVE SYSTEM

The monobloc gearbox features a PTO
overrunning clutch that provides

COUPLERS & PTO SHAFT

PATENTED REVERSE FLIGHTING

The top 21" of flighting on the vertical beaters is reversed to provide an even spread pattern. Unlike conventional vertical beater manure spreaders that will have a lighter area of material in the center, the PATENTED reverse flighting spreads material into the center of the spread pattern thus creating an even, uniform spread pattern.



	HPH4242	HPH4255	HPV4242	HPV4255
Capacity cu. ft. struck level*	246.53	383.39	246.53	383.39
Capacity cu. ft. heaped*	374.41	511.27	374.41	511.27
Side loading height	61-1/4"	81"	61-1/4"	81"
Beater height	74-3/4"	86-3/4"	104-1/2"	121-1/2"
Height w/hydraulic endgate (w/o hook)	65"	85-1/2"	65"	85-1/2"
Height - top of pusher/screen	76"	95"	98"	117"
Inside width	72"	72"	72"	72"
Inside length	15'	15'	15'	15'
Inside depth	34"	53"	34"	53"
Overall width w/ 425 tires	10' 2"	12' 5"	10' 2"	12' 5"
Overall length	28'	28'	29' 1"	29' 1"
Standard number of beaters	2	2	2	2
Beater diameter	Upper - 20" Lower - 29"	Upper - 29" Lower - 29"	34"	34"
Replaceable beater paddles	Yes			
Removable beater assembly	Yes			
Hydraulic push cylinder diameter	3-1/2"	4-1/2"	3-1/2"	4-1/2"
Hub	8 Bolt / 8,000 Lb.	10 Bolt / 12,000 Lb	8 Bolt / 8,000 Lb	10 Bolt / 12,000 Lb
Spindle size	3"			
Hitch choices	Bullnose, clevis or pintle			
Hydraulic endgate	Standard			
Cylinder on hydraulic endgate	2 w/ 3/8" lines			
Jack	Standard			
Poly side rails	Standard			
Weight w/tires	7,000 Lbs.	8,500 Lbs.	8,800 Lbs.	11,000 Lbs.
Standard Safety Chain	40,500 Lb.			

*per ASAE S324.2



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