



Since 1948

1800N Series Trailer Vertical Mixers

The Most Versatile Mixer Series Yet!

- *Low-profile, narrow Vertical Mixer Trailers—only 87 inches (2.2 m) wide!*
- *High performance screws and patented baffle design promote thorough, consistent, quality mix, regardless of batch size.*
- *Fast discharge with superior cleanout!*
- *Customization includes choice of screws, doors, discharge conveyors, knives, and more.*
- *Manufactured by Patz Corporation, a Wisconsin-based, family-owned company.*

Experience time, labor, fuel, & feed savings!



**THE TRUTH IS
IN THE MIX!**
Ask for a demo.



265



750

Three sizes available!



Single Screw
265 to 330 cu. ft.
(7.5 to 9.3 m³)



Twin Screw
510 to 620 cu. ft.
(14.4 to 17.5 m³)



Triple Screw
750 to 910 cu. ft.
(21.2 to 25.8 m³)

FEEDINGSOLUTIONS

www.patzcorp.com

SEEING IS BELIEVING!

Contact your local
Patz Mixer Dealer for details!

**FLEXIBLE PAYMENT
PLANS AVAILABLE.
ASK FOR DETAILS.**

Your narrow aisle solution!

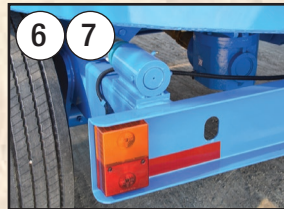
Standard features of the Patz 1800N Series Vertical Mixer.

All units 87 inches (2.2 m) wide!



Vertical Mixer Trailer:

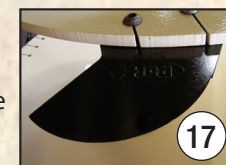
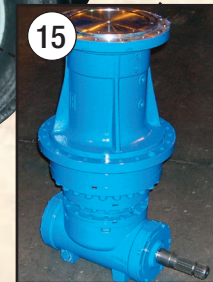
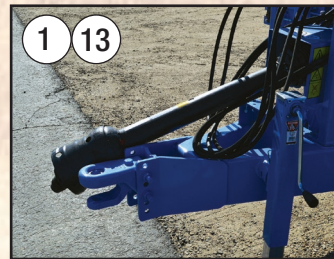
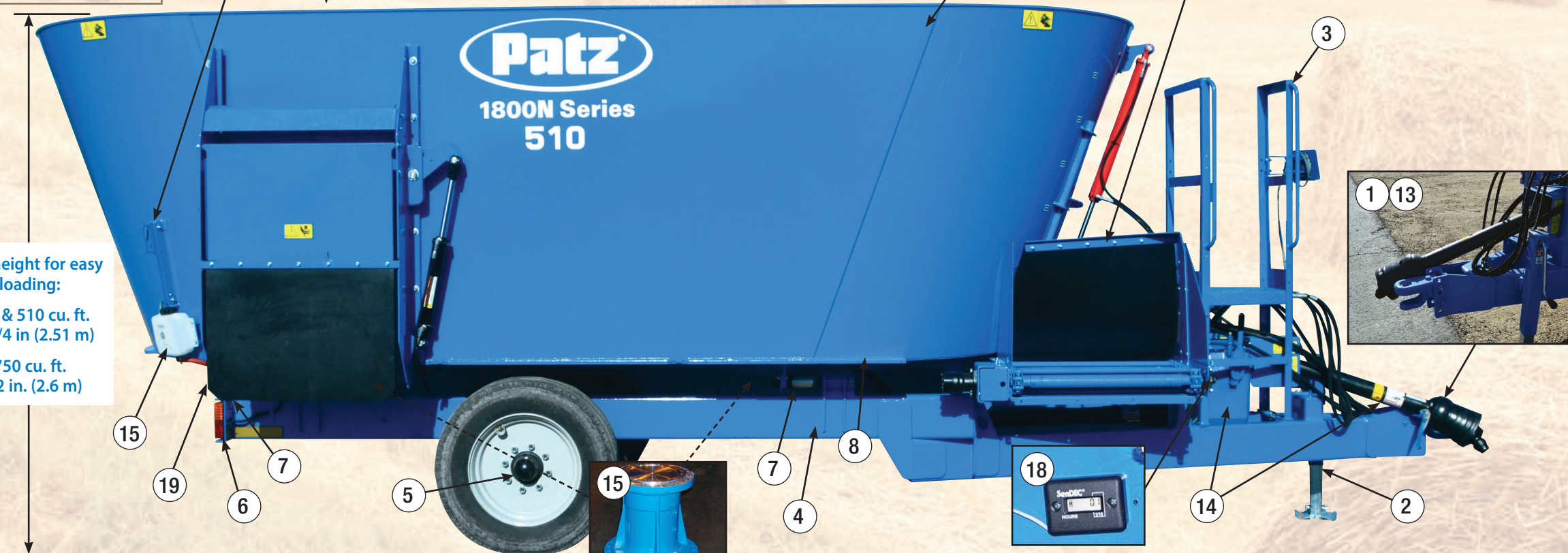
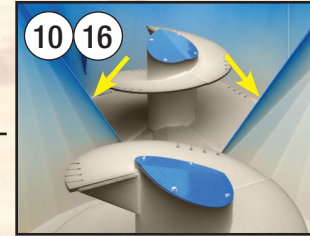
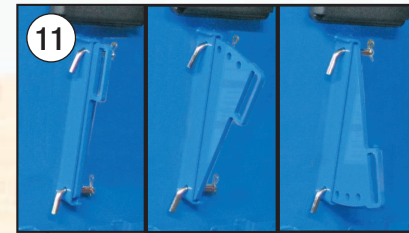
- 1 Perfect Hitch with safety chain converts quickly from clevis to single-tang.
- 2 3 ton swivel mount jack stand stows on rear for transport.
- 3 Safely observe mixing from front viewing platform with right and left access safety ladders.
- 4 Underslung "A" tongue design and 1/2 x 4 x 10 in. (13 x 102 x 254 mm) rectangular steel tube frame provide added load carrying and pivoting strength with minimal turning radius.
- 5 Independent 8-bolt hubs with tubeless truck tires (265), frame-spaced duals (510), or the 8-wheel walking tandem (750), ensure smooth transport over rough terrain.
- 6 Recessed rear taillights with 7-pin connector ensure higher on-road visibility.
- 7 Four-point, 2 1/2 inch (63.5 mm) dianamica generale® load cell mounted tub.
- 8 5/8 inch (16mm) base plate with 1-1/2 in. (38 mm) reinforced planetary sub-floor and 1/2 in. (12.7 mm) welded steel cross-bars provide solid mixing platform structure.



Low height for easy loading:
 265 & 510 cu. ft.
 98 3/4 in (2.51 m)
 750 cu. ft.
 102 in. (2.6 m)

Vertical Mixer Driveline:

- 9 Overlapping 1/4 inch (6.4 mm) welded steel sidewalls for long life.
- 10 Patented baffle design features staggered baffles to quickly and gently direct all ingredients around both screws from end to end for a thorough, consistent TMR. Constructed of 1/4 in. (6.4 mm) steel for durability and long life.
- 11 Adjustable, reversible restrictor plates positioned in front left and right rear tub sidewall pivot in or out to control ingredient flow and particle size.
- 12 Expand capacity and maximize high performance screw with optional steel and/or rubber side extension packages. (750 unit with steel/rubber extensions pictured.)
- 13 Driveline shear bolts provide added protection for individual planetary gearboxes.
- 14 2-Speed, Hi-Lo Stop-and-Shift manual gearbox with Constant Velocity (CV) PTO Joint and automatic cut-out clutch (510, 750 with 1000 RPM); offers low gear when starting under load and gentle mix and high gear for superior cleanout.
- 15 Strong planetary gearboxes, backed by a 5-year prorated planetary gearbox warranty. Grease zerks are easily accessible. Individual planetary oil reservoirs with in-cap dipstick for easy monitoring.



Vertical Mixer Doors and Discharges:

- 16 Mix quickly without compromising feed quality with Patent Pending Multi-Angle or Cone Top design dual-kicker, welded steel screws either 34 in. (864 mm) or 44 in. (1118 mm) high by 86 in. (2185 mm) diameter. Available with 5/8 in. (16 mm) fliting and abrasion resistant leading edge.
- 17 Fine-tune rations with five vertical mixer knife packages, including the Patented Patz RAPTOR®.
- 18 Sensor-activated digital hour meter monitors machine hours for maintenance.
- 19 Choose up to four (265) and six (510, 750) discharge door options. Bolt-on side doors offer magnet enhanced steel chutes with steel deflector shields and rubber flaps. Gravity flow discharge for rail or fence line feeding, or elevate into bunks and troughs with choice of chain conveyors. Optional rear commodity door is a must for pre-mixes.
- 20 Front door discharge with conveyor options will maintain narrow profile and ensure even feed-out. Trailer mounted front cross conveyors include fixed or sliding reversible, fixed left or right hand, and right or left incline for bunks and trough feeding.

Some variations may apply to standard and optional equipment for each unit size. Please refer to specifications page for more information.



1800N Series Vertical Mixer Specifications

The name farmers have entrusted for feeding solutions since 1948!

	U/M	265	510	750			
CAPACITY							
Mixing	ft ³ (m ³)	265 (7.5)	510 (14.4)	750 (21.2)			
With Optional 9 in. (228.6 mm) Rubber Extension	ft ³ (m ³)	315 (8.9)	593 (16.8)	—			
With Optional 9-1/4 in. (235 mm) Steel/Rubber Extension	ft ³ (m ³)	—	—	870 (24.6)			
With Optional 12 in. (304.8 mm) Steel Extension	ft ³ (m ³)	330 (9.3)	620 (17.5)	910 (25.8)			
UNIT							
Empty Wt.	lb (kg)	7,400 (3,363)	13,100 (5,953)	21,000 (9,525)			
Max. Load @ 25lb./cu.ft.	lb (kg)	6,625 (3,005)	12,750 (5,783)	18,750 (8,504)			
Max. Gross Wt.	lb (kg)	14,025 (6,368)	25,850 (11,736)	39,750 (18,029)			
No. of Screws (See Options below)		1	2	3			
Overall Length	in (m)	197 1/2 (5)	284 (7.2)	370 1/2 (9.4)			
Overall Height	in (m)	98 3/4 (2.51)	98 3/4 (2.51)	102 (2.6)			
Overall Width	in (m)	87 (2.2)	87 (2.2)	87 (2.2)			
	in (m)	Each side door adds 9-1/4 (235) to width of mixer.					
Screw Flighting Thickness	in (mm)	5/8 (16)	5/8 (16)	5/8 (16)			
Floor Thickness	in (mm)	1/2 (13)	1/2 (13)	1/2 (13)			
Sidewall Thickness	in (mm)	1/4 (6)	1/4 (6)	1/4 (6)			
Minimum PTO Horsepower*		55 HP	90 HP	145 HP (LO) speed			
Viewing Platform		Access From Right and Left Sides					
Hour Meter		Std.	Std.	Std.			
Scale System		4-Point	4-Point	4-Point			
No. of Tires		2	4	8 (Duals)			
Tire Size		245 70R 19.5 Tubeless Truck Tires					
Operating Speed		540 or 1000	540 or 1000	1000 RPM			
DOOR OPENINGS							
Front/Rear Commodity		Front/Rear	Side	Front/Rear	Side	Front/Rear	Side
Height	in (mm)	26 (660)	39 (991)	26 (660)	39 (991)	30 (762)	39 (991)
Width	in (mm)	42 (1,067)	34 (864)	42 (1,067)	34 (864)	42 (1,067)	34 (864)
Discharge		Various discharge packages available. See Dealer for details.					
Ground Clearance		Varies with discharge selected.					
OPTIONS							
Vertical Mixer Screw (not included in basic unit)		Choose One Type of Screw for your Mixing Needs Multi-Angle or Cone Top					
Dual Kicker							
Max No. of Knives 34 in. (863.6) screw+		5	5 per screw/10 total	5 per screw/15 total			
Max No. of Knives 44 in. (1117.6) screw+		7	7 per screw/14 total	7 per screw/21 total			
2-Speed Drive Pkg.		—	Opt.	Opt.			
Rubber Side Extensions		Opt.	Opt.	—			
Steel/Rubber Side Extensions		—	—	Opt.			
Steel Side Extensions		Opt.	Opt.	Opt.			
Discharge Chute with or without Magnet		Opt.	Opt.	Opt.			
Discharge Conveyor(s)		Various Opt.	Various Opt.	Various Opt.			
Tub Mounted Magnet‡		Opt.	Opt.	Opt.			
Rear Commodity Door		Opt.	Opt.	Opt.			
Indicator Extension Arm		Opt.	Opt.	Opt.			
Wide Selection of Indicators		dinamica generale®, Weigh-Tronix®, & Digi-Star®					
Camera Package		Opt.	Opt.	Opt.			
Battery Mount		Opt.	Opt.	Opt.			
Ladder		Opt.	Opt.	Opt.			

* Minimum PTO horsepower requirements are for continuous run. Starting the mixer under load will require higher PTO horsepower.

‡ Patent Pending.

+ Quantity varies with material in ration and processing time.

PA-27656 Rev. 6/15 ©2015 Patz Corporation Printed in U.S.A.

See 1800N in action!



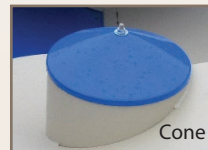
Screw Tops

Choose from multi-angle or cone top screws for your specific mixing needs.



Patent Pending Multi-Angle Top Screw(s)

Recommended for long, fibrous material flow.



Cone Top Screw(s)

Recommended for medium to fine material flow.

Options include:

DIG IN with the RAPTOR™*!



Use with our standard knives to dig in, hook, and cut bales faster and more aggressively!

3 Sizes Available!



PROTECT WHAT MATTERS with a Tub Mounted Magnet*!

Exclusive to Patz!

Encased in stainless steel, this exclusive magnet is mounted into the Patz Vertical Mixer tub wall on a hinged assembly for effective removal of tramp metal from rations.

*Patent Pending

Actual tramp metal removed from magnet.

Proven Performance You Can Count On!



CAUTION: Never operate Patz equipment without all shields and guards in place. **Safety Is No Accident.** Before operating any piece of equipment, be sure to read and understand the operator's manual. This manual should be kept with the machine at all times.

Additionally, make sure all safety shields and devices are functioning properly and are securely in place.

Specifications and prices subject to change without notice.