



RUGGED. DURABLE. RELIABLE.

Fabco's 30,000 ft-lbs Auxiliary Transmission

Fabco's rugged new auxiliary transmission, called the "FAT-30," provides maximum versatility for on- and off-highway applications. This auxiliary transmission can handle 30,000 ft-lbs of input torque, giving it the highest torque rating in the industry at twice the capacity of other available products. Fabco's FAT-30 is available in both two- and three-speed pneumatically shifted models and can be teamed with both manual and automatic transmissions.

The range of available ratios delivers performance:

- High reduction for rough off-road use and extreme on-highway heavy hauls
- Speed, fuel economy, and less wear in overdrive for highway operation

The FAT-30's proven reliability and durability is reflected in its robust cast-iron housing design which mounts like a traditional transfer case. The planetary gearing provides quiet, smooth operation along with compact installation to any commercial vehicle chassis. The FAT-30 comes standard with a top-mount eight-bolt PTO pad.

Typical vocational applications for the FAT-30 include extra heavy-duty on- and off-road vehicles for specialized heavy haul, oil field rig moving, mining, forestry, and agriculture, as well as stationary power transmission equipment requiring additional high-torque reduction.



FEATURES	BENEFITS
30,000 ft-lbs input torque rating	Vehicle performance and durability
Two- and three-speed models	Wide ratio coverage
Underdrive 2.5:1 low ratio	Increased gradeability and payload
0.86:1 overdrive ratio (three-speed)	Fuel economy; higher top speed
Pneumatic shift	Driver-friendly ergonomics
Planetary gearing	Compact, quiet, smooth operation
Transfer-case style mounting	Easy retrofit upgrades in vehicles
8-bolt PTO mounting pad	Increased body-builder versatility
Optimized housing and gear design	High reliability; long service life
Optional controls package	Turnkey retrofit solution



Specifications

Ratings – Nominal *

Input Torque	30,000 ft-lbs
Input Horsepower	600 HP.
Input Speed	3,000 RPM

Ratio

Direct	1.00:1
Underdrive	2.50:1
Overdrive	0.86:1

Gear Type Planetary spur

Shaft Sizes

Input/Output	3.0 Inch, Fabco-installed Drive yokes standard
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PTO Mounts Standard SAE 8-bolt top mount pad

Shift Mechanism Integral air cylinders

Bearings Ball and needle bearings

Lubrication System Lubrication pump with internal reservoir

Lubricant Type 75W90 synthetic GL4/5

Oil Capacity (Nominal) ** 14 qts. (approx.)

Housing Cast iron

Weight-Dry (estimated) 975 lbs

Options

- Two-speed - with overdrive removed
- SPL, 10-Series or other drive yoke/flange types

* All ratings nominal. Application ratings & approvals determined upon review of standard chassis & vocational data by Fabco Engineering.

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

Highlights

