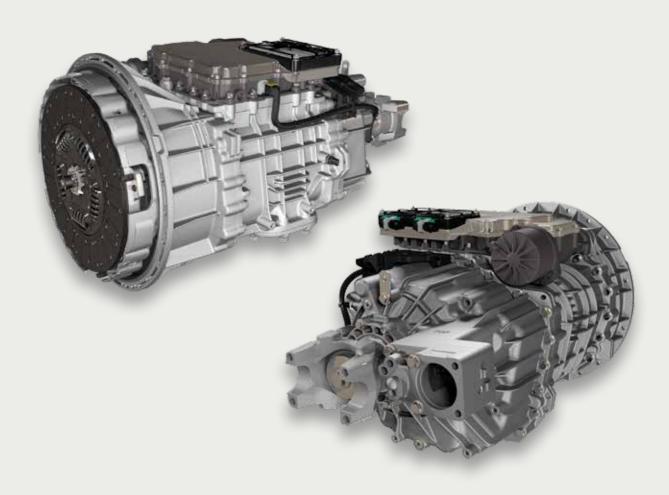
# More ways to get the job done

Endurant was designed from a clean sheet using decades of transmission expertise and tested in the most extreme environments to ensure reliability. Even it's name speaks to it's ability to handle the rigors of day-in and day-out, heavy-duty trucking.

Because there's no one transmission that's right for every job, Endurant offers choices - direct drive and overdrive models, and single and dual PTO mounts so you can choose what's right for your fleet.

The 12-speed overdrive and 11-speed direct drive models are lightweight, yet rugged, and loaded with features that minimize maintenance.

The new dual PTO option provides customers with two PTO mounting locations: an 8-bolt bottom mount and a 4-bolt rear mount with a combined 95 horsepower capability. A single PTO model with an 8-bolt bottom mount location is also available, giving fleets enhanced flexibility in the secondary market.



Read on to learn more and visit eatoncumminsiv.com/endurant for a closer look at competitive comparisons, specs, videos and more.

# **Key Specifications and Capacities**

FEATURE	DEFINITION	
Gears	OD: 12 forward / 2 reverse DD: 11 forward / 2 reverse	
Lower Cruise Speed Limit	1,000 RPM	
Torque Capacity	1,850 lbft.	
Oil Capacity	16 pints	
System Weight (Transmission, Clutch & Oil)	657 lbs. single PTO, 660 lbs. dual PTO	
Maximun Operating Weight	0D: 110,000 lbs. DD: 80,000 lbs.	
PTO Maximum Capacity	8-bolt, bottom mount, 95 HP 4-bolt, rear mount, 95 HP	
Oil Sensing	Protection from burnup	
Warranty Coverage Transmission Clutch	5 years / 750,000 miles 3 years / 350,000 miles	
Maintenance Intervals Transmission Clutch	750,000 mile oil change Maintenance free	

## Peace of Mind

Like all Eaton Cummins automated transmissions, Endurant is backed by the support, solutions and expertise of the Roadranger® network.

BACKED BY Roadranger SUPPORT

Roadranger: Eaton, Eaton Cummins Automated Transmission Technologies and trusted partners providing the best products and services in the industry, ensuring more time on the road. Endurant is a registered trademark of Eaton Cummins Automated Transmission Technologies.

Transmission Clutch

Standard warranty

Transmission

Clutch

Eaton Cummins Automated Transmission Technologies P.O. Box 4013, Kalamazoo, MI 49003 USA 800-826-HELP (4357) eatoncumminsjv.com



Note: Features and specifications listed in this document are subject to change without notice and represent the maximum capabilities of the software and products with all options installed. Although every attempt has been made to ensure the accuracy of information contained within, Eaton Cummins makes no representation about the completeness, correctness or accuracy and assumes no responsibility for any errors or omissions. Features and functionality may vary depending on selected options.

RATIOS	OD	DD	
1 <sup>st</sup>	14.43		
2 <sup>nd</sup>	11.05		
3 <sup>rd</sup>	8.44		
4 <sup>th</sup>	6.46		
5 <sup>th</sup>	4.95		
6 <sup>th</sup>	3.79		
7 <sup>th</sup>	2.91		
8 <sup>th</sup>	2.23		
9 <sup>th</sup>	1.70		
10 <sup>th</sup>	1.30		
11 <sup>th</sup>	1.00		
12 <sup>th</sup>	0.77		
Reverse 1	16.92		
Reverse 2	12	12.95	
Overall	18.85	14.43	

5-year, 750,000-mile warranty for linehaul commercial vehicles

3-year, 350,000-mile warranty

Extended protection plans

1 year, 2 year, and 2 year 100,000 miles

1 year 100,000 miles, 2 vear 150.000 miles

# GET TO KNOW THE NEW INDUSTRY **STANDARD**

The Endurant<sup>™</sup> Transmission





EATON CANNER AUTOMATED TRANSMISSION TECHNOLOGIES™

BACKED BY Roadranger SUPPORT

The award-winning Endurant automated transmission has been intelligently engineered from the ground up with features that protect your investment and make it easy to maintain. Endurant is the lightest heavy-duty transmission and includes breakthrough innovations such as a transmission fluid pressure sensor and clutch life prognostics. There's even a new dual-PTO model designed for bulk haulers. With industry-leading downspeeding and maintenance intervals, it's capable of hauling up to 110,000 pounds Gross Vehicle Weight.

Eleets searching for *superior reliability*, performance and efficiency have found their answer.

#### **Pneumatic Shift Actuation System**

Internalized electrical controls, paired with the response and reliability of a pneumatic actuation system, provide industry-leading performance through every gear

#### **Input Shaft Wear Sleeve**

Replaceable wear sleeve allows for affordable and guick repair, compared to competitive transmissions, which require a costly and time-consuming full teardown

#### 430mm Selfadjust Clutch

The maintenance-free organic-faced clutch provides excellent launch and low-speed maneuverability

#### **Clutch Life Prognostics**

Provides clutch replacement notification in advance so you can better plan downtime

#### **All-Aluminum Enclosure**

Intelligent design contributes to weight reduction and thermal optimization

# **Twin Countershaft Design with Helical**

Gearing

Innovative gear design provides best-in-class ratio coverage and enables lowest cruise RPM and highest gear efficiency to maximize fuel economy

#### Internal Sensors & Wiring

More than offering a clean, contained look, internal routing minimizes exposure and corrosion to wires and connectors for improved reliability

### 8-bolt PTO Opening

Enhances vehicle flexibility. which improves vehicle resale value

#### **Overdrive or Direct Drive**

Model options to meet your fleet's unique needs

#### Linear Clutch Actuator (LCA)

Sleek design protects components from wear and tear. Easy access to LCA provides superior serviceability compared to competitors

#### **Transmission Control** Module (TCM)

Integration with the vehicle and engine systems provides a balance of fuel economy and performance for an intuitive driving experience and state-of-the-art safety

#### **4-Bolt PTO Opening**

Allows 95 horsepower PTO to be fitted for dual PTO applications

#### **Limp Home Mode**

Allows the transmission to operate in a reduced capacity, enabling the driver to get to a safe location for service

#### Fluid Pressure Sensor

Notifies driver of low oil to prevent gear burnup

#### **Cooler-less Precision Lubrication System** Allows gears and bearings to get

oil exactly where they need it, when they need it, for enhanced durability and efficiency



# Get to Know Endurant

Fleets have many priorities, but fuel efficiency, reliability, cost of ownership and safety are near the top of everyone's list. Let's take a look at how Endurant addresses these needs.



#### **Intelligently Engineered**

Endurant was designed, engineered and created from a clean sheet to be an automated transmission...not simply an update to an AMT. This allowed us to optimize the transmission's weight, dimensions and features. It's the lightest heavy-duty automated transmission, yet capable of handling 1,850 lb.-ft. of torque. Drivers will appreciate the smooth and intuitive shift strategies and low-speed maneuverability. Integrated communication between the engine and transmission allows predictive shifting and Eaton GearLogic<sup>™</sup> features to improve efficiency and performance.



#### **Protects Your Investment**

With Endurant, you know it's going to last. But to make it last longer, we've developed several smart features like a transmission fluid pressure sensor. It notifies you of a developing problem and safeguards your truck-before it's too late. Our 430mm, self-adjust clutch is maintenance-free, which means it requires no adjustments or grease. And when it's time to replace it, we give you a heads-up by using prognostics so you can better plan your downtime



#### **Easy to Maintain**

Getting the most out of your transmission between maintenance intervals means Endurant needs to last longer. So, how about an oil life of 750,000 miles? That's 250,000 miles more than the competition. All while using half as much lubricant as competitive automated transmissions.



And if there is a service issue. Endurant uses Eaton IntelliConnect,<sup>™</sup> a telematics-capable system that provides near real-time monitoring of vehicle fault codes, prioritizes the critical events and provides accurate and comprehensive action plans by our technical experts. Unplanned downtime is reduced and quicker repair diagnosis gets you back on the road faster.