



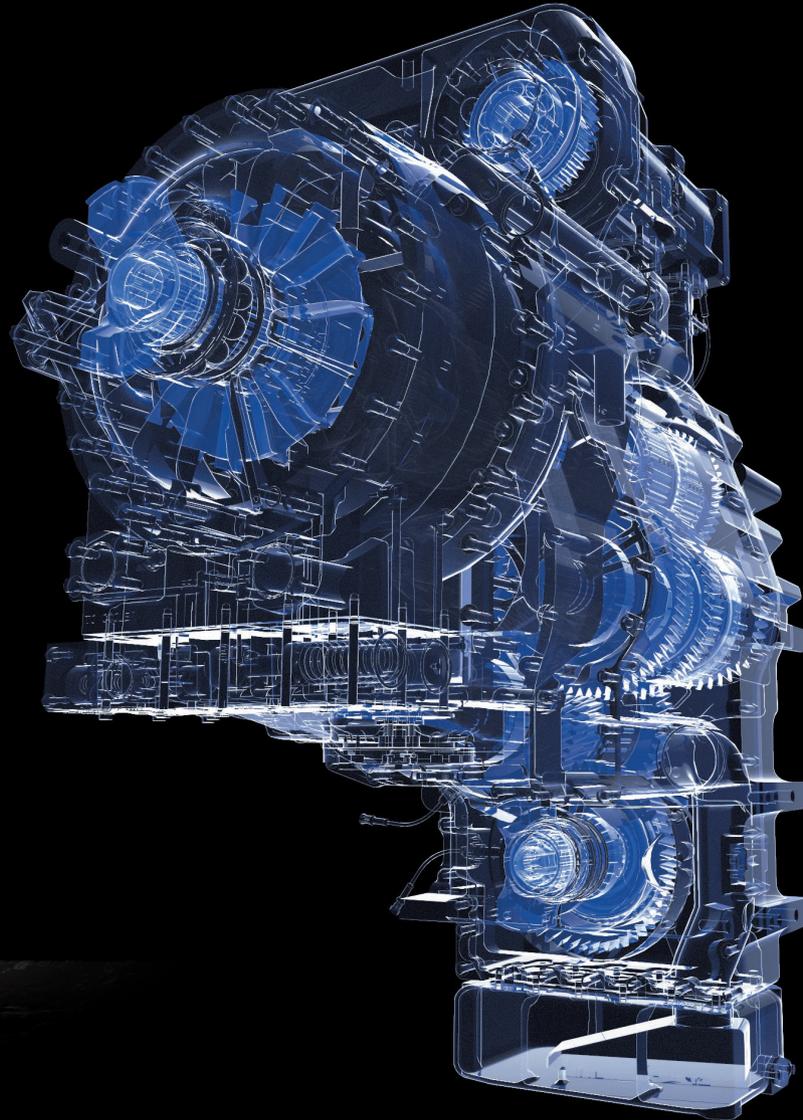
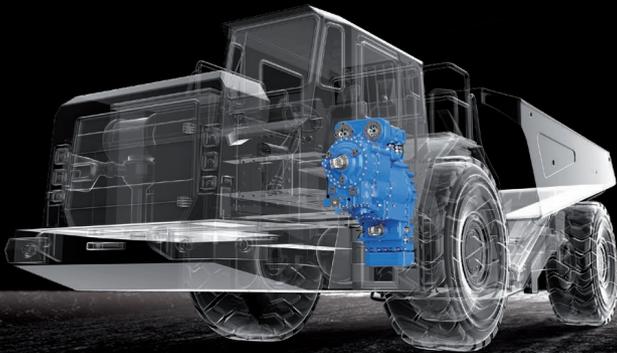
SPICER®

Drivetrain Systems

TE50

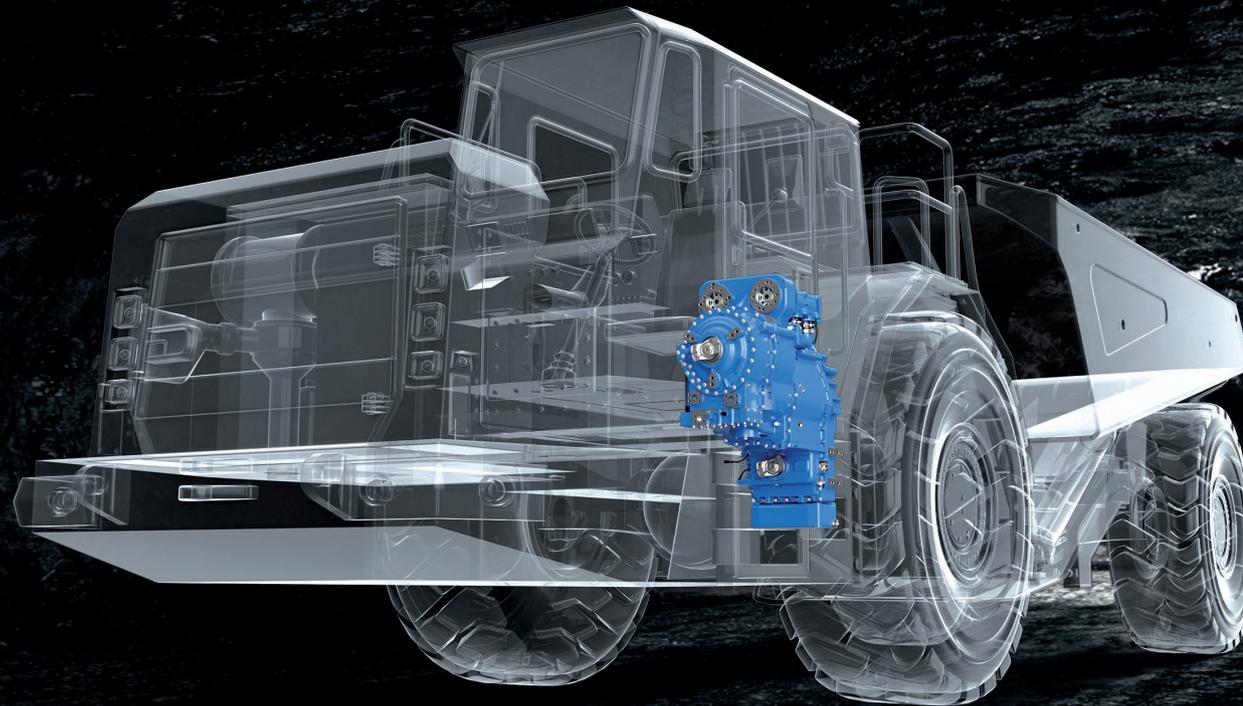
Advanced transmission for heavy-duty applications.

Inside performance



TE50

Built with underground mining applications in mind, the TE50 is a heavy-duty, hydrodynamic transmission engineered specifically for mining trucks, load haul dumpers and wheel loaders.



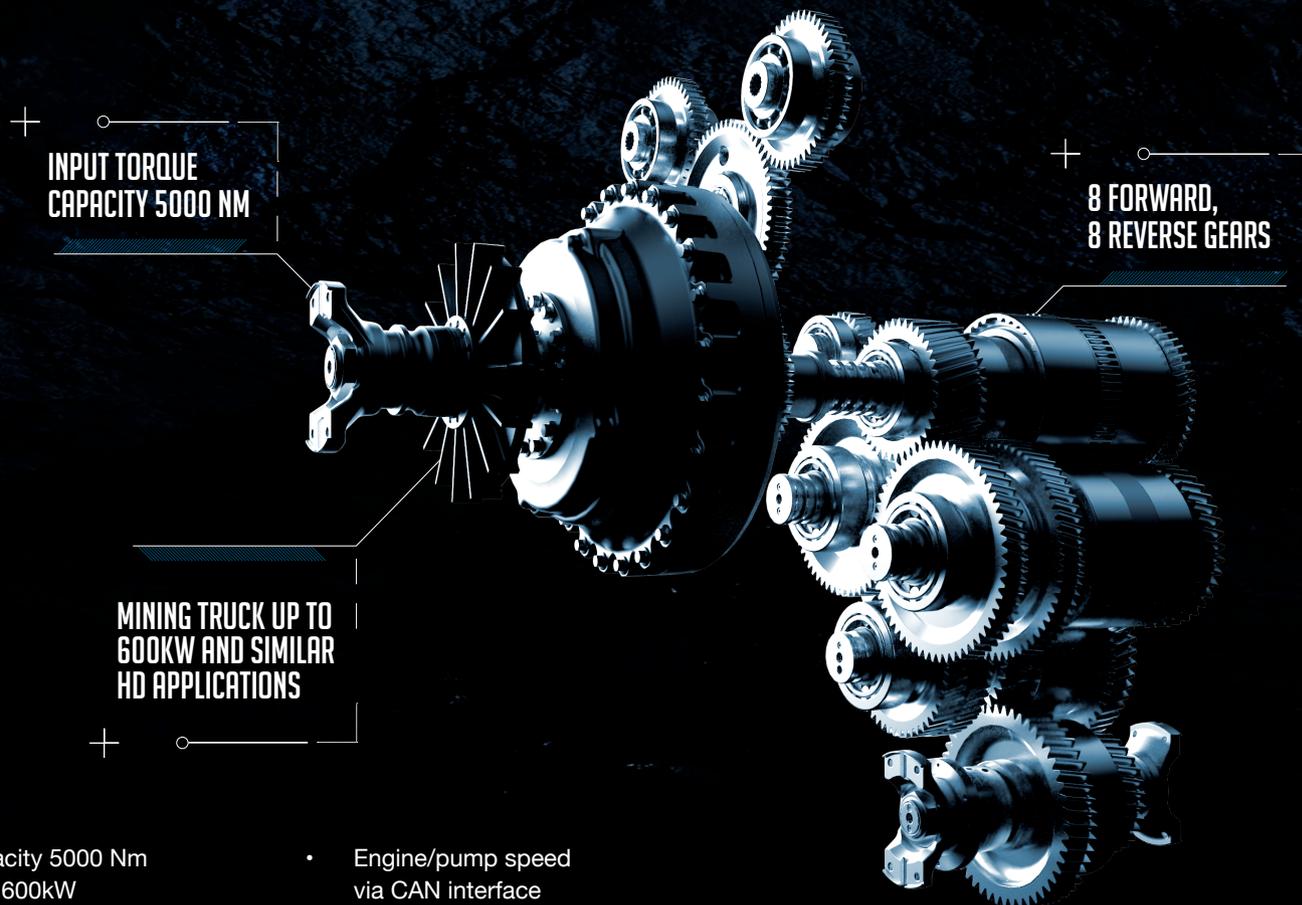
Key benefits include:

- > Improved fuel efficiency and smoother shifting
- > More precise vehicle handling and optimized braking
- > Greater operating comfort and improved safety
- > Reduced maintenance requirements, less downtime

Feel the Power

Handle the harshest underground mining conditions confidently

8 forward, 8 reverse gears
600kW driving power, integrated retarder



- Input torque capacity 5000 Nm
- Max power input 600kW
- Max input 2400 rpm
- Drop 686 mm (27")
- Flanges : 9C, T-180 (cross serrated)
- Optional retarder with 425kW capacity
- Engine/pump speed via CAN interface
- Turbine speed
- Intermediate 1 speed
- Intermediate 2 speed
- Output speed

Trust the Control

Let the APC 300 controller take care of your performance

Fully electronic controlled clutches and retarder



- Controller handling all clutch fillings and protection, can be used as master or slave
- Vehicle functions available
- Communication via CAN is foreseen to engine and vehicle controller
- Autoshift : speed based or load based
- Controlled modulation and inching
- Communication with engine or central vehicle controller via CAN
- Downshift protection
- Overspeeding upshifts
- Direction change protection
- Converter out temp protection
- System pressure protection
- Engine start at shift lever neutral
- Operator present protection
- Neutral lock protection
- Parking brake

Enjoy the Performance

Wider selection of gears enhances performance and increases equipment lifecycle



The TE50 is the benchmark transmission for high-power, off-highway applications, featuring either 8 forward / 8 reverse or 4 forward / 4 reverse gears.

The converter, with highly efficient aluminum cast bladings, is available with lockup for better performance and fuel efficiency. As an optional feature, the transmission can be equipped with an integrated retarder enabling selection of

the most suitable gear for optimal braking performance.

Automatic shifting, advanced automatic lockup action and automatic retarder functions are available.

The automatic functions, together with the electronically controlled clutch actuation, offer the driver superior driving comfort and maximum safety.



TE50

Inside performance

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Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.



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