



FEEDING SOLUTIONS

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# OPTIMIZE FEEDING

Profit margins are usually tight for cattle producers. They're even tighter if you're not maximizing your herd's time at the bunk with maximum nutrition and minimal feed waste. A combination of attention to your cattle feed ingredients and how you're distributing them to your herd can make a major difference in overall feed costs when compared to free-choice feeding, which is typically the greatest expense for most cattle producers. A vertical feed mixer may be part of the feed cost equation for your operation. Here are three reasons why it might be something to consider.

**1 Help prevent costly feed waste.**

Feeding data shows up to 9 lb (4.1 kg) of feed is wasted per animal each day when free-choice feeding\*. That cost can add up quickly, even when feeding part of the year and grazing during the spring and summer.

**2 Help improve ration quality with various feedstuffs.**

Transitioning from free-choice hay feeding to an optimized mixed ration or a complete ration can allow producers the option to feed with lower-cost feedstuffs and optimize rations based on feed availability and nutritional needs.

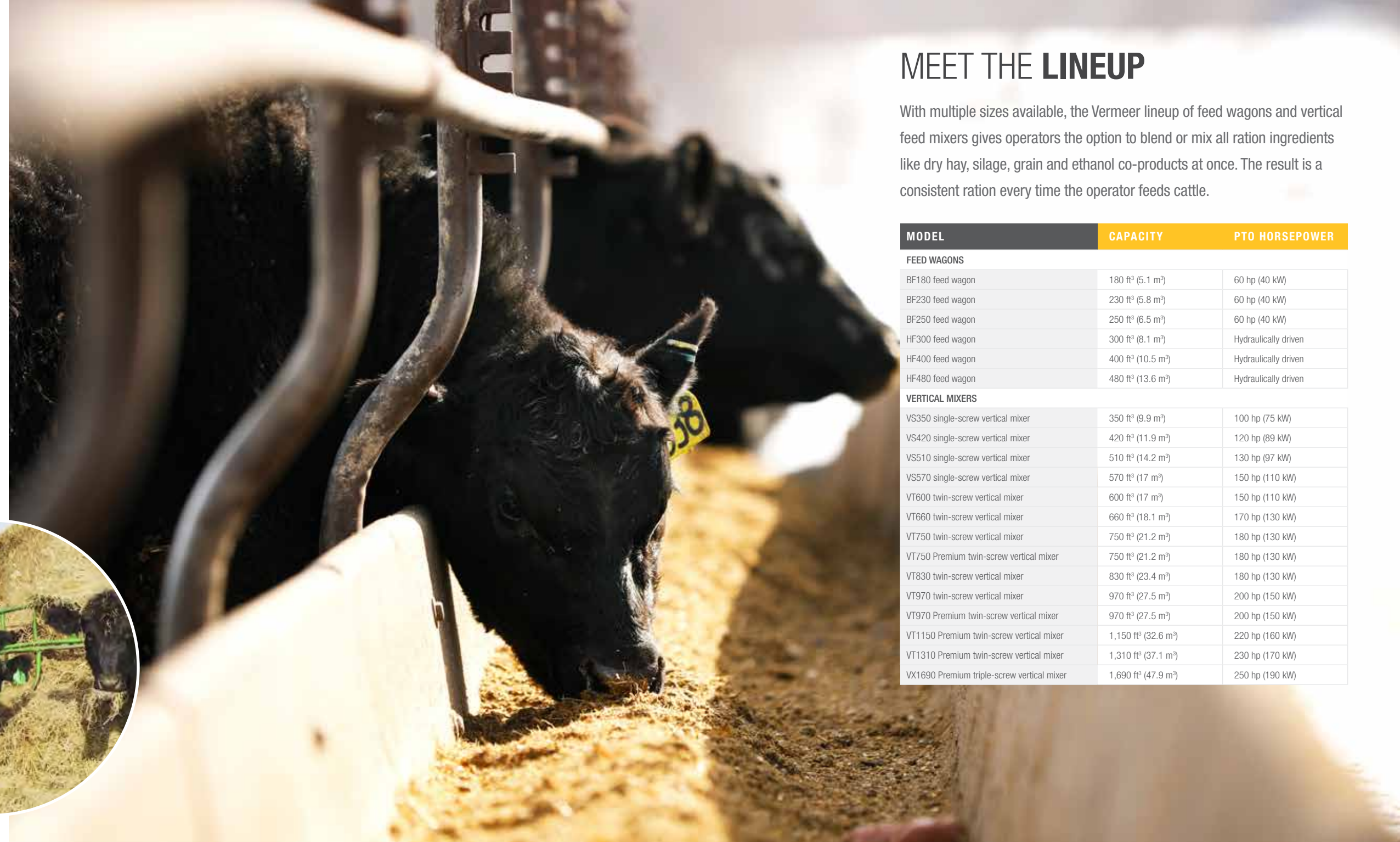
**3 Deliver a consistent ration each day.**

One component of delivering an optimal total mixed ration — a process that today often involves a nutritionist on many operations — is using equipment that processes, prepares and delivers the right mixture of roughage, protein and energy without increasing labor requirements.

# IT JUST *MAKES CENTS*

“With what we overfeed by free-feeding and what's wasted in a traditional scenario, we're talking about an additional cost just shy of \$130 per cow for the 150-day feeding period,” Tyler Long, Purina nutritionist, said. “If we apply that to harvested forage acres, we're wasting about 1/5 of an acre if free-choice feeding versus meter feeding over 150 days. Add up other waste from free feeding — like when cows pull hay out of a ring, drop it and step on it — and it equates to just under half an acre per cow from waste and overfeeding. Sure, it's only half an acre, but if you have 100 cows standing around, you have 50 acres worth of production standing around idle, doing nothing.”

\*Tyler Long, Purina Animal Nutrition



# MEET THE LINEUP

With multiple sizes available, the Vermeer lineup of feed wagons and vertical feed mixers gives operators the option to blend or mix all ration ingredients like dry hay, silage, grain and ethanol co-products at once. The result is a consistent ration every time the operator feeds cattle.

MODEL	CAPACITY	PTO HORSEPOWER
<b>FEED WAGONS</b>		
BF180 feed wagon	180 ft <sup>3</sup> (5.1 m <sup>3</sup> )	60 hp (40 kW)
BF230 feed wagon	230 ft <sup>3</sup> (5.8 m <sup>3</sup> )	60 hp (40 kW)
BF250 feed wagon	250 ft <sup>3</sup> (6.5 m <sup>3</sup> )	60 hp (40 kW)
HF300 feed wagon	300 ft <sup>3</sup> (8.1 m <sup>3</sup> )	Hydraulically driven
HF400 feed wagon	400 ft <sup>3</sup> (10.5 m <sup>3</sup> )	Hydraulically driven
HF480 feed wagon	480 ft <sup>3</sup> (13.6 m <sup>3</sup> )	Hydraulically driven
<b>VERTICAL MIXERS</b>		
VS350 single-screw vertical mixer	350 ft <sup>3</sup> (9.9 m <sup>3</sup> )	100 hp (75 kW)
VS420 single-screw vertical mixer	420 ft <sup>3</sup> (11.9 m <sup>3</sup> )	120 hp (89 kW)
VS510 single-screw vertical mixer	510 ft <sup>3</sup> (14.2 m <sup>3</sup> )	130 hp (97 kW)
VS570 single-screw vertical mixer	570 ft <sup>3</sup> (17 m <sup>3</sup> )	150 hp (110 kW)
VT600 twin-screw vertical mixer	600 ft <sup>3</sup> (17 m <sup>3</sup> )	150 hp (110 kW)
VT660 twin-screw vertical mixer	660 ft <sup>3</sup> (18.1 m <sup>3</sup> )	170 hp (130 kW)
VT750 twin-screw vertical mixer	750 ft <sup>3</sup> (21.2 m <sup>3</sup> )	180 hp (130 kW)
VT750 Premium twin-screw vertical mixer	750 ft <sup>3</sup> (21.2 m <sup>3</sup> )	180 hp (130 kW)
VT830 twin-screw vertical mixer	830 ft <sup>3</sup> (23.4 m <sup>3</sup> )	180 hp (130 kW)
VT970 twin-screw vertical mixer	970 ft <sup>3</sup> (27.5 m <sup>3</sup> )	200 hp (150 kW)
VT970 Premium twin-screw vertical mixer	970 ft <sup>3</sup> (27.5 m <sup>3</sup> )	200 hp (150 kW)
VT1150 Premium twin-screw vertical mixer	1,150 ft <sup>3</sup> (32.6 m <sup>3</sup> )	220 hp (160 kW)
VT1310 Premium twin-screw vertical mixer	1,310 ft <sup>3</sup> (37.1 m <sup>3</sup> )	230 hp (170 kW)
VX1690 Premium triple-screw vertical mixer	1,690 ft <sup>3</sup> (47.9 m <sup>3</sup> )	250 hp (190 kW)



## FEED WAGONS

Vermeer feed wagons say simplicity and flexibility. A strategic design makes these feed wagons a good fit for operators looking for a wagon that is efficient to use and maintain. These machines are an economical option that still allow the flexibility to blend rations with various ingredients and effectively distribute a consistent ration.

### BF-SERIES FEED WAGONS FOR DIETS WITH UP TO 20% ROUGHAGE

With two options for discharge, these machines are versatile for multiple operations. Operators can choose a conveyor if they are feeding up to 20% roughage, or an auger if the operation is feeding mostly silage, grains and supplements.

### HF-SERIES FEED WAGONS FOR HIGH-ROUGHAGE DIETS

These models allow operators to feed pre-cut forages, byproducts, silage and grains. When layered evenly into the box, feed ingredients are agitated as they progress through the beaters and will tumble down into the high-output discharge conveyor — achieving a certain amount of blending of feedstuffs.

- 1 Vermeer feed wagons allow the ability to feed various feedstuffs including high-roughage diets (HF-series feed wagons) to help extend your hay supply by supplementing other feedstuffs. For operations not ready to step into a vertical mixer, this option gives them the ability to effectively distribute a ration with multiple ingredients.

- 2 Strategic design and low horsepower requirements (BF-series feed wagons) or a hydraulic drive (HF-series feed wagons) make this a good fit for operators looking for a wagon that is efficient to use and maintain.

- 3 A steel floor (BF-series feed wagons) or poly floor (HF-series feed wagons) plus heavy-duty floor chain help with durability and long-lasting performance.



- 4 Achieve defined targets when feeding between multiple pens with an optional 3-point scale (standard on HF480).

- 5 When loading these machines, load in horizontal layers. This allows for even distribution as feedstuffs blend during discharge and distribution.



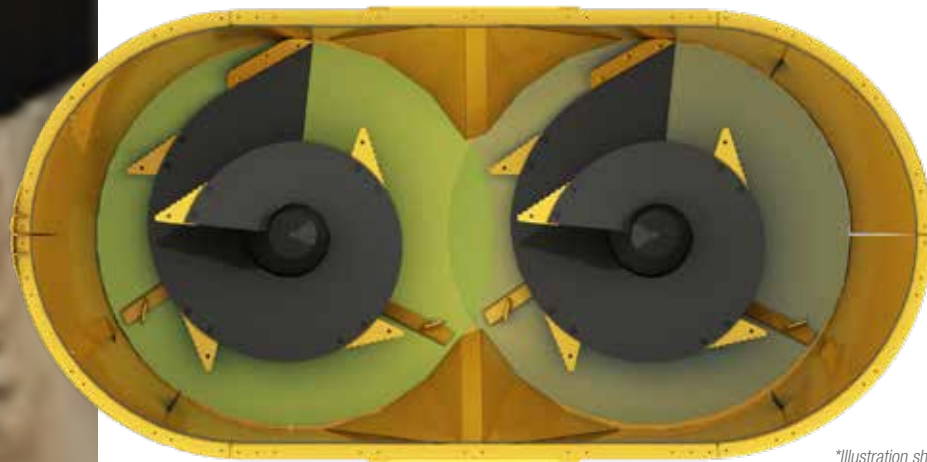
## VERTICAL MIXERS

Vermeer vertical mixers are built to enhance feeding routines for producers looking to optimize ration costs and help reduce feed waste. These mixers create a consistent and thorough ration with a variety of feedstuffs due to a proven mixer tub and screw design. Available in a range of capacities, these vertical mixers can handle a wide assortment of feedstuffs.

**1** Vermeer mixers feature a 4-point scale (VX1690 Premium triple-screw vertical mixer features an 8-point scale) that helps improve accuracy, compared to a 3-point scale. The scale helps operators optimize rations and achieve more defined targets when feeding in multiple pens. Plus, scales are equipped with Bluetooth connectivity, so operators can view weight from their smart device.



**2** These machines are a testament to logical, practical engineering. Overlapping screws and offset baffles on the tub wall on twin- and triple-screw mixers help to achieve a consistent, thorough mix. Instead of feedstuffs remaining in either the front or the back of the tub, the construction of the tub and screws encourages the material to travel between the screws in a clockwise motion.



*\*Illustration shown.*



**3** Built with abrasion-resistant, heat-treated AR200 steel, the screw is designed for strength, versatility and longevity. Plus, two bi-pulse legs and the leading edge of the screw work together as three points of contact with the tub floor help to maximize cleanout and distribution of feedstuffs into the bunk.



**4** Premium models feature a standard remote display, thicker sidewalls, tub floor and screw flighting. This trim level is only available on select models.

**6** Mix on the move with Vermeer vertical mixers. Constant-velocity PTO on select models allows operators to mix their load while traveling down the road or between pens on their farm or ranch.

**5** Durability and reliability are key components of Vermeer mixers. That's why they're built with heavy-duty, abrasion-resistant AR200 steel on the screw and tub walls\*, which tested at more than twice as hard as regular steel.<sup>1</sup>

\*VS350 single-screw vertical mixer and VT660 twin-screw vertical mixer use AR200 steel on the screw only and regular structural steel on the tub floor and walls.  
<sup>1</sup>According to Vermeer metallurgy lab tests, AR200 steel tested at a hardness of 188 HRB compared to A36 (regular steel) which tested at a hardness of 72 HRB.

SPECIFICATION	BF180 FEED WAGON	BF230 FEED WAGON	BF250 FEED WAGON	HF300 FEED WAGON	HF400 FEED WAGON	HF480 FEED WAGON
<b>DIMENSIONS AND WEIGHTS</b>						
Machine weight	2,760 lb (1,250 kg)	3,104 lb (1,408 kg)	3,400 lb (1,540 kg)	4,400 lb (2,000 kg)	5,560 lb (2,520 kg)	6,300 lb (2,900 kg)
Transport width	98 in (250 cm)	98 in (250 cm)	110 in (280 cm)	95 in (240 cm)	95 in (240 cm)	115 in (292 cm)
Working width	108 in (274 cm)	108 in (274 cm)	120 in (305 cm)	135 in (343 cm)	135 in (343 cm)	149 in (378 cm)
Total height	84 in (210 cm)	84 in (210 cm)	84 in (210 cm)	101 in (257 cm)	102 in (259 cm)	102 in (259 cm)
Loading height	70 in (180 cm)	70 in (180 cm)	70 in (180 cm)	91 in (230 cm)	96 in (240 cm)	96 in (240 cm)
Tires	295/75R-22.5	295/75R-22.5	295/75R-22.5	295/75R-22.5	425/65R-22.5	425/65R-22.5
<b>BOX</b>						
Capacity	180 ft <sup>3</sup> (5.1 m <sup>3</sup> )	230 ft <sup>3</sup> (6.5 m <sup>3</sup> )	250 ft <sup>3</sup> (7.1 m <sup>3</sup> )	300 ft <sup>3</sup> (8.5 m <sup>3</sup> )	400 ft <sup>3</sup> (11.3 m <sup>3</sup> )	480 ft <sup>3</sup> (13.6 m <sup>3</sup> )
Inside box length	132 in (335 cm)	162 in (411 cm)	162 in (411 cm)	147 in (373 cm)	177 in (450 cm)	177 in (450 cm)
Inside box width - below flare	54 in (140 cm)	54 in (140 cm)	60 in (150 cm)	60 in (150 cm)	60 in (150 cm)	72 in (180 cm)
Inside box width - above flare	60 in (150 cm)	60 in (150 cm)	66 in (170 cm)	NA	NA	NA
Floor material	Steel	Steel	Steel	Poly	Poly	Poly
<b>DISCHARGE SYSTEM</b>						
Discharge style	Conveyor or auger	Conveyor or auger	Conveyor or auger	Conveyor	Conveyor	Conveyor
Discharge direction	Left	Left	Left	Left	Left	Left
Conveyer length	82 in (210 cm)	82 in (210 cm)	94 in (240 cm)	NA	NA	NA
Fold-up conveyer extension length	NA	NA	NA	44 in (110 cm)	44 in (110 cm)	44 in (110 cm)
Auger length	80.5 in (204 cm)	80.5 in (204 cm)	94 in (240 cm)	NA	NA	NA
<b>TRACTOR REQUIREMENTS</b>						
Recommended PTO horsepower	60 hp (40 kW)	60 hp (40 kW)	60 hp (40 kW)	NA	NA	NA
Hydraulic type	Optional, 1 double-acting	Optional, 1 double-acting	Optional, 1 double-acting	2 double-acting	2 double-acting	2 double-acting
Hydraulic pressure	Optional, 1800 psi (124 bar)	Optional, 1800 psi (124 bar)	Optional, 1800 psi (124 bar)	1,800 psi (12 bar)	1,800 psi (12 bar)	1,800 psi (12 bar)
Hydraulic flow	Optional, 10 gpm (38 L/min)	Optional, 10 gpm (38 L/min)	Optional, 10 gpm (38 L/min)	14 gpm (53 L/min)	14 gpm (53 L/min)	14 gpm (53 L/min)
<b>DRIVE SYSTEM</b>						
Mechanical drive	Standard	Standard	Standard	NA	NA	NA
PTO speed	540 rpm	540 rpm	540 rpm	NA	NA	NA
Hydraulic drive	Optional hydraulic orbit motor	Optional hydraulic orbit motor	Optional hydraulic orbit motor	Standard	Standard	Standard
<b>SCALE SYSTEM</b>						
Scale display	Digi-Star EZ2500V	Digi-Star EZ2500V	Digi-Star EZ2500V	Digi-Star EZ2500V	Digi-Star EZ2500V	Digi-Star EZ2500V
Number of weigh bars	3	3	3	3	3	3
Jack stand weigh bar	Optional	Optional	Optional	Optional	Optional	Optional

SPECIFICATION	VS350 SINGLE-SCREW VERTICAL MIXER	VS420 SINGLE-SCREW VERTICAL MIXER	VS510 SINGLE-SCREW VERTICAL MIXER	VS570 SINGLE-SCREW VERTICAL MIXER
<b>DIMENSIONS AND WEIGHTS</b>				
Loading height	106 in (269 cm)	110 in (280 cm)	120 in (300 cm)	125 in (318 cm)
Machine weight	7,990 lb (3,624 kg)	10,020 lb (4,545 kg)	10,275 lb (4,660 kg)	11,870 lb (5,380 kg)
Maximum net load (lb)	12,000 lb (5,400 kg)	14,000 lb (6,350 kg)	15,000 lb (6,800 kg)	17,000 lb (7,700 kg)
Total length (in)	202 in (513 cm)	211 in (536 cm)	214 in (544 cm)	218 in (554 cm)
Transport width — 50-in folding conveyer extension	111 in (282 cm)	117 in (297 cm)	118 in (300 cm)	121 in (307 cm)
Working width — 50-in folding conveyer extension	130 in (330 cm)	135 in (343 cm)	137 in (348 cm)	140 in (356 cm)
Tires (re-tread)	Standard 255/70R-22.5; Optional 14-17.5 skid steer	Standard 445/50R-22.5; Optional 445/50R-22.5 lug; Optional 255/70R-22.5 dual	Standard 445/50R-22.5; Optional 445/50R-22.5 lug; Optional 255/70R-22.5 dual	Standard 445/50R-22.5; Optional 445/50R-22.5 lug
<b>TUB AND SCREWS</b>				
Capacity	350 ft <sup>3</sup> (9.9 m <sup>3</sup> )	420 ft <sup>3</sup> (11.9 m <sup>3</sup> )	510 ft <sup>3</sup> (14.2 m <sup>3</sup> )	570 ft <sup>3</sup> (17 m <sup>3</sup> )
Number of screws	1	1	1	1
Number of knives per screw	5	6	7	7
Tub wall thickness	1/4 in (6.4 mm)	1/4 in (6.4 mm)	1/4 in (6.4 mm)	1/4 in (6.4 mm)
Tub wall material	Regular structural steel	AR200	AR200	AR200
Floor thickness	1/2 in (12.7 mm)	3/4 in (19.1 mm)	3/4 in (19.1 mm)	3/4 in (19.1 mm)
Screw flighting thickness	1/2 in (12.7 mm)	5/8 in (15.9 mm)	5/8 in (15.9 mm)	5/8 in (15.9 mm)
Screw flighting material	AR200	AR200	AR200	AR200
<b>DISCHARGE SYSTEM</b>				
Discharge style	Front conveyer	Front conveyer	Front conveyer	Front conveyer
Discharge direction	Left or right	Left or right	Left or right	Left or right
Folding conveyer extension length	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)
Bi-directional conveyer length	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)
<b>TRACTOR REQUIREMENTS</b>				
Minimum PTO horsepower	90 hp (70 kW)	100 hp (75 kW)	120 hp (89 kW)	130 hp (97 kW)
Recommended PTO horsepower	100 hp (75 kW)	120 hp (89 kW)	130 hp (97 kW)	150 hp (110 kW)
<b>DRIVE SYSTEM</b>				
Driveline	Standard: 1,000 rpm, CV; Optional: 540 rpm, CV	Standard: 1,000 rpm, CV; Optional: 540 rpm, CV	Standard: 1,000 rpm, CV; Optional: 540 rpm, CV	1,000 rpm, CV
2-speed gearbox	Optional	Optional	Optional	Optional
Torque protection	Shear bolt	Shear bolt	Shear bolt	Shear bolt
Screw rpm	1,000 rpm configuration - 48 (1 speed); 48/32 (2 speed); 540 rpm configuration - 40 (1 speed); 40/27 (2 speed)	39 (1 speed); 39/26 (2 speed)	39 (1 speed); 39/26 (2 speed)	39 (1 speed); 39/26 (2 speed)
<b>SCALE SYSTEM</b>				
Scale display	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT
Number of weigh bars	4	4	4	4
Bluetooth connectivity	Standard	Standard	Standard	Standard

SPECIFICATION	VT600 TWIN-SCREW VERTICAL MIXER	VT660 TWIN-SCREW VERTICAL MIXER	VT750 TWIN-SCREW VERTICAL MIXER	VT750 PREMIUM TWIN-SCREW VERTICAL MIXER	VT830 TWIN-SCREW VERTICAL MIXER
<b>DIMENSIONS AND WEIGHTS</b>					
Loading height	109 in (277 cm)	105 in (267 cm)	123 in (312 cm)	123 in (312 cm)	116 in (295 cm)
Machine weight	13,780 lb (6,250 kg)	13,625 lb (6,180 kg)	15,580 lb (7,067 kg)	17,535 lb (7,950 kg)	16,240 lb (7,370 kg)
Maximum net load (lb)	19,000 lb (8,600 kg)	18,000 lb (8,160 kg)	21,000 lb (9,530 kg)	21,000 lb (9,530 kg)	21,000 lb (9,530 kg)
Total length (in)	273 in (693 cm)	285 in (724 cm)	277 in (704 cm)	277 in (704 cm)	298 in (757 cm)
Transport width — 50-in folding conveyor extension	113 in (287 cm)	113 in (287 cm)	113 in (287 cm)	113 in (287 cm)	117 in (297 cm)
Working width — 50-in folding conveyor extension	130 in (330 cm)	130 in (330 cm)	130 in (330 cm)	130 in (330 cm)	135 in (343 cm)
Tires (re-tread)	Standard 425/65R-22.5; Optional 255/70R-22.5 dual	Standard 445/50R-22.5; Optional 445/50R-22.5 lug	Standard 425/65R-22.5; Optional 255/70R-22.5 dual	Standard 425/65R-22.5 dual; Optional 425/65R-22.5	Standard 425/65R-22.5; Optional 255/70R-22.5 dual
<b>TUB AND SCREWS</b>					
Capacity	600 ft³ (17 m³)	660 ft³ (18.1 m³)	750 ft³ (21.2 m³)	750 ft³ (21.2 m³)	830 ft³ (23.4 m³)
Number of screws	2	2	2	2	2
Number of knives per screw	5	5	9	9	6
Tub wall thickness	1/4 in (6.4 mm)	1/4 in (6.4 mm)	1/4 in (6.4 mm)	3/8 in (9.5 mm)	1/4 in (6.4 mm)
Tub wall material	AR200	Regular structural steel	AR200	AR200	AR200
Floor thickness	3/4 in (19.1 mm)	5/8 in (15.9 mm)	3/4 in (19.1 mm)	1 in (2.5 cm)	3/4 in (19.1 mm)
Screw flighting thickness	5/8 in (15.9 mm)	1/2 in (12.7 mm)	5/8 in (15.9 mm)	3/4 in (19.1 mm)	5/8 in (15.9 mm)
Screw flighting material	AR200	AR200	AR200	AR200	AR200
<b>DISCHARGE SYSTEM</b>					
Discharge style	Front conveyor	Front conveyor	Front conveyor	Front conveyor	Front conveyor
Discharge direction	Left or right	Left or right	Left or right	Left or right	Left or right
Folding conveyor extension length	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)
Bi-directional conveyor length	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)
Rear discharge door	Optional	NA	Optional	Optional	Optional
<b>TRACTOR REQUIREMENTS</b>					
Minimum PTO horsepower	140 hp (100 kW)	150 hp (110 kW)	150 hp (2-speed) (110 kW)	150 hp (2-speed) (110 kW)	150 hp (2-speed) (110 kW)
Recommended PTO horsepower	150 hp (110 kW)	170 hp (130 kW)	180 hp (130 kW)	180 hp (130 kW)	180 hp (130 kW)
<b>DRIVE SYSTEM</b>					
Driveline	1,000 rpm, CV	1,000 rpm, CV	1,000 rpm, CV	1,000 rpm, CV	1,000 rpm, CV
2-speed gearbox	Optional	Standard	Optional	Optional	Optional
Torque protection	Shear bolt	Shear bolt	Shear bolt	Shear bolt	Shear bolt
Screw rpm	39 (1-speed); 39/26 (2 speed)	48/32 (2-speed)	39 (1-speed); 39/26 (2-speed)	39 (1-speed); 39/26 (2-speed)	39 (1-speed); 39/26 (2-speed)
<b>SCALE SYSTEM</b>					
Scale display	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT
Number of weigh bars	4	4	4	4	4
Bluetooth connectivity	Standard	Standard	Standard	Standard	Standard
Remote display	NA	NA	Optional	Standard	NA

SPECIFICATION	VT970 TWIN-SCREW VERTICAL MIXER	VT970 PREMIUM TWIN-SCREW VERTICAL MIXER	VT1150 PREMIUM TWIN-SCREW VERTICAL MIXER	VT1310 PREMIUM TWIN-SCREW VERTICAL MIXER	VX1690 PREMIUM TRIPLE-SCREW VERTICAL MIXER
<b>DIMENSIONS AND WEIGHTS</b>					
Loading height	127 in (323 cm)	127 in (323 cm)	139 in (353 cm)	155 in (394 cm)	143 in (363 cm)
Machine weight	20,165 lb (9,150 kg)	22,880 lb (10,380 kg)	24,800 lb (11,200 kg)	27,000 lb (12,200 kg)	38,750 lb (17,600 kg)
Maximum net load (lb)	25,000 lb (11,300 kg)	25,000 lb (11,300 kg)	30,000 lb (13,600 kg)	37,000 lb (16,780 kg)	45,000 lb (20,400 kg)
Total length (in)	300 in (762 cm)	300 in (762 cm)	303 in (770 cm)	311 in (790 cm)	394 in (1,000 cm)
Transport width — 50-in folding conveyor extension	119 in (302 cm)	119 in (302 cm)	120 in (305 cm)	NA	NA
Transport width — 119-in bi-directional conveyor	119 in (302 cm)	119 in (302 cm)	119 in (302 cm)	119 in (302 cm)	119 in (302 cm)
Working width — 50-in folding conveyor extension	136 in (345 cm)	136 in (345 cm)	138 in (351 cm)	NA	NA
Working width — 119-in bi-directional conveyor	119 in (302 cm)	119 in (302 cm)	119 in (302 cm)	119 in (302 cm)	119 in (302 cm)
Tires (re-tread)	Standard 315/80R-22.5 dual; Optional 445/50R-22.5 tandem	Standard 315/80R-22.5 dual; Optional 445/50R-22.5 tandem	Standard 315/80R-22.5 dual; Optional 255/70R-22.5 dual, tandem; 445/50R-22.5 tandem	315/80R-22.5 dual, tandem steerable	315/80R-22.5 dual, tandem steerable
<b>TUB AND SCREWS</b>					
Capacity	970 ft³ (27.5 m³)	970 ft³ (27.5 m³)	1,150 ft³ (32.6 m³)	1,310 ft³ (37.1 m³)	1,690 ft³ (47.9 m³)
Number of screws	2	2	2	2	3
Number of knives per screw	7	7	11	11	11
Tub wall thickness	1/4 in (6.4 mm)	3/8 in (9.5 mm)	3/8 in (9.5 mm)	3/8 in (9.5 mm)	3/8 in (9.5 mm)
Tub wall material	AR200	AR200	AR200	AR200	AR200
Floor thickness	3/4 in (19.1 mm)	1 in (2.5 cm)	1 in (2.5 cm)	1 in (2.5 cm)	1 in (2.5 cm)
Screw flighting thickness	5/8 in (15.9 mm)	3/4 in (19.1 mm)	3/4 in (19.1 mm)	3/4 in (19.1 mm)	3/4 in (19.1 mm)
Screw flighting material	AR200	AR200	AR200	AR200	AR200
<b>DISCHARGE SYSTEM</b>					
Discharge style	Front conveyor	Front conveyor	Front conveyor	Front conveyor	Front conveyor
Discharge direction	Left or right	Left or right	Left or right	Left or right	Left or right
Folding conveyor extension length	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)	25 in/40 in/50 in (64 cm/100 cm/130 cm)
Bi-directional conveyor length	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)	101 in/110 in/119 in (257 cm/280 cm/302 cm) OR 101 in hydraulic shift (257 cm)
Rear discharge door	Optional	Optional	Optional	Standard	Standard (front discharge), Optional (side discharge)
<b>TRACTOR REQUIREMENTS</b>					
Minimum PTO horsepower	180 hp (2-speed) (130 kW)	180 hp (2-speed) (130 kW)	190 hp (2-speed) (140 kW)	200 hp (2-speed) (150 kW)	230 hp (2-speed) (170 kW)
Recommended PTO horsepower	200 hp (150 kW)	200 hp (150 kW)	220 hp (160 kW)	230 hp (170 kW)	250 hp (190 kW)
<b>DRIVE SYSTEM</b>					
Driveline	1,000 rpm, CV	1,000 rpm, CV	1,000 rpm, CV	1,000 rpm; non-CV	1,000 rpm; non-CV
2-speed gearbox	Optional	Optional	Optional	Standard	Standard
Torque protection	Shear bolt	Shear bolt	Shear bolt	Auto-reset torque-limiting clutch	Auto-reset torque-limiting clutch
Screw rpm	39 (1-speed); 39/26 (2-speed)	39 (1-speed); 39/26 (2-speed)	34 (1-speed); 34/23 (2-speed)	34/19 (2-speed)	34/19 (2-speed)
<b>SCALE SYSTEM</b>					
Scale display	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT	Digi-Star EZ2810-BT
Number of weigh bars	4	4	4	4	8
Bluetooth connectivity	Standard	Standard	Standard	Standard	Standard
Remote display	Optional	Standard	Standard	Standard	Standard



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