

# H&S

## HDNR & SUPER DUTY FORAGE BOXES



# HDNR - HEAVY DUTY/NO ROOF

## “HDNR” Forage Boxes

Available in either  
**HD 7+4** or **HD Twin Auger**  
front unload systems w/PTO  
Drive or Hydraulic Drive



HDNR Boxes are available in either front unload or front & rear unload in 18', 20' and 22' lengths.



An optional rear unload drive system with a quick change pin is available on all HDNR & Super Duty forage boxes.



A separate clutch allows you to start and clear the cross conveyor or augers before you start the beaters or main apron conveyors.

A simple trouble-free variable speed drive lets you match just the right unload speed to the crop type, load condition and blower capacity.



H&S uses three – 18" 4 bar H.D. spiral type beaters – not augers. Aggressive in handling tough material, they are even feeding. All three beaters are mounted in the head, not auxiliary panels in the box. Beater shafts are 1 1/4" equipped with greasable bearings.



All HDNR and Super Duty Forage Boxes feature Cross Z-iron. Cross Z's are welded to the side channels in-line with stakes for added strength.



On all rear unload boxes, once the tailgate safety lock is released, the self-locking mechanism unlocks automatically while unloading and locks shut when the tailgate closes.

**The HD 7+4 front & rear unload boxes have the option of being ordered with P.T.O. rear drive or hydraulic rear drive.**

**The HD Twin Auger front & rear unload boxes come with hydraulic rear drive only.**

# SPECIFICATIONS

## HDNR 7+4 & HDNR TWIN AUGER

MODEL - FLOOR/LOAD LENGTH →	18'	20'	22'
INSIDE WIDTH	7'4"	7'4"	7'4"
INSIDE HEIGHT (floor to top of side)	86"	86"	86"
INSIDE LENGTH	18'	20'	22'
OVERALL WIDTH	108"	108"	108"
OVERALL LENGTH	Front: 20'7" • F&R: 21'6"	Front: 22'7" • F&R: 23'6"	Front: 24'7" • F&R: 25'6"
STANDARD BOX OVERALL HEIGHT	101"	101"	101"
FRONT UNLOAD BOX CAPACITY	913 cu. ft.	1018 cu. ft.	1123 cu. ft.
FRONT & REAR UNLOAD BOX CAPACITY	933 cu. ft.	1038 cu. ft.	1143 cu. ft.
WEIGHT - FRONT UNLOAD BOX	7945#	8405#	8865#
WEIGHT - FRONT & REAR UNLOAD BOX	8145#	8605#	9065#
APRON CHAIN - FRONT UNLOAD BOX	T-ROD CHAIN - STANDARD • 667H, 667X & 667XH - OPTIONAL		
APRON CHAIN - FRONT & REAR UNLOAD BOX	667H PINTLE CHAIN - STANDARD 667X & 667XH PINTLE CHAIN - OPTIONAL		667X PINTLE CHAIN - STANDARD 667XH - OPTIONAL
CROSS FEED - HD 7+4	22" WIDE - CA550 CHAIN WITH WELDED SLATS • RIGHT OR LEFT HAND DISCHARGE		
CROSS FEED - HD TWIN AUGER	2 - 10" SIDE BY SIDE AUGERS WITH ADJUSTABLE DISCHARGE CHUTE 22" WIDE — LEFT HAND ONLY		
UNLOADING BEATERS	3 - 18" - 4 BAR SPIRAL — EVEN FEED		
MAIN APRON SPEED	VARIABLE SPEED DRIVE — 12 UNLOAD SPEEDS		
FRONT DRIVE SEQUENCE	BRONZE WORM GEAR BOX — #80 ROLLER CHAIN — 1 3/4" MAIN APRON DRIVE SHAFT		
POWER SOURCE	540 PTO OR HYDRAULIC DRIVE		
EMERGENCY STOP CLUTCH	STANDARD		
REAR UNLOAD DRIVE	HD 7+4 CHOICE OF HYDRAULIC DRIVE OR P.T.O. DRIVE. / HD TWIN AUGER HYDRAULIC REAR DRIVE ONLY		
REAR UNLOAD SPEED	UNLOAD TIME IS DEPENDENT ON TRACTOR R.P.M., HYDRAULIC PRESSURE AND G.P.M.		
REAR ENDGATE	AUTOMATIC LOCK AND UNLOCK		
ROOF	OPTIONAL	OPTIONAL	OPTIONAL
REAR GATE DELAY	OPTIONAL	OPTIONAL	OPTIONAL

## SUPER DUTY 7+4

MODEL - FLOOR/LOAD LENGTH →	22'	24'	26'
INSIDE WIDTH	7'4"	7'4"	7'4"
INSIDE HEIGHT (floor to top of side)	86"	86"	86"
INSIDE LENGTH	22'	24'	26'
OVERALL WIDTH w/EXTENSION	109"	109"	109"
OVERALL LENGTH	Front: 25'7" • F&R: 26'6"	Front: 27'7" • F&R: 28'6"	Front: 29'7" • F&R: 30'6"
STANDARD BOX OVERALL HEIGHT	101"	101"	101"
FRONT UNLOAD BOX CAPACITY	1123 cu. ft.	1228 cu. ft.	1333 cu. ft.
FRONT & REAR UNLOAD BOX CAPACITY	1143 cu. ft.	1248 cu. ft.	1353 cu. ft.
WEIGHT - FRONT UNLOAD BOX	8420#	8880#	9340#
WEIGHT - FRONT & REAR UNLOAD BOX	8620#	9080#	9540#
APRON CHAIN - FRONT UNLOAD BOX	667XH - STANDARD		
APRON CHAIN - FRONT & REAR UNLOAD BOX	667XH - STANDARD		
CROSS FEED - HD 7+4	22" WIDE - CA550 CHAIN WITH WELDED SLATS • RIGHT OR LEFT HAND DISCHARGE		
UNLOADING BEATERS	3 - 18" - 4 BAR SPIRAL • EVEN FEED		
FRONT DRIVE SEQUENCE	LARGE GEAR BOX WITH TAPERED BEARINGS & BRONZE WORM GEAR #100 ROLLER CHAIN • 1 3/4" MAIN APRON DRIVE SHAFT		
EMERGENCY STOP CLUTCH	STANDARD		
REAR UNLOAD DRIVE	HYDRAULIC		
REAR UNLOAD SPEED	UNLOAD TIME IS DEPENDENT ON TRACTOR R.P.M., HYDRAULIC PRESSURE AND G.P.M.		
REAR ENDGATE	AUTOMATIC LOCK AND UNLOCK		
ROOF	OPTIONAL	OPTIONAL	OPTIONAL
REAR GATE DELAY	OPTIONAL	OPTIONAL	OPTIONAL

# SUPER DUTY

## PTO DRIVE SYSTEM



## HYDRAULIC DRIVE SYSTEM



**“SUPER DUTY” Forage Boxes**  
Available w/PTO Drive, Hydraulic Drive,  
or Electric-Over-Hydraulic Cab Controls

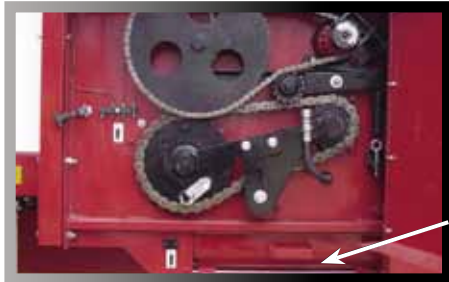


### PTO & Hydraulic Drive Model Features Include:

- ~ Variable Speed Pulley Driven w/Keys
- ~ 10" Diameter Drive Pulley
- ~ 12" Bunk Spring Assist Bunk Extension

### Additional Features on all Super Duty Models:

- ~ Stronger Main Gearbox w/Large Bearings
- ~ Spring Loaded Tighteners on Beaters
- ~ 1 3/4" Stressproof Front Drive Shaft
- ~ 1 3/4" Stressproof Rear Drive Shaft (Front & Rear Unload Models)
- ~ Heavier Drive Chains
- ~ Quick Release Cross Conveyor
- ~ Clean Out Pan



## Electric-Over-Hydraulic Drive System



## Electric-Over-Hydraulic Control Box



### -NO BELTS OR PULLEYS-

The Electric-Over-Hydraulic “Super Duty” Features Hydraulic Valves with a Variable Speed High/Low Main Apron Unload System and Control Box.

The Electric-Over-Hydraulic Models have a 24" Hydraulic Extend/Retract Extension.



# HDNR POWER BOX – REAR UNLOAD



Available in 18' or 20' lengths, the power box utilizes a two-hose hydraulic system to run the main apron. The hydraulic hoses are easily stored in the holder at the front of the box.



The power box features a chain reduction system instead of a worm gearbox for better efficiency.



All HDNR Power Boxes feature Cross Z-iron. Cross Z's are welded to the side channels in-line with stakes for added strength.

## SPECIFICATIONS

### HDNR POWER BOX – REAR UNLOAD

MODEL - FLOOR/LOAD LENGTH →	18'	20'
INSIDE WIDTH	7'4"	7'4"
OVERALL LENGTH	19'6"	21'6"
OVERALL WIDTH	104"	104"
STANDARD BOX OVERALL HEIGHT	101"	101"
STANDARD BOX CAPACITY STUCK LEVEL	950 cu. ft.	1056 cu. ft.
WEIGHT - STANDARD BOX	6650#	7110#
MAIN APRON CHAIN	667H PINTLE CHAIN IS STANDARD, T-ROD, 667X OR 667XH PINTLE CHAIN ARE OPTIONAL	
MAIN APRON DRIVE	CHOICE OF HYDRAULIC DRIVE OR P.T.O. DRIVE	
UNLOAD SPEED	UNLOAD TIME IS DEPENDENT ON TRACTOR R.P.M., HYDRAULIC PRESSURE AND G.P.M.	
REAR ENDGATE	AUTOMATIC LOCK AND UNLOCK	
ROOF	OPTIONAL	OPTIONAL
REAR GATE DELAY	OPTIONAL	OPTIONAL

H & S RECOMMENDS 4 WHEEL GEARS FOR USE UNDER POWER BOXES.

# HDNR & SUPER DUTY - OPTIONS



Aluminized front & rear unload industrial box with optional grain hopper, front enclosure and fold down extension.



An optional 12" folding cross conveyor extension can be ordered on the HDNR 7+4.



An optional grain hopper gravity unload for small grains is available for wide body boxes with a top hinged gate.



The optional front-to-rear electric roll tarp is a nice feature to keep that valuable forage from blowing out during transport.



Shown with the optional heavy-duty side-to-side electric roll tarp.

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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Models and specifications are to change without prior notice.

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