

PS

ProSpread®

Apron Box Spreaders



500 - 600 Heaped Cubic Feet



WORLD - WIDE LEADER IN MANURE SPREADERS



ProSpread® Box Spreaders PS150 and 160

NEW PS SERIES MODELS

The PS 150 and 160 set the new standard for reliability and spreading performance to meet the changing needs of livestock producers. The durable, all-welded construction and solid poly floor of previous ProSpread® models remain, but the new, simple, protected center driveline improves dependability and reduces maintenance. The toughest solid materials from dairy and feedlot operations can be spread quickly and evenly with the hydraulically controlled, variable-speed apron. Optional VertiSpread® vertical beaters provide a consistent, wide spread pattern and superior material breakup to help maximize the value of manure nutrients.



Vertical Beater

The overlapping beaters, adjustable and replaceable beater teeth, and spinner pan with free-swinging replaceable paddles provide a consistent, 25-30 foot spread pattern when spreading even the toughest dairy and feedlot material.

DOUBLE APRON CHAIN



Durable, Quality Construction

- The all-steel welded construction provides a solid framework, which includes a rigid A-frame, to keep the sides and beater panels aligned for strong box integrity.
- The high-density, two-piece, solid poly floor eliminates corrosion concerns and reduces friction and horsepower requirements to provide long life.
- The parallel-shaft apron gearbox is designed for heavy-duty use and is stronger, more efficient, requires less power and generates less heat than worm-drive gearboxes.
- The lower side and frame overlap provides added strength and double protection against rust through.
- The greaseable overrunning clutch allows for easy PTO hookup and prevents beater backlash force when the PTO is disengaged. This prevents stress on the entire driveline of the spreader.



Variable-Speed Hydraulic Apron Drive

The hydraulic drive minimizes moving parts and allows independent operation of beaters and apron. The variable speed allows controlled and even spreading of many different types of solid material.



Removable Beater Assembly

Horizontal or vertical beaters can be easily removed and installed to save wear and tear on the beaters when stockpiling, providing versatility for your operation.



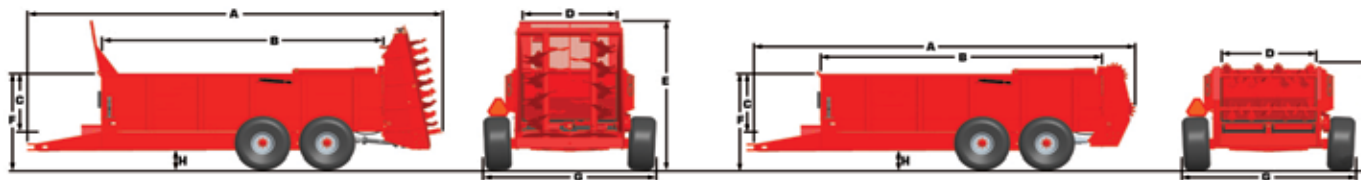
Center Driveline

This simple design requires less maintenance by eliminating extra chains and sprockets that are necessary with a side-mounted driveline. The driveline is located underneath the unit, virtually eliminating the possibility of damage.

Key Features!

MODEL SPECIFICATIONS

Visit your dealer or our Web site at
www.KuhnNorthAmerica.com for information
on all Kuhn Knight products.



MODEL	PS 150		PS 160	
DIMENSIONS (INCHES)	HORIZONTAL BEATER	VERTICAL BEATER	HORIZONTAL BEATER	VERTICAL BEATER
A - Overall Length	289	310	326	347
B - Inside Box Length	210		238	
C - Inside Box Depth	37		43	
D - Inside Box Width	72			
E - Overall Height ¹				
- Tire Option Used	19 x 16		22 x 16	
- Top of Beaters	81	111	83	112
- Top of Hydraulic End Gate	77		85	
- Front Extension / Cab Shield	na	113	na	121
F - Loading Height ¹	72		80	
G - Overall Tread Width ¹	130			
H - Ground Clearance ¹	15		16	

SPECIFICATIONS

Unit Weight - pounds ²	7160	8930	9500	10,230
Maximum Net Load - pounds	33,000		38,000	
Capacity				
Cubic Feet - struck level ³	335		435	
Cubic Feet - heaped ³	500		600	
Beaters				
Number Standard	2			
Replaceable Paddles or Teeth	horizontal - 14 paddles / vertical - 32 teeth			
Diameter	horizontal - 20" / vertical - 37 1/2"			
Lower Spinner	horizontal - optional / vertical - na			
Speed - all beaters - RPM	horizontal - 463 / vertical - 420			
Paddle / Flighting Thickness	3/8"			
Overload Protection	horizontal - shear-bolt / vertical - torque-disconnect			
Removable Beater Assembly	standard			
Beater PTO Drive				
RPM	540 / 1000	1000		
Roller Chain	horizontal - 80 / vertical - enclosed gearbox			
Apron				
Number	2			
Shaft Diameter	2			
Sprockets	6 tooth			
Chain	pintle (667 XH or 667X)		pintle (667 XH or 667X)	
Slat Size	1/4" x 1 1/2" x 2"			
Slats per Apron	24		27	
Drive	hydraulic			
Gearbox	parallel shaft			
Box and Trailer Construction				
Front Panel and Sides	10 GA.			
Floor	5/8" poly			
End Gate	standard swinging			
Trailer Axle	standard		standard td or high frequency flotation	
Spindles - tandem axle	3		3 3/8"	
Hubs	8-bolt		10-bolt	
Tongue Weight - % of gross weight	15%	17%	15%	
Tractor Requirement - PTO HP ⁴	120	140	140	160

¹ Lengths and widths will vary depending on tire size listed.

² Units equipped with most common options.

³ Capacities determined by ASAE Standard S324.1.

⁴ Horsepower requirement may vary with different materials. Consult operator's manual for proper tractor sizing.

We reserve the right to change any equipment specifications, design, or materials without notice. These spreaders are designed for agricultural use only with materials estimated up to 65 lbs. per cubic foot. Contact factory for non-agricultural use or heavier materials. US and foreign patents filed.



SAFETY
FIRST

Always read and understand the Operator's Manual and all Safety Decals before using the equipment.

YOUR KUHN KNIGHT DEALER

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