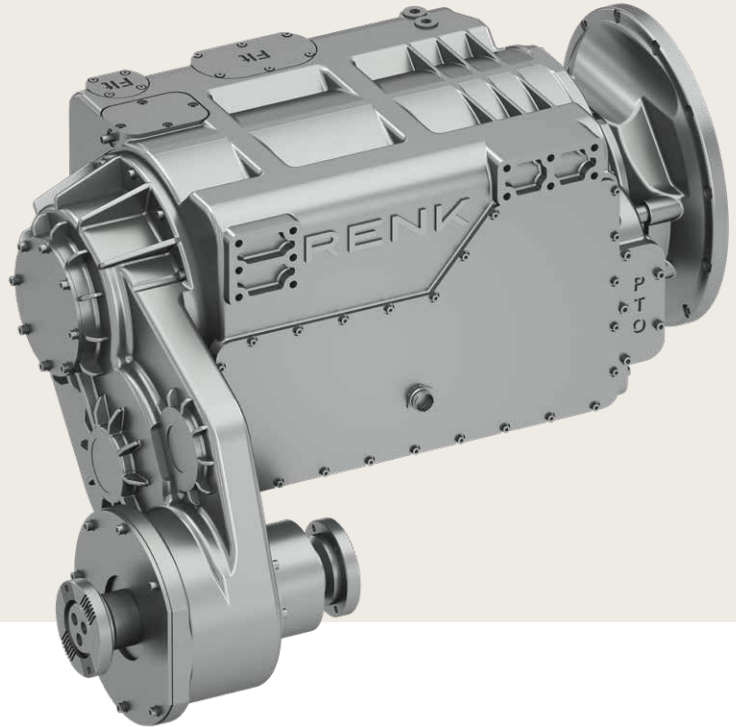


TRANSMISSIONS

ESM 280

- / Weight class
20-50 t
- / Power range
400-620 kW



The ESM 280 is a transmission designed for heavy wheeled armoured vehicles, featuring 8 speeds forward and 4 speeds reverse.

It is equipped with an electronically controlled start-up clutch oil-cooled and enables the connection of a range of power take-offs in order to meet the needs of various applications.

The ESM 280 offers great flexibility, with multiple configurations available to adapt to existing or future vehicles.



Reference Vehicles

- Wheeled armoured vehicles

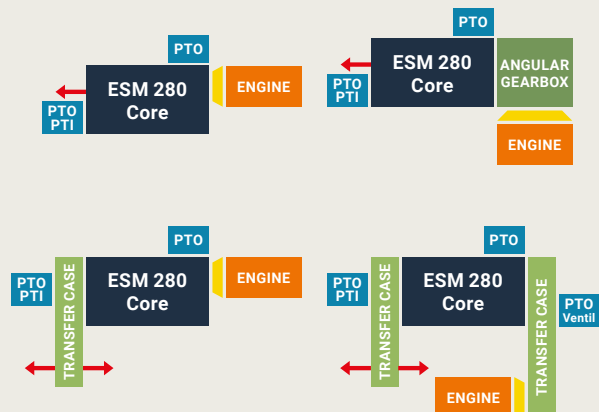
ESM 280

Features

- 4 reverse gears, reverse speed exceeding 30 km/h (max forward speed up to 100 km/h). Forward-to-reverse shift while moving in under 0.6 seconds
- Electronically controlled start-up clutch, oil-cooled
- Optional integrated retarder, oil-cooled multi-disk, electronically controlled
- Range pack based on the combat-proven ESM 350 (rated up to 50 tons), transferring battle-tested main battle tank technology to wheeled platforms
- 3 power take-offs (PTO) provisions, max 1 000 Nm
- Electronically controlled, oil-cooled multi-disc clutch: no slip, no power loss, no overheating. Designed for continuous load over a prolonged period
- Purpose-built military development: modular and adaptable, designed for a long service life
- Transmission package proven in intensive military service. Suitable for new vehicles and fleet modernisation without structural modifications

Technical Information (dependent on variant)

Dimensions (AxBxC)	1,000 x 600 x 550 mm
Maximum engine power	620 kW
Vehicle weight, typical	20-50 t
Power shift transmission	8 speed forward, 4 speed reverse
Overall ratio, mechanical	14.5 / 1.467
Transmission weight (dry)	550 kg



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