

# 5100

## Vertical Maxx®

Single-Auger TMR Mixers



270 – 480 Cubic Feet



WORLD-WIDE LEADER IN TMR MIXERS





# Vertical Maxx® Mixers

## 5127 - 5143

### 5100 SERIES MODELS

The 5127, 5135 and 5143 are single-auger vertical mixers designed for small cow/calf, backgrounder and dairy operations that process and mix high percentages of hay. These smaller-capacity mixers can process up to 100% hay to get more roughage in the ration. The Vertical Maxx vertical mixers can mix a wide variety of feedstuffs, including round bales, large square bales and baleage. These machines feature one free-standing mixing auger, a simple planetary drive system, right-side discharge and narrow tread width. The single-auger Vertical Maxx will provide excellent mixing and processing performance at a price you can afford.



#### Replaceable Hay-Cutting Knives

Several types of two-position hay-cutting knives are available for different applications and may be set out to improve processing or set in to reduce horsepower.



### SINGLE-AUGER DESIGN



#### Quick and efficient hay processing

- The free-standing, single-auger design allows for quick and efficient hay processing as well as fast, thorough cleanout.
- Three adjustable high/low position hay stops provide multiple settings for use in high hay rations for faster and thorough hay processing.
- The hay-retention ring allows the mixer to run faster during processing and significantly reduces hay spillage.
- The non-CV shear-bolt protected PTO drive protects the mixer drive from shock when processing hay and other heavy loads.
- The right-side discharge is more convenient to view the conveyor while using the tractor controls while the door arm linkage allows for a larger discharge door opening.



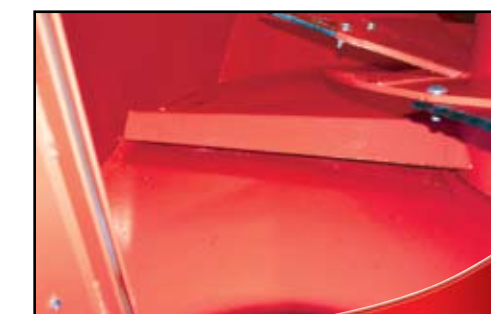
#### Large Right-side Door

The tall door height allows for superior feed flow and less binding in high hay rations, especially when discharging 100% dry, grassy, round-bale hay.



#### Planetary Drive System

The quiet, planetary drive has very few moving parts and is specifically designed to meet the most difficult mixing conditions.

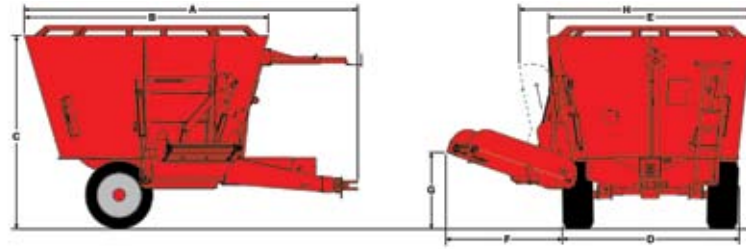


#### Auger Discharge Kickers

A special secondary discharge kicker on the auger helps provide a more uniform discharge rate and decreases unloading time.

# MODEL SPECIFICATIONS

Visit your dealer or our Web site at  
[www.kuhnnorthamerica.com](http://www.kuhnnorthamerica.com) for information on all  
 Kuhn Knight products.



MODEL	5121	5135	5143
DIMENSIONS (INCHES)	TR	TR	TR
A - Overall Length	164	174	178
B - Mixing Chamber Length	120	140	148
C - Overall Height <sup>1</sup>			
- Tire Option Used <sup>2</sup>	30x11.5x14.5 / 33x15.5x16.5	30x11.5x14.5 / 33x15.5x16.5	30x11.5x14.5 / 33x15.5x16.5
- No Extensions (high / low axle position)	91 / 95	101 / 105	113 / 117
- Extensions (high / low axle position)	97 / 101	107 / 111	118 / 122
D - Tread Width <sup>1</sup>	82 / 88	82 / 88	82 / 88
E - Overall Width - (mixer only)	100	100	100
F - Slide Tray - maximum reach	25	25	25
- Conveyor - maximum - 2' chute	36	36	36
- Conveyor - maximum - 3' chute	44	44	44
- Conveyor - maximum - 4' chute	55	55	55
- Conveyor - maximum - 5' chute	62	62	62
G - Slide Tray - maximum height	14	14	14
- Conveyor - maximum height - 2' chute	38	38	38
- Conveyor - maximum height - 3' chute	43	43	43
- Conveyor - maximum height - 4' chute	48	48	48
- Conveyor - maximum height - 5' chute	53	53	53
H - Slide Tray - transport width	119	119	119
- Conveyor - transport width - 2' chute	115	115	115
- Conveyor - transport width - 3' chute	118	118	118
- Conveyor - transport width - 4' chute	121	121	121
- Conveyor - transport width - 5' chute	124	124	124
SPECIFICATIONS			
Unit Weight <sup>3</sup> - trailer (pounds)	5100	5700	6180
Maximum Net Load (pounds)	6750	8750	10,750
Cubic Foot Mixing Capacity <sup>4</sup>			
w/o extensions	270	350	430
w/ extensions	310	400	480
Augers			
Number	1	1	1
Diameter	86"	86"	86"
RPM	36	36	36
Upper Flighting Thickness	1/2"	1/2"	1/2"
Lower Flighting Thickness	5/8"	5/8"	5/8"
Knives - adjustable	3	4	5
Drive			
Planetary	yes	yes	yes
PTO Drive	540	540	540
Protection	shear-bolt	shear-bolt	shear-bolt
Tub and Trailer Construction			
Floor Thickness	1/2"	1/2"	1/2"
Sidewall Thickness	3/16"	3/16"	3/16"
Door Opening	36" x 39"	36" x 39"	36" x 39"
Trailer	single-axle	single-axle	single-axle
Scale System	3-point	3-point	3-point
Spindle Diameter	2 7/8"	2 7/8"	2 7/8"
Tongue Weight - % of gross weight	15%	15%	15%
Tractor Requirement - PTO HP <sup>5</sup>	50	75	90

<sup>1</sup> Heights and widths will vary depending on tire size.

<sup>2</sup> The larger tire size must be used in the low axle position only.

<sup>3</sup> Units equipped with most common options.

<sup>4</sup> Model number reflects capacity without extensions.

<sup>5</sup> PTO horsepower may vary with different materials.

Consult operators manual for proper tractor sizing.

We reserve the right to change any equipment specifications, design, or materials without notice. These mixers are designed for agricultural use only with materials estimated up to 25 lbs. per cubic foot. Contact factory for non-agricultural use or heavier materials. Equipment shown in this literature may be protected by at least one patent and/or trademark.



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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