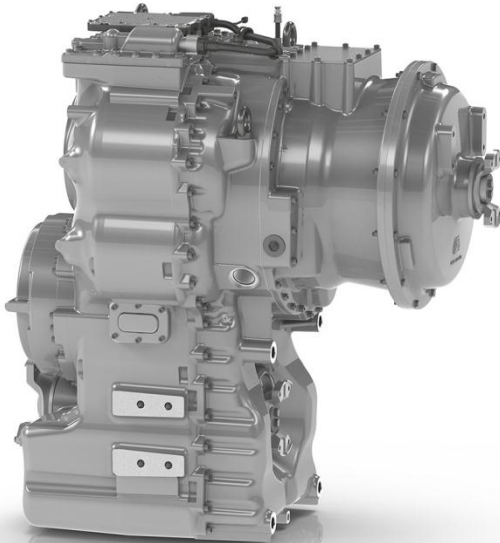


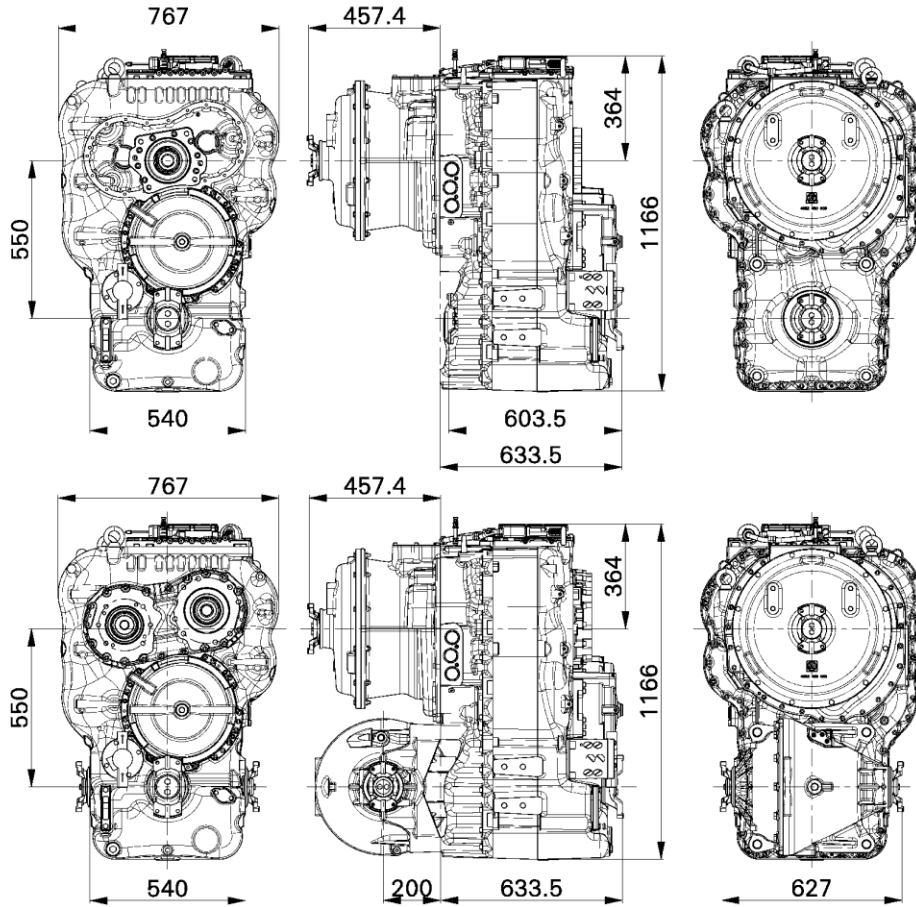


ERGOPOWER LII

The automatic powershift transmission ZF ERGOPOWER LII has been specially developed for ADTs (articulated dump trucks) with a gross weight of up to 82,000 kg and an engine power of up to 400 kW. The stresses in operational use demand the highest level of ruggedness and reliability from all components. Short loading cycles and safe transport at maximum tractive effort in difficult terrain are characteristics displayed by high-performance ADTs. With the ERGOPOWER LII, ZF meets all requirements of today's ADT generations, above all with regard to efficiency and economy.



- Up to 20% fuel saving
- 8 gears forward, 4 gears reverse
- Wide overall transmission ratio (10.9)
- Uniform gear steps (1.4)
- On-board electronics
- Engine speed reduced by up to 15%
- Powershift longitudinal differential 1:2
- Retarder brake torque can be continuously varied between
- 0 and 1800 Nm
- Front drive unit optionally with hydraulic multi-disk differential
- (DHL 100%) or self-locking
- multi-disk differential (DL 40%)



		8 EP 320	8 EP 370	8 EP 420	8 EP 470	8 EP 520
Engine power ¹⁾	kW	250	300	350	375	400
Engine speed max.	min ⁻¹	2,200	2,200	2,200	2,200	2,200
Transmission input torque ¹⁾	Nm	1,800	2,200	2,500	2,550	2,550
Retarder brake torque max.	Nm	1300	1600	1600	1800	1800
Gross vehicle weight	kg	52,000	62,000	70,000	77,000	82,000
PTO torque max.	Nm	1,800	1,800	1,800	1,800	1,800
Oil fill quantity approx.	l	40	40	40	40	40
Transmission weight approx. *incl. axle drive	kg	1,200 1,400	1,200 1,400	1,200 1,400	1,200 1,400	1,200 1,400

¹⁾ Net values, including ZF standard deductions for pumps etc.
(ZF standard deductions: 10% of rated power less transmission pump)