



Allison Transmission Reveals Fully Integrated Electric Propulsion System for Commercial Trucks

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INDIANAPOLIS--(BUSINESS WIRE)--Apr. 24, 2019-- At the Advanced Clean Technology (ACT) Expo, Allison Transmission, a global leader in medium- and heavy-duty propulsion solutions for commercial vehicles, is introducing the new AXE Series, one of the most powerful e-axle systems for medium- and heavy-duty trucks in the world. A fully integrated electric powertrain system designed to fit inside a standard frame along the axles of commercial trucks; the AXE Series features electric motors, a 2-speed gearbox, oil coolers and pumps. The offering also includes power electronics for a complete powertrain solution.

"With our more than 100 years of being an innovation leader, Allison is leading the transformation of the commercial vehicle industry with electric powertrain solutions," said David S. Graziosi, Allison Transmission President and CEO. "The AXE Series is the first e-axle in the heavy-duty truck industry to provide this level of power density, size and simplicity. We take tremendous pride that our solution is one of the most efficient and powerful systems ever to be developed for commercial trucks."

The Allison AXE Series, a 2019 Automotive News PACE Award finalist, has a one million-mile design life for medium- and heavy-duty trucks. The system integrates one or two high-speed electric motors and a multi-speed transmission, eliminating the need for additional driveshafts and support structures. A dual-motor axle has a continuous power of 536 horsepower (400 kilowatts) and peak output power of 738 horsepower (550 kilowatts). A tandem axle configuration is also available for these vehicles. The system can handle 100 percent torque in regenerative braking. The complete integration of the AXE Series delivers increased efficiency and best-in-class continuous power through superior internal cooling.

The AXE Series is available in single and dual motor options to package the entire electric powertrain inside a standard frame that exists in almost every global commercial truck including refuse trucks, school buses, and drayage and delivery trucks. This allows the AXE Series to be a bolt-in solution by design, ensuring efficiency in the installation process.

About Allison Transmission

Allison Transmission (NYSE: ALSN) is the world's largest manufacturer of fully automatic transmissions for medium- and heavy-duty commercial vehicles. Allison transmissions are used in a variety of applications including refuse, construction, fire, distribution, bus, motorhomes, defense and energy. Founded in 1915, the company is headquartered in Indianapolis, Indiana, USA and employs approximately 2,900 people worldwide. With a market presence in more than 80 countries, Allison has regional headquarters in the Netherlands, China and Brazil with manufacturing facilities in the U.S., Hungary and India. Allison also has approximately 1,400 independent distributor and dealer locations worldwide. For more information, visit allisontransmission.com.

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