**Commercial Vehicle Transmission Guide** 

# We make on-time deliveries work.





# **Endurant Series**

The Endurant family of automated transmissions is our newest technology. They were designed from a clean sheet using decades of transmission expertise and tested in the most extreme environments to ensure reliability. Even the name, Endurant, speaks to the ability to handle the rigors of day-in and day-out, heavyduty trucking.

Endurant transmissions are efficient, lightweight, and feature sophisticated controls that allow the transmission and engine to work together seamlessly.

### The Endurant family shares several design features:

- Our legendary twin countershaft design and gear profile expertise deliver the highest gear efficiency to reduce heat and maximize fuel economy.
- Precision Lubrication systems allows gears and bearings to receive lubricant exactly where and when it's needed for enhanced durability and efficiency.
- Aluminum housings reduce weight and contribute to thermal optimization.
- More than offering a clean, contained look, internal routing of wires and sensors minimizes exposure and corrosion to wires and connectors for improved reliability.
- The Mechatronic Transmission Module integrates pneumatic valves, shift rails, and sensors in a single assembly for improved reliability and service.
- The sleek Linear Clutch Actuator protects components from wear and tear and provides easy access for superior serviceability.
- Maintenance-free, diaphragm spring clutches provide excellent launch and low-speed maneuverability.
- GearLogic, a suite of intelligent, customizable software features, improves performance, fuel efficiency and driver confidence.
- IntelliConnect<sup>®</sup> remote diagnostics monitors vehicle fault codes and notifies you of critical events to reduce unplanned downtime

From traditional linehaul to severe duty applications, there is an Endurant transmission that is engineered to meet your requirements.





## Endurant HD

Learn more

Endurant HD is a lightweight. highly efficient transmission designed for superb drivability in on-highway applications. Sophisticated software allows the engine and transmission to work seamlessly, improving efficiency and performance. Predictive shifting uses lookahead technology to execute shift decisions that improve fuel economy and driver comfort. This award-winning transmission is available with single and dual PTO openings.

## Endurant HD

For fleets that prefer direct drive transmissions, the Endurant HD direct drive model has you covered. It is highly efficient, lightweight, and designed to be easy to drive, making it the perfect choice for linehaul and regional haul applications.

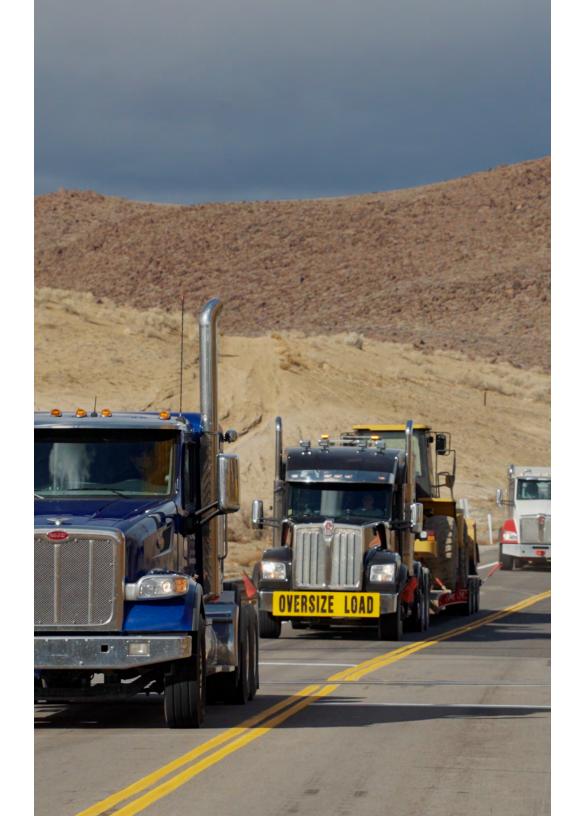
## Endurant HD N

Many fleets are looking to lower their carbon footprint by using natural gas. The Endurant HD N transmission is paired exclusively with the ultra-low emissions Cummins natural gas engines. The powertrain features hardware and software specifically designed for the unique combustion characteristics of natural gas, delivering a vastly improved driver experience over previous natural gas engine and automated transmission combinations.

### Learn more



Forward speeds:	12 overdrive	11 direct drive	12 overdrive
Overall Ratio:	18.85	14.43	18.85
Reverse speeds:	2	2	2
PTO provisions:	8-bolt bottom; optional 4-bolt rear	8-bolt bottom	8-bolt bottom
Maximum GCW lbs. [kg]	110,000 [49,895]	80,000 [36,287]	80,000 [36,287]
Typical Truck Types	Linehaul, Regional Haul, Pickup & Delivery, Construction, Agriculture, Refuse	Linehaul, Regional Haul, Pickup & Delivery	Linehaul, Regional Haul, Pickup & Delivery





## Endurant XD

The Endurant XD is designed to deliver comfort, drivability, and efficiency in on-highway applications that pull heavy loads. To reduce cost of ownership, it features best-in-class maintenance intervals and is up to 2% more fuel efficient than an UltraShift PLUS MXP. It also has improved skip shift ability and smoother shifts compared to previous 13- and 18-speed automated transmissions.

### Learn more



## Endurant XD Pro

Endurant XD Pro delivers the ideal mix of hardware and intelligence to give drivers more confidence in the most challenging applications. Unique software features include Rock Free. which helps avoid getting stuck in sand. mud, or snow by using the accelerator to rock the vehicle free, and the Offhighway Performance Goal, which is an optimized calibration for operation on natural terrain and soft soil.

### Learn more



Forward speeds:	18 overdrive	18 overdrive
Overall Ratio:	20.5	20.5
Reverse speeds:	3	6
PTO provisions:	High capacity 8-bolt bottom;4-bolt rear	High capacity 8-bolt bottom; 4-bolt rear
Maximum GCW Ibs. [kg]	166,000 [75,296]	Unlimited
Typical Truck Types	Linehaul, Heavy haul, Construction, Towing, Doubles, Triples	Heavy haul, Construction, Towing, Logging, Oil field, Agriculture

# Manual transmissions

Eaton manual transmissions are renowned for reliability and durability. The shift knob of these constant mesh, twin countershaft manual transmissions have been in the hands of professional drivers for nearly 70 years - and are still going strong.

We offer an array of ratio sets to provide optimum efficiency and match the unique demands of any application. Because Eaton also engineers a suite of clutches for its transmissions, only Eaton transmissions can handle the largest loads. And with 6- and 8-bolt and thrushaft PTO openings, you have many PTO options.

Features and specifications vary, so be sure to check out the models for details.





## FR Series

Learn more

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Known for its reliability, the Eaton FR series is one of the most popular transmissions on the road. Available in direct drive and overdrive models, this 10-speed manual transmission can handle both on-highway and vocational applications.

## RT-8LL

The 8LL transmissions provide drivers with the versatility they need for a mix of on- and off-highway applications. These transmissions offer eight road speed gears and two additional deepreduction ratios in low and reverse.

Learn more



Forward speeds:	10 overdrive and direct drive	10 overdrive
Overall Ratio:	14.8 / 17.2	19.57
Reverse speeds:	2	3
PTO provisions:	6-bolt/8-bolt/Thru shaft	6-bolt/8-bolt/Thru shaft
Maximum GCW lbs. [kg]	140,000 [63,503]	140,000 [63,503]
Typical Truck Types	Linehaul, Regional Haul, Pickup & Delivery	Highway, Construction Dump, Block Truck, Pumper





Forward speeds:	11 overdrive	13 overdrive	18 overdrive
Overall Ratio:	35.73	16.86	19.73
Reverse speeds:	3	2	4
PTO provisions:	6-bolt/8-bolt/Thru shaft	6-bolt/8-bolt	6-bolt/8-bolt
Maximum GCW Ibs. [kg]	140,000 [63,503]	140,000 [63,503]	Unlimited
Typical Truck Types	Mixers, Asphalt, Spreading, Pumper, Crane	Doubles, Triples, Linehaul, Pick up and Delivery, Construction	Doubles, Triples, Linehaul, Pick up and Delivery, Construction



## **RT-9ALL**

The RT-9ALL features a high-reduction gear ratio for special-purpose, low-speed applications. Ideal for concrete or asphalt-spreading operations.

### RT-13

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With the Eaton RT-13, drivers will experience versatility and low shift effort with these premium 13-speed manual transmissions. The innovative, patented design features a simple mainshaft, which is not splined to the auxiliary gear. This unique design eliminates the added mass, drag and inertia of the entire auxiliary section. During upshifts, where both the lever and splitter button are moved together, the low-inertia mainshaft is guickly brought to synchronous, resulting in fast, easy shifts.

## RT-18

The RT-18 is our most capable manual transmission. Professional drivers will appreciate the ease when upshifting, thanks to the low inertia mainshaft.

### Learn more



# Learn more

Learn more



## Related products and services

## EATON CLUTCHES

Diaphragm and angle spring designs protect the driveline and reduce vibrations. Self-adjusting models cut maintenance cost and deliver smooth engagement mile after mile.









## EATON PS-386 SYNTHETIC TRANSMISSION LUBRICANT

PS-386's unique formula protects and lubricates while delivering maximum fuel efficiency and extended drain intervals in Eaton and Eaton Cummins transmissions.

#### Learn more



## **BEZARES MOBILE** POWER

If your truck uses a power takeoff (PTO), we've got you covered. Eaton is the North American master distributor for Bezares USA, a global manufacturer of PTOs, hydraulic pumps, fittings, tanks, valves, and other related mobile power hydraulic components. In addition to distribution services, Eaton provides post-sale service and support through our Roadranger team.

#### Learn more





meets your needs.

With our Extended Protection Plans, you are never far from parts and service. For your convenience, there are more than 3,500 authorized dealers in the U.S. and Canada.

Heavy-Duty Transmissions

**Approved Models** 

Endurant HD/HD N

Endurant XD

Endurant XD Pro

### Learn more



## **INTELLICONNECT®** REMOTE DIAGNOSTICS

IntelliConnect provides near real-time monitoring of vehicle fault codes and prioritize the critical events to reduce unplanned downtime. It then presents accurate and comprehensive action plans developed by our technical experts for quick repair diagnosis, ultimately increasing vehicle uptime.

### Learn more



## **Roadranger<sup>®</sup> Extended Protection Plans**

Keeping your truck on the road is critical to your livelihood. Roadranger Extended Protection Plans give you peace of mind knowing that, despite increasing parts and labor costs or how severe the work conditions are, you can repair your truck to its original standard of quality.

Roadranger Extended Protection Plans cover the transmission, clutch and 100% of parts and labor on all warrantable failures. For a relatively modest investment, you can rest easy knowing that Roadranger is there to support you throughout the life of your truck. You choose the protection that

	Transmission		Std Warranty	Total Coverage Years/Miles (000)											
Application	Torque	Component	Yr/Mi (000)	Option #1	Price	Option #2	Price	Option #3	Price						
	1750 lbsft and below	Transmission	5/750	6/750	\$580	7/750	\$800	7/850	\$975						
On-Road Linehaul	1850 lbsft and above	Transmission	5/750	6/750	\$800	7/750	\$1,050	7/850	\$1,295						
	ALL	Clutch	3/350	4/450	\$375	5/500	\$590	N/A	#NA						
	1750 lbs.ft. and below	Transmission	5/750	6/750	\$585	7/750	\$800	7/850	\$975						
On-Road Linehaul, Pick up & Delivery (for clutch)	1850 lbs.ft. and above	Transmission	5/750	6/750	\$870	7/750	\$1,320	7/850	\$1,580						
(	ALL	Clutch	3/350	4/450	\$415	5/500	\$650	N/A	N/A						
Standard Duty - Pick up & Delivery	1750 lbs.ft. and below	Transmission	3/300	4/U	\$915	5/U	\$1,295	N/A	N/A						
(for transmission) <sup>4</sup> , Construction, Recreational Vehicle, Heavy Haul,	1850 lbs.ft. and above	Transmission	3/300	4/U	\$1,660	5/U	\$2,145	N/A	N/A						
Refuse, Agriculture	ALL	Clutch	3/300	4/450	\$475	5/U	\$825	N/A	N/A						
	1750 lbsft. and below	Transmission	5/750	6/750	\$585	7/750	\$800	7/850	\$975						
On-Road Linehaul, Pick up & Delivery (for clutch)	1850 lbsft. and above	Transmission	5/750	6/750	\$870	7/750	\$1,320	7/850	\$1,580						
	All	Clutch	3/350	4/450	\$415	5/500	\$650	N/A	N/A						
Standard Duty - Pick up & Delivery	1750 lbsft. and below	Transmission	3/300	4/U	\$915	5/U	\$1,295	N/A	N/A						
(for transmission) <sup>4</sup> , Construction, Recreational Vehicle, Heavy Haul,	1850 lbsft. and above	Transmission	3/300	4/U	\$1,660	5/U	\$2,145	N/A	N/A						
Refuse, Agriculture	All	Clutch	3/300	4/450	\$475	5/U	\$825	N/A	N/A						
	1750 lbsft. and below	Transmission	2/U	3/U	\$1,240	4/U	\$1,685	5/U	\$2,285						
Severe Duty - Logging, Mining, Oil Field, Off Highway	1850 lbsft. and above	Transmission	2/U	3/U	\$1,600	4/U	\$2,090	5/U	\$2,750						
	All	Clutch	2/U	3/U	\$560	4/U	\$975	5/U	\$1,350						

Approved Models	Application	Transmission	Component	Std Warranty	Total Cover	Total Coverage Years/Miles (000)										
	Approaction	Torque	Component	Yr/Mi (000)	Option #1	Price	Option #2	Price	Option #3	Price						
		1750 lbsft. and below	Transmission	5/500	6/750	\$590	7/750	\$800	7/850	\$975						
	On-Road Linehaul	1850 lbsft. and above	Transmission	5/500	6/750	\$800	7/750	\$1,060	7/850	\$1,295						
		ALL	Clutch	3/350	4/450	\$415	5/500	\$650	N/A	#N/A						
	Standard Duty - Pick up & Delivery,	1750 lbsft. and below	Transmission	3/U	4/U	\$915	5/U	\$1,295	N/A	#N/A						
JItraShift PLUS MHP/ MXP	Construction, Recreational Vehicle, Transit Coach	1850 lbsft. and above	Transmission	2/U	3/U	\$1,245	4U	\$1,550	5/U	#N/A						
		ALL	Clutch	2/U	3/U	\$475	4/U	\$825	5/U	#N/A						
	Severe Duty - Heavy Haul <sup>1</sup> ,	1750 lbsft. and below	Transmission	2/U	3/U	\$1,245	4/U	\$1,690	5/U	\$2,290						
	Logging, Mining, Oil Field, Refuse,	1850 lbsft. and above	Transmission	2/U	3/U	\$1,610	4/U	\$2,110	5/U	\$2,775						
	Agriculture, Off Highway	ALL	Clutch	2/U	3/U	\$560	4/U	\$975	5/U	\$1,350						
		1750 lbs.ft.and below	Transmission	3/300	5/500	\$975	7/750	\$1,185	7/850	\$1,350						
	On-Road Linehaul	1850 lbsft. and above	Transmission	3/300	5/500	\$1,295	7/750	\$1,550	7/850	#N/A						
		ALL	Clutch	3/350	4/450	\$415	5/500	\$650	N/A	#N/A						
	Ctandard Duty Biokup & Daliyany	1750 lbsft. and below	Transmission	3/U	4/U	\$915	5/U	\$1,295	N/A	#N/A						
JItraShift PLUS VXP	Standard Duty - Pick up & Delivery, Construction, Recreational Vehicle,	1850 lbsft. and above	Transmission	3/U	4/U	\$1,245	5/U	\$1,550	N/A	#N/A						
	Transit Coach	ALL	Clutch	3/U	4/U	\$475	5/U	\$825	N/A	#N/A						
	Course Duty, Hannellauli	1750 lbsft. and below	Transmission	2/U	3/U	\$1,245	4/U	\$1,690	5/U	\$2,290						
	Severe Duty - Heavy Haul <sup>1</sup> , Logging, Mining, Oil Field, Refuse,	1850 lbsft. and above	Transmission	2/U	3/U	\$1,610	4/U	\$2,110	5/U	\$2,775						
	Agriculture, Off Highway	ALL	Clutch	2/U	3/U	\$560	4/U	\$975	5/U	\$1,350						
	Standard Duty - Pick up & Delivery.	1750 lbsft and below	Transmission	3/U	4/U	\$915	5/U	\$1,295	N/A	#N/A						
	Standard Duty - Pick up & Delivery, Construction, Recreational Vehicle, Transit Coach, Fire Service, Rescue	1850 lbsft and above	Transmission	3/U	4/U	\$1,245	5/U	\$1,550	N/A	#N/A						
UltraShift PLUS VCS/	Vehicle	ALL	Clutch	3/U	4/U	\$475	5/U	\$825	N/A	#N/A						
VMS	Course Duty, Honory Hauli	1750 lbsft and below	Transmission	2/U	3/U	\$1,245	4/U	\$1,690	5/U	\$2,290						
	Severe Duty - Heavy Haul <sup>1</sup> , Logging, Mining, Oil Field, Refuse,	1850 lbsft and above	Transmission	2/U	3/U	\$1,610	4/U	\$2,110	5/U	\$2,775						
	Agriculture, Off Highway	ALL	Clutch	2/U	3/U	\$560	4/U	\$975	5/U	\$1,350						
FD 10	On Dead Line have	1750 lbsft and below	Transmission	5/750	6/750	\$240	7/750	\$415	7/850	\$560						
-R-10	On-Road Linehaul	1850 lbsft and above	Transmission	5/500	6/750	\$265	7/750	\$475	7/850	\$590						
	Standard Duty - Construction, Pick	1750 lbsft and below	Transmission	3/U	4/U	\$475	5/U	\$800	N/A	#N/A						
RT-9ALL	up and Delivery, Transit Coach, School Bus, Recreation Vehicle, Fire Service, Rescue Vehicle	1850 lbsft and above	Transmission	3/U	4/U	\$800	5/U	\$1,295	N/A	#N/A						
11-JALL	Severe Duty - Off Highway, Agriculture, Heavy Haul, Logging,	1750 lbsft and below	Transmission	2/U	3/U	\$615	4/U	\$975	5/U	\$1,550						
	Mining, Oil Field, Refuse, Yard Tractor, InterCity Bus	1850 lbsft and above	Transmission	2/U	3/U	\$975	4/U	\$1,550	5/U	\$2,290						



**Approved Models** 

RT-13/18

Fuller Advantage Automate

Pricing

Notes



	Application	Transmission	Component	Std Warranty	Total Coverage Years/Miles (000)											
	Application	Torque	Component	Yr/Mi (000)	Option #1	Price	Option #2	Price	Option #3	Price						
	On-Road Linehaul	1750 lbsft. and below	Transmission	3/300	5/500	\$560	7/750	\$975	7/850	\$1,185						
	UII-noau Liiteriaui	1850 lbsft. and above	Transmission	3/300	5/500	\$950	7/750	\$1,610	7/850	\$1,880						
	Standard Duty - Construction, Pick up and Delivery, Transit Coach, School	1750 lbsft. and below	Transmission	3/U	4/U	\$475	5/U	\$800	N/A	#N/A						
	Bus, Recreation Vehicle, Fire Service, Rescue Vehicle	1850 lbsft. and above	Transmission	3/U	4/U	\$800	5/U	\$1,295	N/A	#N/A						
S	Severe Duty - Off Highway, Agriculture,	1750 lbsft. and below	Transmission	2/U	3/U	\$615	4/U	\$975	5/U	\$1,550						
	Severe Duty - Off Highway, Agriculture, Heavy Haul, Logging, Mining, Oil Field, Refuse, Yard Tractor, InterCity Bus	1850 lbsft. and above	Transmission	2/U	3/U	\$975	4/U	\$1,550	5/U	\$2,290						
		1750 lbs. ft. and below	Transmission	5/750	6/750	\$590	7/750	\$800	7/850	\$975						
	On-Road Linehaul	1850 lbs. ft. and above	Transmission	5/750	6/750	\$800	7/750	\$1,060	7/850	\$1,295						
		ALL	Clutch	3/350	4/450	\$415	5/500	\$650	N/A	#NA						
	Standard Duty Biokup & Dalivany	1750 lbsft and below	Transmission	3/U	4/U	\$1,005	5/U	\$1,295	N/A	#N/A						
ated	Standard Duty - Pick up & Delivery, Construction, Recreational Vehicle, Transit Coach	1850 lbsft and above	Transmission	3/U	4/U	\$1,245	5/U	\$1,550	N/A	#N/A						
	Iransit Coach	ALL	Clutch	3/U	4/U	\$475	5/U	\$825	N/A	#N/A						
	Sovere Duty Heavy Headly Locaina	1750 lbsft and below	Transmission	2/U	3/U	\$1,245	4/U	\$1,690	5/U	\$2,290						
	Severe Duty - Heavy Haul <sup>1</sup> , Logging, Mining, Oil Field, Refuse, Agriculture,	1850 lbsft and above	Transmission	2/U	3/U	\$1,610	4/U	\$2,110	5/U	\$2,775						
	Off Highway	ALL	Clutch	2/U	3/U	\$560	4/U	\$975	5/U	\$1,350						

Note: All pricing and coverage subject to change, and must meet Eaton application requirements. All extended coverage requires use of Eaton-approved lubricants.

All pricing is in USD and applies for Protection Plans sold in the first year in service. An additional premium is required for Protection Plans sold within the second and third year of vehicle service. Plans must be purchased before the end of the standard warranty period. Premium Pricing: Second year \$100; Third year \$300. Canadian orders will be invoiced in CAN\$ based on prevailing exchange rate. For the most current CAN\$ pricing, go to Order Online.

1. Heavy haul application available for MXP/VXP models only.

Heavy haul application available for INXP/XXP models Only.
Heavy haul application available for INXP/XXP models Only.
All pricing and coverage subject to change and must meet Eaton application requirements. All extended coverage requires use of Eaton-approved lubricants.
Pick up & Delivery warranty falls under On-Road for clutch, but under Standard for Endurant XD/XD Pro transmissions.
Externally mounted heat exchangers coverage limited to standard warranty or 3 years / 300,000 miles (480,000 km) maximum. Extended Protection does not apply.
ECA and XY shifter coverage limited to 5 years maximum. EPP options beyond 5 years do not cover these components.

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Transmission	n Model		Max GCWR Lbs. [kg]	Overall Ratio		R4	R3 R	2 R	1 1	% :	2 %	63	% 4	% 5	%	6	% 7	%	8	% 9	9 %	10	% 11	%		12 %	13	% 14	1 %	15 9	6 16	%	17 %	18	Oil Capca Pints [lite	city Length Incl rs] [mm] 1		PTO Speed (% Of Engine	Combined PTO Torque LbFt. [Nm]	8-bolt P Capable	TO 6-bolt P Capable	FO 4-bolt Rear PTO Capabl	Thru-shaft PTO e Capable
	EE-17F111B	1750 [2373]	80,000 [36,287]	14.43			12	2.95 16	6.92 14.·	.43 31 1	11.05 31	1 8.44	31 6.4	6 31 4	95 31	3.79	30 2.9	91 31	2.23	31 1	.70 31	1.30	30 1.0	0											16 [7.57]	37.9 [963]	646 [293]	137	385 [522]	Yes 9	No	No	No
	EEO-14F112C	1450 [1966]	110,000 [49,895]	18.85			12	2.95 16	6.92 14.4	.41 31 1	11.05 31	1 8.44	31 6.4	6 31 4	95 31	3.79	30 2.9	91 31	2.23	31 1	.71 31	1.31	30 1.0	0 31		0.77									16 [7.57]	37.9 [963]	646 [293]	137	385 [522]	Yes 9	No	Yes 10	No
Endurant HD	EEO-15F112C	1550 [2101]	110,000 [49,895]	18.85			1:	2.95 16	6.92 14.4	.41 31 1	11.05 31	1 8.44	31 6.4	6 31 4	95 31	3.79	30 2.9	91 31	2.23	31 1	.71 31		30 1.0			0.77									16 [7.57]	37.9 [963]	646 [293]	137	385 [522]	Yes 9	No	Yes 10	No
	EEO-16F112C	1650 [2237]	110,000 [49,895]	18.85			1:	2.95 16	6.92 14.4	.41 31 1	11.05 31	1 8.44	31 6.4	6 31 4	95 31	3.79	30 2.9	91 31	2.23	31 1	1.71 31	1.31	30 1.0	0 31		0.77									16 [7.57]	37.9 [963]	646 [293]	137	385 [522]	Yes 9	No	Yes 10	No
	EEO-17F112C	1750 [2373]	110,000 [49,895]	18.85			1:	2.95 16	6.92 14.4	.41 31 1	11.05 31	1 8.44	31 6.4	6 31 4	95 31	3.79	30 2.9	91 31	2.23	31 1	1.71 31	1.31	30 1.0	0 31		0.77									16 [7.57]	37.9 [963]	646 [293]	137	385 [522]	Yes 9	No	Yes 10	No
	EEO-18F112C	1850 [2508]	110,000 [49,895]	18.85			1:	2.95 16	5.92 14.·	.41 31 1	11.05 31	1 8.44	31 6.4	6 31 4	95 31	3.79	30 2.9	91 31	2.23	31 1	1.71 31		30 1.0			0.77									16 [7.57]	37.9 [963]	646 [293]	137	385 [522]	Yes 9	No	Yes 10	No
JANS	EHD-14112C-N	1450 [1966]	80,000 [36,287]	18.85			1:	2.95 16	6.92 14.	.41 31 1	11.05 3	1 8.44	31 6.4	6 31 4	95 31	3.79	30 2.9	91 31	2.23	31 1	1.71 31	1.31	30 1.0	00 31		0.77									16 [7.57]	37.9 [963]	646 [293]	137	385 [522]	Yes 9	No	No	No
Endurant HD N	EHD-16F112C-N	1650 [2237]	80,000 [36,287]	18.85			1:	2.95 16		.41 31 1				6 31 4	95 31	3.79	30 2.9	91 31	2.23		1.71 31		30 1.0			0.77									16 [7.57]	37.9 [963]	646 [293]	137	385 [522]	Yes 9	No	No	No
	EHD-18112C-N	1850 [2508]	80,000 [36,287]	18.85			1:	2.95 16		.41 31 1					95 31	3.79		91 31	2.23		.71 31		30 1.0			0.77									16 [7.57]	37.9 [963]	646 [293]	137	385 [522]	Yes 9	No	No	No
Endurant XD	EXD-16F118D	1650 [2237]	166,000 [75,296]	20.46		•	10.67 12	2.73 15	5.25 14.3	.32 20 1	11.96 19	9 10.02	19 8.4	3 20 7	04 19	5.90	19 4.9	95 20	4.13	19 3	3.46 20	2.89	20 2.4	1 19		2.02 19	1.7	20 1.4	12 19	1.19 1	9 1.00	20	0.83 19	0.70	25.4 [12]	41.3 [1048]	788 [357]	111	610 [827]	Yes	No	Yes	No
	EXD-18F118D	1850 [2508]	166,000 [75,296]	20.46			10.67 12	2.73 15	5.25 14.3	32 20 1	11.96 19	9 10.02	19 8.4	3 20 7	04 19	5.90	19 4.9	95 20	4.13	19 3	3.46 20	2.89	20 2.4	1 19		2.02 19	1.7	20 1.4	12 19	1.19 1	9 1.00	20	0.83 19	0.70	25.4 [12]	41.3 [1048]	788 [357]	111	610 [827]	Yes	No	Yes	No
	EXDP-16F118D	1650 [2237]	Unlimited	20.46	2.15 2.57	3.08	10.67 12	2.73 15	5.25 14.	.32 20 1	11.96 19	9 10.02	19 8.4	3 20 7	04 19	5.90	19 4.9	95 20	4.13	19 3	3.46 20		20 2.4			2.02 19	1.7	20 1.4	42 19	1.19 1	9 1.00	20	0.83 19	0.70	25.4 [12]	41.3 [1048]	793 [360]	111	610 [827]	Yes	No	Yes	No
Endurant XD Pro	EXDP-18F118D	1850 [2508]	Unlimited	20.46	2.15 2.57	3.08	10.67 12	2.73 15	5.25 14.	.32 20 1	11.96 19	9 10.02	19 8.4	3 20 7	04 19	5.90	19 4.9	95 20	4.13	19 3	3.46 20	2.89	20 2.4	1 19		2.02 19	1.7	20 1.	42 19	1.19 1	9 1.00	20	0.83 19	0.70	25.4 [12]	41.3 [1048]	793 [360]	111	610 [827]	Yes	No	Yes	No
	EXDP-20F118D	2050 [2779]	Unlimited	20.46	2.15 2.57	3.08	10.67 12	2.73 15	5.25 14.	32 20 1	11.96 19	9 10.02	19 8.4	3 20 7	04 19	5.90	19 4.9	95 20	4.13	19 3	3.46 20		20 2.4			2.02 19					9 1.00			0.70	25.4 [12]	41.3 [1048]	793 [360]	111	610 [827]	Yes	No	Yes	No
	FRM-15210B	1550 [2101]	80,000 [36,287]	14.80			3.	.63 16	6.21 14.	8 34 1	10.95 36	6 8.09	34 5.9	7 38 4	46 35	3.32	36 2.4	45 34	1.81	35 1	.35 34	1.00													23.5 [11]	29.9 [759]	592 [269]	65	500 [678]	Yes	Yes 8	No	No
	FRW-15210B	1550 [2101]	80,000 [36,287]	14.80			3.	.63 16	6.21 14.	8 34 1	10.95 36	6 8.09	34 5.9	7 38 4	46 35	3.32		45 34	1.81	35 1	.35 34	1.00													23.5 [11]	29.9 [759]	592 [269]	65	500 [678]	Yes	Yes 8	No	No
	FRO-16210C	1650 [2237]	140,000 [63,503]	17.17			2.	.80 13		.69 37 9		8 6.75	38 4.9	0 35 3	62 40	2.59	37 1.9	9 38	1.38	38 1	.00 35	0.74													23.5 [11]	29.9 [759]	592 [269]	84	500 [678]	Yes	Yes 8	No	Lower left & Upper right
	FRO-18210C	1850 [2508]	140,000 [63,503]	17.51			2.	.80 13		.94 39 9		8 6.75		0 35 3	62 37	2.64	39 1.9	9 38	1.38	38 1	.00 35	0.74													23.5 [11]	29.9 [759]	592 [269]	84	500 [678]	Yes	Yes 8	No	Lower left & Upper right
RT-8LL	RTO-16908LL	1650 [2237]	140,000 [63,503]	19.57		:	2.89 9.	.85 15	5.22 14.	.56 55 9	9.42 51	1 6.24	35 4.6	3 36 3	40 34	2.53	38 1.8	83 35	1.36	36 1	.00 34	0.74	Ļ												28 [13]	33.1 [841]	690 [313]	94	500 [678] 7	Yes	Yes 5	No	Lower left 5
RT-9ALL	RTO-16909ALL	1650 [2237]	140,000 [63,503]	35.71			3.43 13	3.03 20	0.84 26.	.08 60 1	16.30 38	3 11.85	60 7.4	1 42 5	23 38	3.79	37 2.7	77 42	1.95	42 1	.38 38	1.00	37 0.7	'3											28 [13]	33.1 [841]	698 [317]	79	500 [678]	Yes	Yes 5	No	Lower left 5
RT-13	RTLO-18913A	1850 [2508]	140,000 [63,503]	16.86						.31 42 8		2 6.11	38 4.4	3 37 3	23 41	2.29	17 1.9	95 21	1.62		.38 18		' 17 1.0			0.86 17	0.73								28 [13]	33.1 [841]	714 [324]	79	350 [475] 6	Yes	Yes 4	No	No
≥ RT-18	RTLO-20918B	2050 [2779]	Unlimited	19.73		3.43	4.03 12	2.85 15	5.06 14.	.4 17 1	12.29 44	4 8.56	17 7.3	0 21 6	05 17	5.16	18 4.3	38 17	3.74	17 3	3.20 17	2.73	19 2.2	9 17		1.95 20			38 18	1.17 1	7 1.00	17	0.86 17	0.73	28 [13]	33.1 [841]	716 [325]	79	350 [475] 6	Yes	Yes 4	No	No
11-10	RTLO-22918B	2250 [3051]	Unlimited	19.73		3.43	4.03 12	2.85 15	5.06 14.	.4   17   1	12.29 44	4 8.56	17 7.3	0 21 6	05 17	5.16	18 4.3	38 17	3.74	17 3	3.20 17	2.73	3 19 2.2			1.95 20	1.62	17 1.	38 18	1.17 1	7 1.00	17	0.86 17	0.73	28 [13]	33.1 [841]	716 [325]	79	500 [678] 7	Yes	Yes 4	No	No

1 Standard install length measured from main case mounting surface to the end of output yoke 2 Dry weight including clutch

3 Endurant HD Dual PTO 660 lbs. [299 kg]

4 6-bolt PTO will interfere with front mount oil filter. Rear or remote mount oil filter must be utilized.

5 Oil pump required

Learn more

6 Transmission may be ordered with heavy-duty input bearing (4301417) to allow a combined PTO output of 500 lb-ft (continuous) and 750 lb-ft (intermittent) torque.

7 Intermittent torque of up to 750 lb-ft at the countershaft is permitted for 5 minutes of each 15 minute PTO duty cycle

8 6-Bolt Option not available on Integral Oil Cooler Case 9 Elastomer controlled squeeze seal required at PTO Transmission mounting sealing surfaces

### TRANSMISSION SELECTOR

Selecting the correct automated transmission for your application just got easier. By answering a few questions, our new online tool directs you to the transmission that best fits your requirements



TRANSMISSION MODELS

The model nomenclature assigned to a transmission provides information about torque capacity, forward speeds, ratio set, shift bar housing, and other provisions and options. To learn more, review the Transmission Nomenclature Guide RRSL0002.



10 Rear PTO option is a Thru-Shaft PTO and is only available when the Dual PTO Transmission is ordered

11 PTO torque rating is 8-bolt only, rear PTO only, or both PTO 12 +200 lbs.-ft. [271 Nm] in top two gears combined

### **POWER TAKE-OFF**

For detailed information regarding PTO installation and functionality, refer to the PTO Information Guides.

**TRIG2600** 









#### ENDURANT XD TRIG2620

Learn more





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