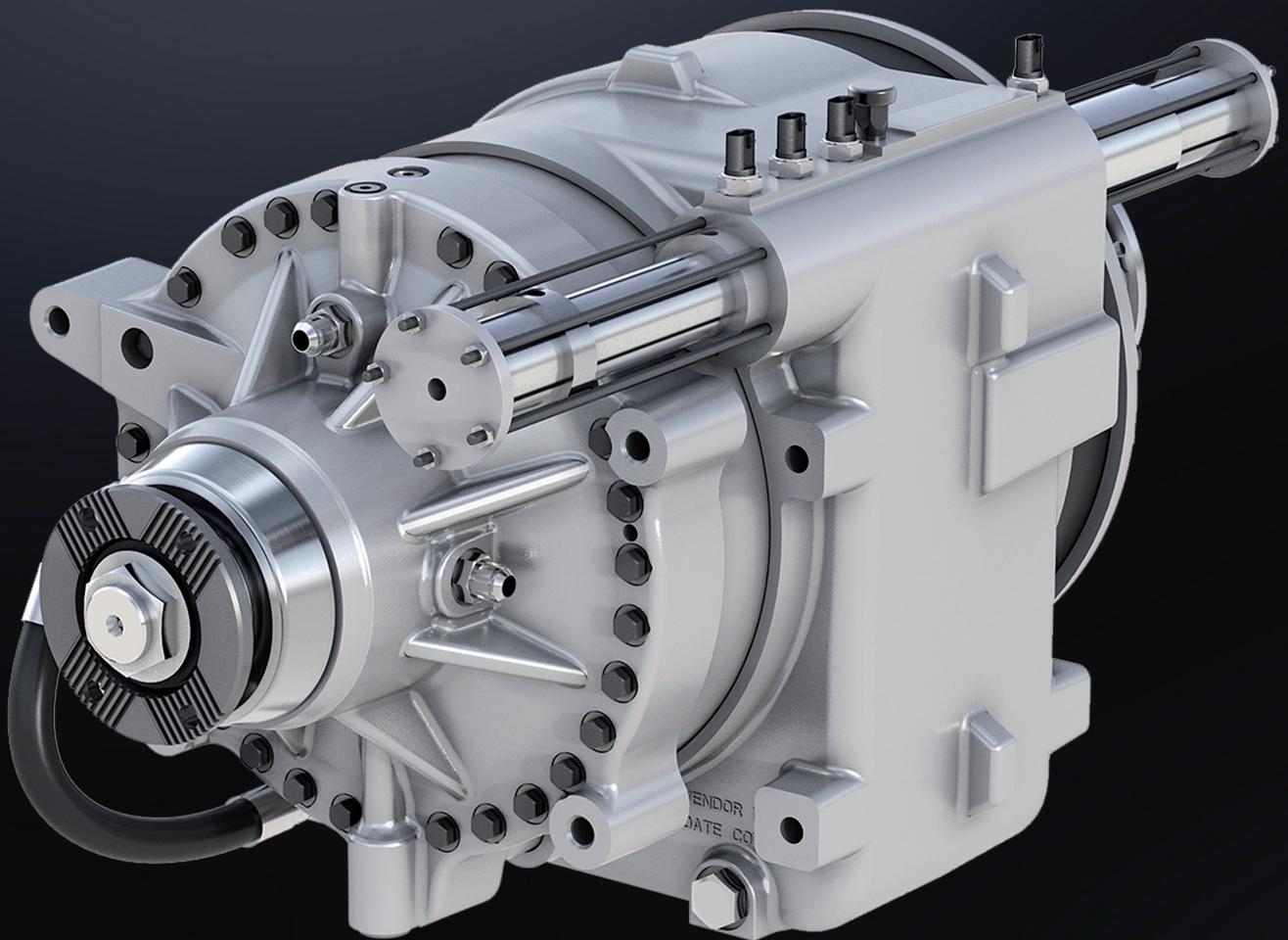


FAT-30™ AUXILIARY TRANSMISSION



Meritor

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. Cummins-Meritor's rugged FAT-30 auxiliary transmission can handle 30,000 foot-pounds (40,675 Newton-meters) 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	1:1
	Underdrive	2.5:1
	Overdrive	0.86:1
Gear type		Planetary spur and helical
Shaft sizes	Input	3 in, Cummins-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		Approximately 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 Cummins-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



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