



Power Meets Precision: Logan Clutch's 600 Series PTO Clutch Paired with the Cummins-Eaton Endurant HD V Transmission

Introduction

Eaton Cummins has expanded its popular Endurant line with the launch of the HD V automated manual transmission (AMT), designed with the rugged needs of vocational trucks in mind. Sporting a dual power take-off (PTO) setup with an 8-bolt bottom and 4-bolt rear PTO, the Endurant HD V AMT caters to applications requiring robust hydraulic or auxiliary power. But for this level of workload, selecting a PTO clutch that can match the transmission's demanding torque and power ratings is essential. That's where the Logan 600 Series SAE Direct Drive PTO Clutch steps in as a top-tier solution, offering durability and performance to complement Eaton Cummins' latest innovation.

Why the Logan 600 Series PTO Clutch?

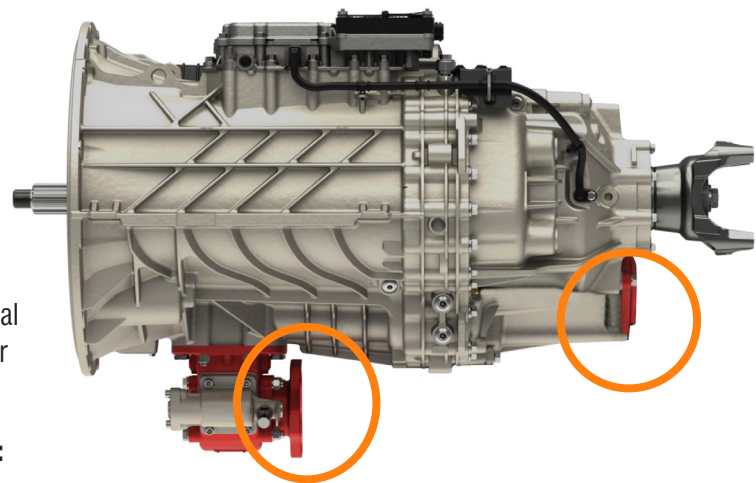
Designed to meet the demands of industrial and mobile applications, the Logan 600 Series PTO clutch is ideally suited for pairing with the Endurant HD V transmission. Handling up to 610 lb-ft (827 Nm) of combined PTO torque and supporting up to 95 horsepower through dual PTOs, the Endurant HD V benefits from the 600 Series' seamless power transfer and exceptional durability.

The Logan 600 Series' specific advantages for this application include:

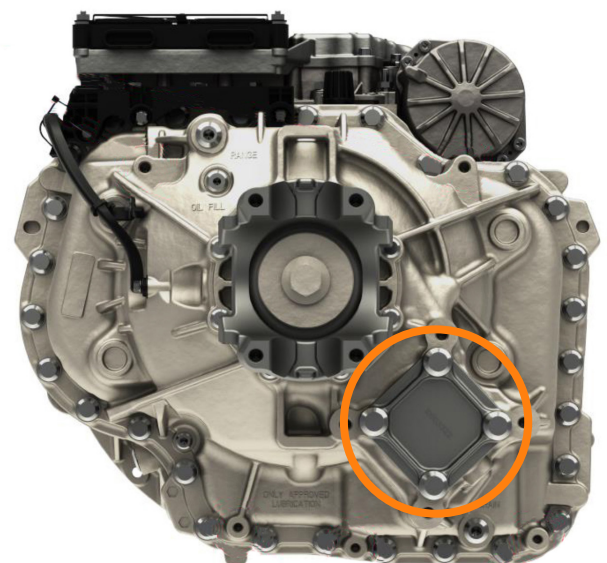
- **Torque Capacity:** With models engineered to handle up to 800 lb-ft, the Logan 600 Series exceeds the torque requirements of the Endurant HD V, ensuring reliable operation even under heavy loads.
- **SAE and DIN Spline Compatibility:** The 600 Series can be configured with SAE B or DIN 5462 splines, matching the Endurant's PTO mounting interfaces. This flexibility enables easy integration and ensures a robust, secure connection, essential for applications that depend on consistent hydraulic power delivery.
- **Pneumatic and Hydraulic Activation Options:** The Logan 600 Series is available with pneumatic or hydraulic activation, offering operational flexibility for vocational trucks operating in diverse and demanding environments. Whether used in crane applications or heavy-duty hauling, Logan's activation options ensure compatibility with the HD V's extreme-duty clutch system.



Logan SAE and DIN mounted 200, 600 and 1200 series, heavy-duty, Direct Drive Power Take-off PTO clutches. Air or Fluid actuated Logan PTO clutches are self-adjusting, and available with soft start technology.



Sporting a dual power take-off (PTO) setup with an 8-bolt bottom and 4-bolt rear PTO, the Endurant HD V AMT caters to applications requiring robust hydraulic or auxiliary power.



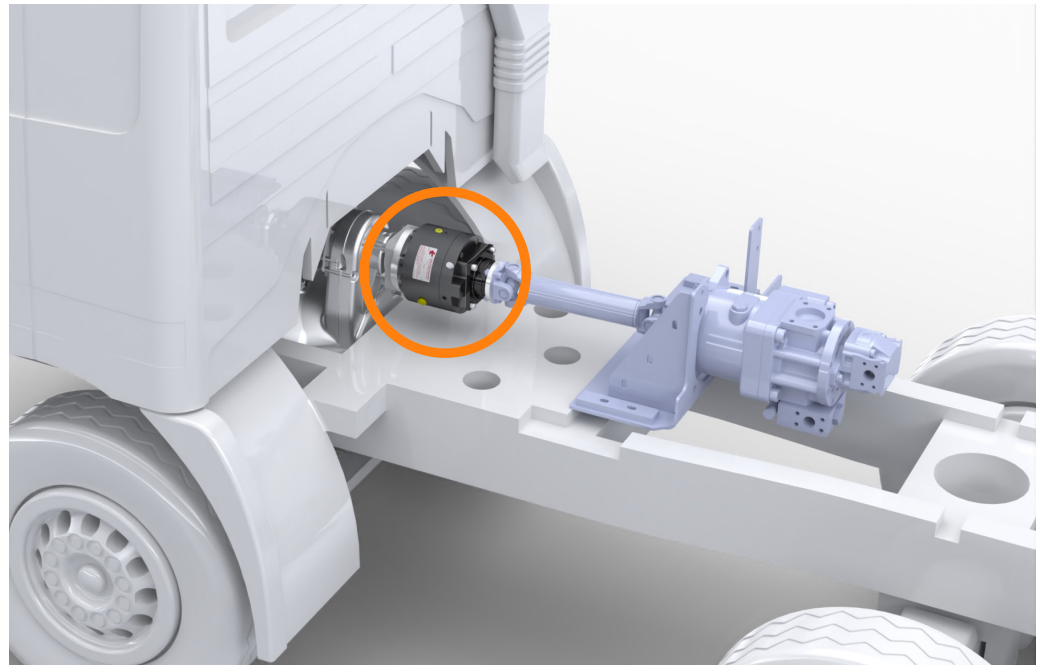
The Endurant HD V AMT 4-bolt rear PTO, is an ideal fit for Logan Direct Drive PTO clutches, rated at continuous duty and capable of transmitting more than 600 lb. ft of torque.



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Technical Synergy: Endurant HD V and Logan 600 Series

With a maximum engine torque of 1,700 lb-ft, the Endurant HD V is designed to handle the toughest applications. It features innovative modes like Rock Free and Off-Highway Performance Goal that dynamically adjust to terrain changes, and with dual PTO openings, this AMT is ready for continuous-duty PTO applications. The Logan 600 Series PTO clutch, with its high-torque capability and rugged build, complements this versatility by providing reliable engagement and transfer of power to hydraulic pumps, generators, or other critical equipment.



Logan 600 series, heavy-duty, Direct Drive Power Take-off PTO clutch. Air of Fluid actuated Logan PTO clutches are self-adjusting, and available with soft start technology.

Installation Considerations and Compatibility

The Endurant HD V's PTO mounts, including the 8-bolt bottom and 4-bolt rear interfaces, offer dimensions that can be configured to fit various PTO and hydraulic system specifications. Logan's 600 Series, designed with compatible SAE and DIN splines, fits seamlessly into this setup. Its robust construction and high torque threshold make it an ideal choice for vehicles operating within the Endurant's 70,000-lb. gross combination weight rating, providing dependable performance over challenging terrains.

Conclusion

For vocational fleets operating in challenging conditions, the combination of Eaton Cummins' Endurant HD V AMT and Logan Clutch's 600 Series PTO clutch offers unparalleled durability, flexibility, and power. This pairing provides a complete solution for operators needing reliable PTO power transfer, extended service intervals, and maintenance ease, supporting diverse applications from construction to heavy hauling.

About Logan Clutch Corp.

Family owned and operated for 50-years, Logan is a leader in heavy-duty PTO clutches for all types of Mobile and Marine Applications. Contact Logan today for more information. Sales@loganclutch.com or <https://loganclutch.com/sae-direct-drive-ptos-product>



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