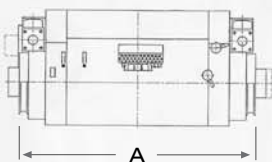
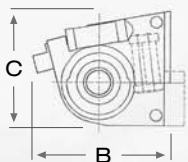


# HSWL 295

RENK HSWL 295  
for 60t class tracked vehicles  
Power Range 500 - 1,200 kW

The HSWL 295 is the transmission of choice for main battle tanks arranged in U-configuration with the engine across the vehicle. Highly proven in desert operation it features five speeds forward and reverse. The transmission was developed to meet the available installation space of all modern tanks.



|                           |                                    |
|---------------------------|------------------------------------|
| Dimensions (AxBxC)        | 1,650 x 774 x 816 mm               |
| Maximum engine power      | 1,200 kW (1,600 HP)                |
| Vehicle weight, typical   | 60t class                          |
| Power shift transmission  | 5 speed forward<br>5 speed reverse |
| Overall ratio mechanical  | 6.2                                |
| Stall torque ratio        | 2.5                                |
| Transmission weight (dry) | 2,400 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
- 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
- Power-take-off
- Power-take-off for fan drive with fully digital speed control and cut off
- Engine can be started by towing the vehicle

## Reference Vehicles



MBT LECLERC Tropicalisé

- Main Battle Tank LECLERC Tropicalisé (56t, UAE)
- Main Battle Tank LECLERC Tropicalisé (56t, Qatar)
- Armoured Recovery Vehicle LECLERC REC (59t, France)
- Main Battle Tank CHALLENGER 2E (63t, Demoversion)
- Main Battle Tank DESERT CHALLENGER 2E (63t, Demoversion)
- Main Battle Tank M1 ABRAMS (63t, Demoversion)
- Main Battle Tank LEOPARD 2 (55t, Demoversion)



MBT M1 Abrams



MBT DESERT CHALLENGER 2E



RENK Aktiengesellschaft  
Gögginger Straße 73  
D-86159 Augsburg

Phone: +49 (821) 57 00-557  
Fax: +49 (821) 57 00-595  
E-Mail: [Finfo@renk.biz](mailto:Finfo@renk.biz)  
Internet: [www.renk.biz](http://www.renk.biz)

RENK is a member of the MAN group