

eBEAM – Electric Axle Drive System

Structure oriented design to support high payload vehicles with matching power for continuous duty usage



Features and Specifications

- Up to 250kW for 10sec and up to 9,600Nm at the wheels
- Reduction Ratio range; 12 – 18
- ePark lock and Locking Differential
- Fulfills ISO 26262 - ASiL “D”
- Can be applied to fuel cell and battery electric vehicles - Passenger / PUP-SUV / LCV
- Uses OEM suspension designs (leaf, coil, etc) and maintains full suspension travel

Core Technology

Inverter

- Optimized integrated design
- Rating_{Peak} to 450V_{dc} / 750A_{rms}
- Protection Class IP6K9K

Gearbox

- Single speed gearbox, i=12 - 18
- Co-axial architecture w ePark-lock

- Optional Locking Differential
- NVH Optimized to DIN3990

E-Motor

- 3 Phase Internal Permanent Magnet
- Continuous Operation, 130kW / 4600Nm
- High speed up to 16,000rpm

