

# Electric Wheel Hub Drives

## Introduction



### *Katsa – Geared for You*

For heavy Full Electric or Hybrid vehicles, Katsa has developed wheel hub drives by combining planetary gearbox design and innovative Permanent Magnet electric motor technology.

With this kind of technology it is possible to minimize exhaust emissions. This creates benefits especially in Underground Construction sites when the need for air-conditioning is significantly lower with minimal exhaust emissions.





# Electric Wheel Hub Drives

## Technical Specifications

- Input Power max 70 kW
- Input Torque max 800 Nm
- Input Speed max 3300 rpm
- Input integration designed Danfoss PM Motor with tailored mounting
- Output Torque max 5675 Nm
- Wheel Loads Radial max. 114kN, Axial max. 21kNm
- Output connection to wheel hub with PCD Ø540mm
- Gear ratio  $i = 30.86$
- Efficiency 97%-98%
- Housing material: Cast iron
- Weight approx. 400kg without motor



*Katsa – Geared for You*

