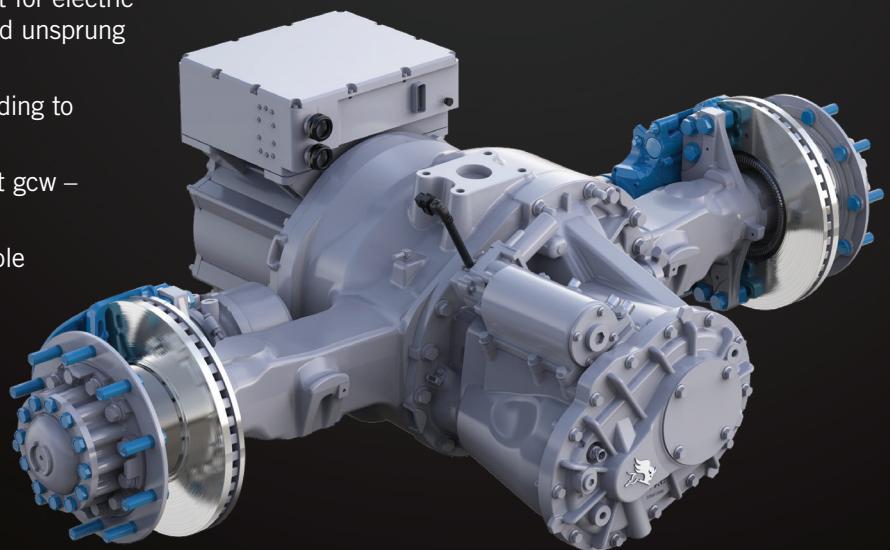


17Xe™ ePOWERTRAIN

FEATURES

- Power dense design delivers up to 430 kW continuous power meeting all heavy duty power requirements
- Innovative straddle-style architecture for motor and transmission enables packaging within existing chassis with little or no modification for ease of integration
- ePowertrain architecture also contributes to better management of unsprung mass, maximizing ride and handling
- Integration of key components to deliver premium performance:
 - 2 or 3-speed transmission meets or exceeds performance requirements and maximizes system efficiency for longer vehicle range
 - Inverter with SiC MOSFETs maximizes efficiency and reliability while eliminating phase cables, saving cost
 - eOptimized brakes and rotors, purpose built for electric vehicle duty cycles offer reduced weight and unsprung mass for better ride performance
- Designed for maximum regenerative braking adding to overall system efficiency
- Conventional wheel-ends can be used up to 44t gcw – hub reduction up to 65t+ gcw
- Intelligent PCM and software allow programmable shifting, acceleration and deceleration management and limited slip control
- Features eOptimized™ hypoid gearing to maximize efficiency, performance and flexibility



SPECIFICATIONS

Continuous Power Range	290 kW, 360 kW and 430 kW
Peak Power	Up to 450 kW
GAWR Range per Axle	25,353 – 30,000 lbs. (11.5T – 15T)*
Applications	Suitable for 4X2, 6X2 and 8X2 Vehicles
High Voltage Range	750V – 850V
Functional Safety Rating	ISO-26262 / Target to Achieve ASIL-C
Ingress Protection	IP6K9K

* Customizable GAWR could be investigated

SOLUTIONS FOR A WIDE RANGE OF APPLICATIONS

Our deep understanding of customer needs enables us to create products that can do what needs to be done. No matter what class, segment or rating, Meritor® Blue Horizon™ helps you deliver more efficiently than ever.

- 12Xe
- 14Xe
- 17Xe

ePowertrain Platform Coverage

Motor Continuous Power Rating		130 kW	150 kW	180 kW	200 kW	290 kW	360 kW	430 kW
12Xe	1-Speed No Hub Reduction (HR) 17.5" Wheels	Class 4 Step Van	14-16k lbs	CL4	16-19k lbs	CL5	19-26k lbs	CL6
12Xe	2-Speed, No HR 17.5" Wheels	8m Shuttle Bus	14-16k lbs	CL7	19-26k lbs	CL7	26-33k lbs	CL7
12Xe	2-Speed, With HR 17.5" Wheels	Class 6 P&D	14-16k lbs	CL8	19-26k lbs	CL8	26-33k lbs	CL8
14Xe	3-Speed, No HR Single Axle	10m Transit Bus	14-16k lbs	CL8	19-26k lbs	CL8	26-33k lbs	CL8
14Xe	3-Speed, With HR, Tandem Axles	School Bus	14-16k lbs	CL8	19-26k lbs	CL8	26-33k lbs	CL8
17Xe	3-Speed, No HR Single Axle	NA 40ft / EU 12m Transit Buses	14-16k lbs	CL8	19-26k lbs	CL8	26-33k lbs	CL8
17Xe	3-Speed, With HR, Single Axle	EU Medium P&D	14-16k lbs	CL8	19-26k lbs	CL8	26-33k lbs	CL8
17Xe	3-Speed, With HR, Single Axle	EU Heavy Distribution (4x4 ton)	14-16k lbs	CL8	19-26k lbs	CL8	26-33k lbs	CL8
17Xe	3-Speed, With HR, Single Axle	EU Heavy Distribution (4.4 ton)	14-16k lbs	CL8	19-26k lbs	CL8	26-33k lbs	CL8