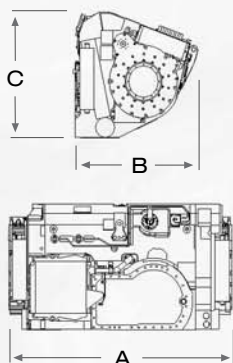
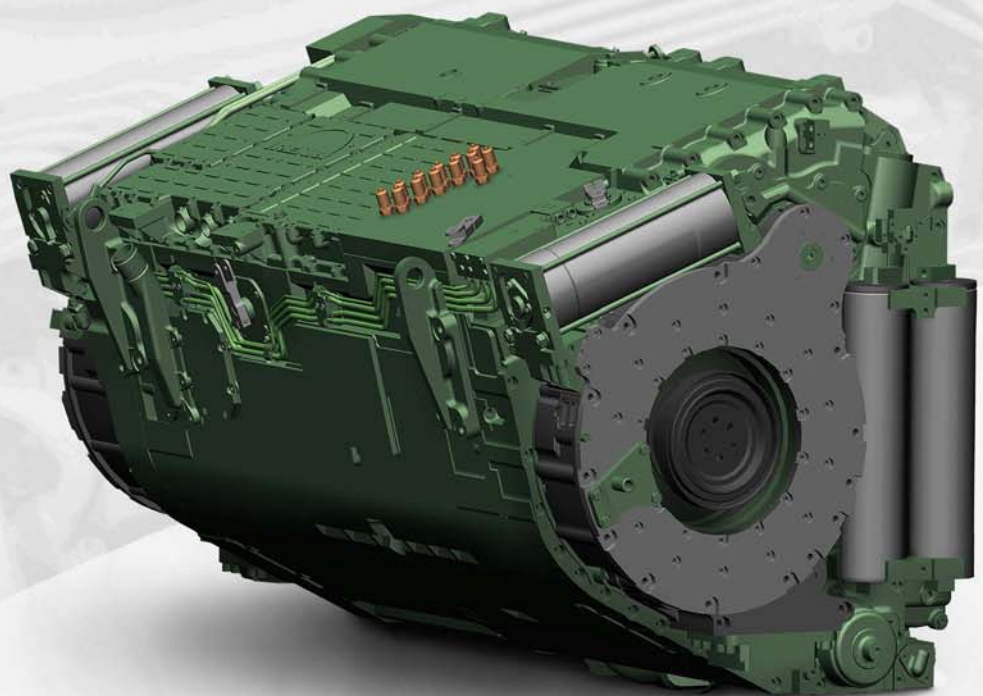


HSWL 256

RENK HSWL 256
for 45t class tracked vehicles
Power Range 500 - 800 kW

The design of this completely new developed, fully digital controlled transmission provides the maneuvering capability of the next generation heavy armoured APCs and support vehicles. With a mechanical gear ratio above 6.3 and its geometric gear gradation in 6 levels the HSWL 256 is the prime solution for high density diesel engines and/or parallel hybrid layouts.



Dimensions (AxBxC)	1,540 x 765 x 825 mm
Maximum engine power	800 kW (1,070 HP)
Vehicle weight, typical	45t class
Power shift transmission	6 speed forward 6 speed reverse
Overall ratio mechanical	6.3
Stall torque ratio	2.3
Transmission weight (dry)	1,700 kg
Brake system	integrated, high performance

Technical Characteristics

- Direction of output shaft rotation forward/reverse is freely selectable
- Front or rear vehicle installation
- Powerpack design
- Transmission fully electronically controlled
- Suitable also for parallel hybrid drives
- Manual and fully automatic power shifting with electrical remote control
- Mechanical emergency gear shift system
- Torque converter with automatic lock-up clutch
- Infinitely variable hydrostatic/hydrodynamic superimposed steering system
- Pivot turn and neutral turn around the vertical vehicle axis at infinitely variable speed
- Hydrodynamic/mechanical dual circuit integrated brake system
- Secondary side heavy duty retarder for service brake and sustained braking action
- Service and parking brake
- Engine can be started by towing the vehicle

Reference Vehicles



APC PUMA

- Armoured Personal Carrier PUMA (43t, Germany)



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