

# eDrive

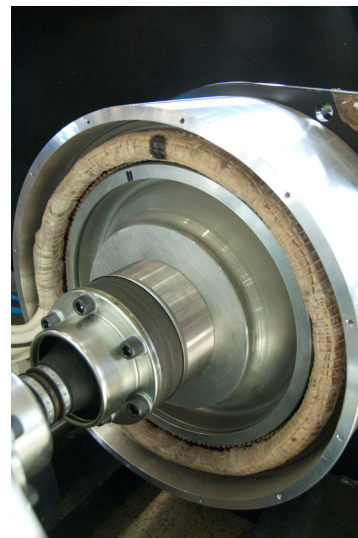
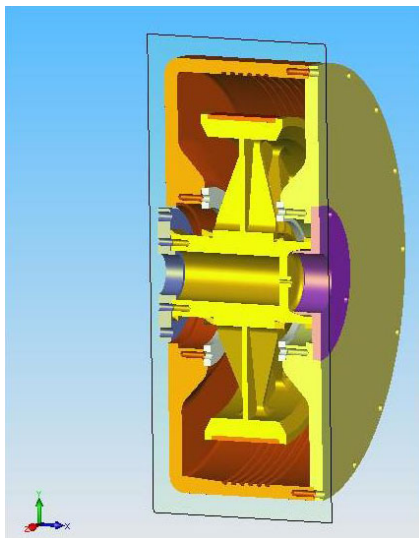
## Truck Line Motors



The E2M electric drive lines can be separated into two categories: Passenger line and Truck line. Both lines feature high efficient water cooled permanent magnet motors specifically designed for their application.

The passenger line motors are de-

signed to feature the highest possible power density (kW/kg). The truck line motor boasts the highest possible torque density (Nm/kg) for all motors, the housing can be customized to fit an existing design eliminating the need for extra brackets.



The truck line motor can be purchased in three versions. Actually it is almost the same motor but with three different torque ratings: 600, 1200 and 1800 Nm continuous torque. The S6 torque lies 50% higher.

These are low revving motors meant to be coupled to an automatic manual transmission. This arrangement offers large advantages over direct drive solutions for this weight category of vehicle.

### Features

- Highest possible torque density
- Highest possible efficiency
- Liquid cooling
- Sine commutated permanent magnet motor design

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## Truck Line Specifications

Specification	eDrive T1	eDrive T2	eDrive T3
Continuous torque (S1)	700 Nm	1400 Nm	2100 Nm
60% duty cycle torque (S6)	900 Nm	1800 Nm	2700 Nm
Maximum speed	2000 rpm	2000 rpm	2000 rpm
Continuous power (S1)	100 kW	200 kW	300 kW
Peak Power	140 kW	280 kW	420kW
Efficiency	97%	97%	97%
<b>Mechanical</b>			
Diameter	480 mm	480 mm	480 mm
Depth	190 mm	270 mm	360 mm
Weight	110 kg	160 kg	210 kg

## Example vehicle class

T1: light trucks, superbus (x4 direct drive)



T2: medium weight trucks, garbage trucks



T3: trailer trucks



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