Fabco





© 2014 Fabco Automotive Corporation

151 Lawrence Drive Livermore, CA 94551 Phone: +1 (925) 454-9500 Fax: +1 (925) 454-9501 12623 Newburgh Road Livonia, MI 48150 Phone: +1 (248) 477-9900 Fax: +1 (734) 293-0031 Werkstraße 13 A-4451 St. Ulrich bei Steyr Phone: +43 7252 73562 - 0 www.rcushman.com www.fabcoautomotive.com www.ghm-transmission.at

# 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



# Fabco FAT-30

## **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
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

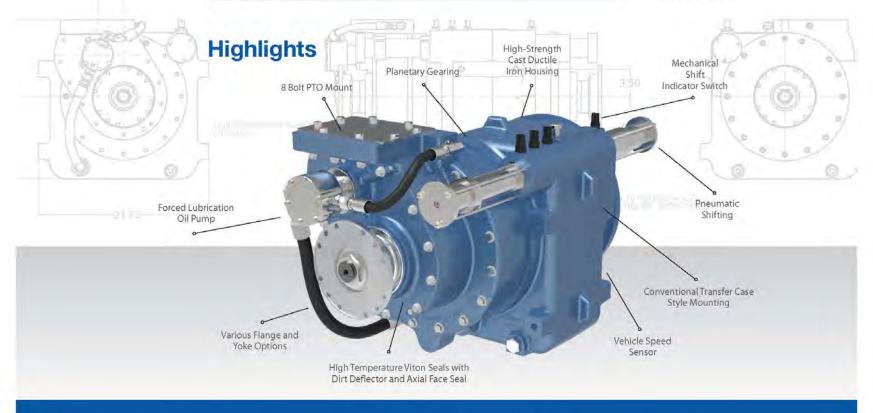
#### Options

 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).



© 2014 Fabco Automotive Corporat Printed in USA 08/20/14 V1 400-828 151 Lawrence Drive Livermore, CA 94551 Phone: +1 (925) 454-9500 Fax: +1 (925) 454-9501 12623 Newburgh Road Livonia, MI 48150 Phone: +1 (248) 477-9900 Fax: +1 (734) 293-0031

Werkstraße 13 A-4451 St. Ulrich bei Steyr Phone: +43 7252 73562 - 0

www.rcushman.com www.fabcoautomotive.com www.ghm-transmission.at