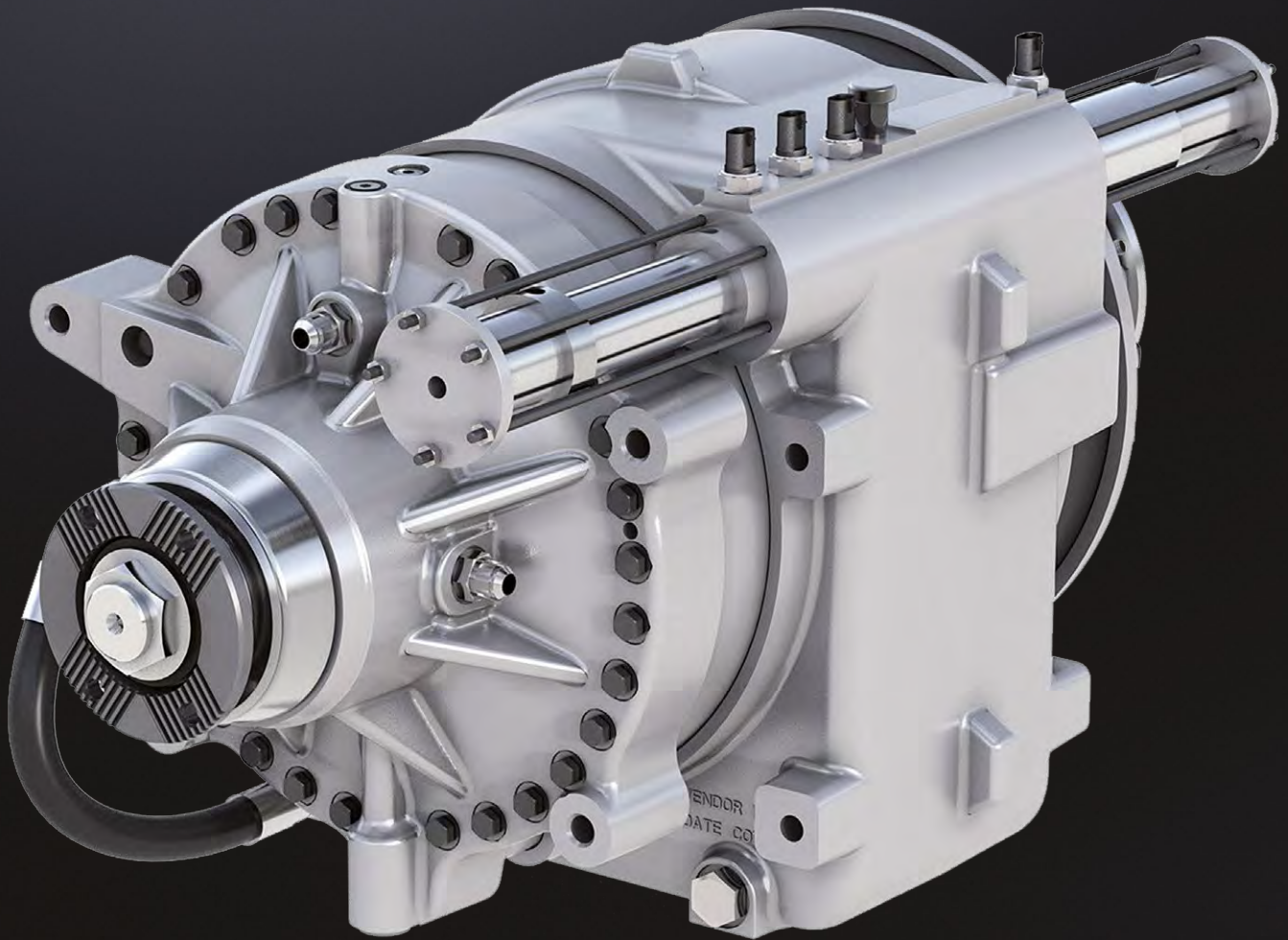


# MERITOR® FAT-30™ AUXILIARY TRANSMISSION



Extreme-duty vocational vehicles need an auxiliary transmission suited for a variety of on- and off-highway applications including logging, mining, heavy haul, oil field and military. Meritor's rugged FAT-30™ auxiliary transmission can handle 30,000 ft-lbs (40,675 Nm) of input torque.



FAT-30™ AUXILIARY TRANSMISSION SPECIFICATIONS		
Ratings (Nominal)*	Input Torque	30,000 ft-lbs (40,675 Nm)
	Input Horsepower	600 HP (447 kW)
	Input Speed	3,000 RPM
Ratio	Direct	1.00:1
	Underdrive	2.50:1
	Overdrive	0.86:1
Gear Type	Planetary spur and helical	
Shaft Sizes	Input	3.0 inch, Meritor-installed
	Output	Drive yokes standard
Shift Mechanism	Integral air cylinders	
Bearings	Ball, needle, and tapered bearings	
Lubrication System	Lubrication pump with internal reservoir	
Lubricant Type	75W90 synthetic GL4/5	
Oil Capacity (Nominal)**	Approximately 14 qts (13.24 L)	
Housing	Cast iron	
Dry Weight (approx.)	975 lbs (442 kg)	
Options	Two-speed - with overdrive removed KV180 and 1810 Spicer companion flanges	

\* All ratings nominal. Application ratings and approvals determined upon review of standard chassis and vocational data by Meritor Engineering.

\*\* Final oil volume depends on customer installation and incorporation of oil cooler circuit (if required).

# FEATURES AND BENEFITS

- Robust, cast iron housing with severe-duty installation package
  - Mounts like a traditional transfer case and remains secure in the most intense environments
- Planetary gearing
  - Provides quiet, smooth operation
- Advanced cooling system
  - Prevents overheating
- Broad ratio spread
  - Offers high reduction for severe off-highway applications and overdrive, designed for high speeds and fuel efficiency for on-highway.



Meritor Heavy Vehicle Systems, LLC  
2135 West Maple Road  
Troy, Michigan 48084 USA

Call 1-866-668-7221  
or visit meritor.com

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