

CHELSEA® 288 SERIES

Constant Mesh 10-Bolt PTO for Allison 3000/4000 Transmissions

The 288 Series is a 10-Bolt, constant mesh PTO design which features wider gears and larger capacity bearing to provide a single, continuous duty torque rating of up to 390 lb-ft. The 288 Series is now built with ductile iron bearing caps, which are 117% stronger than its predecessor. It also features an o-ring sealing configuration between the housing and bearing cap to improve clamp load. These improvements are focused on reducing the damaging vibrational effects caused by today's and future engine designs. The standard output shaft features positive stop for driveline outputs which eliminates oil seal damage from shaft couplings. Wet Spline technology is available for the 288 Series, which prevents premature spline fretting and increases pump shaft life by providing a fresh, clean flow of oil through the PTO and pump shaft.

Applications:

- Snow and Ice Trucks
- Vacuum Trucks
- Aerial Trucks
- Refuse Trucks

Product Features and Benefits:

- Ductile Iron Bearing Cap – 117% stronger than gray iron.
- Improved Seal – O-ring sealing configuration to reduce vibrational effects and improve clamp load.
- Torque – Features a single, continuous duty torque rating.
- Constant Mesh – Economical workhorse features a cast iron housing.
- Clearance – Interference issues have been reduced with rotatable, cast iron flanges.
- Positive Stop – Driveline outputs; eliminates oil seal damage from coupling.
- Protection – Wet Spline Lubrication option provides 7 to 10 times greater shaft life.
- Speeds – Multiple ratios including low and high speeds.
- Hose Included – No need to order separately.

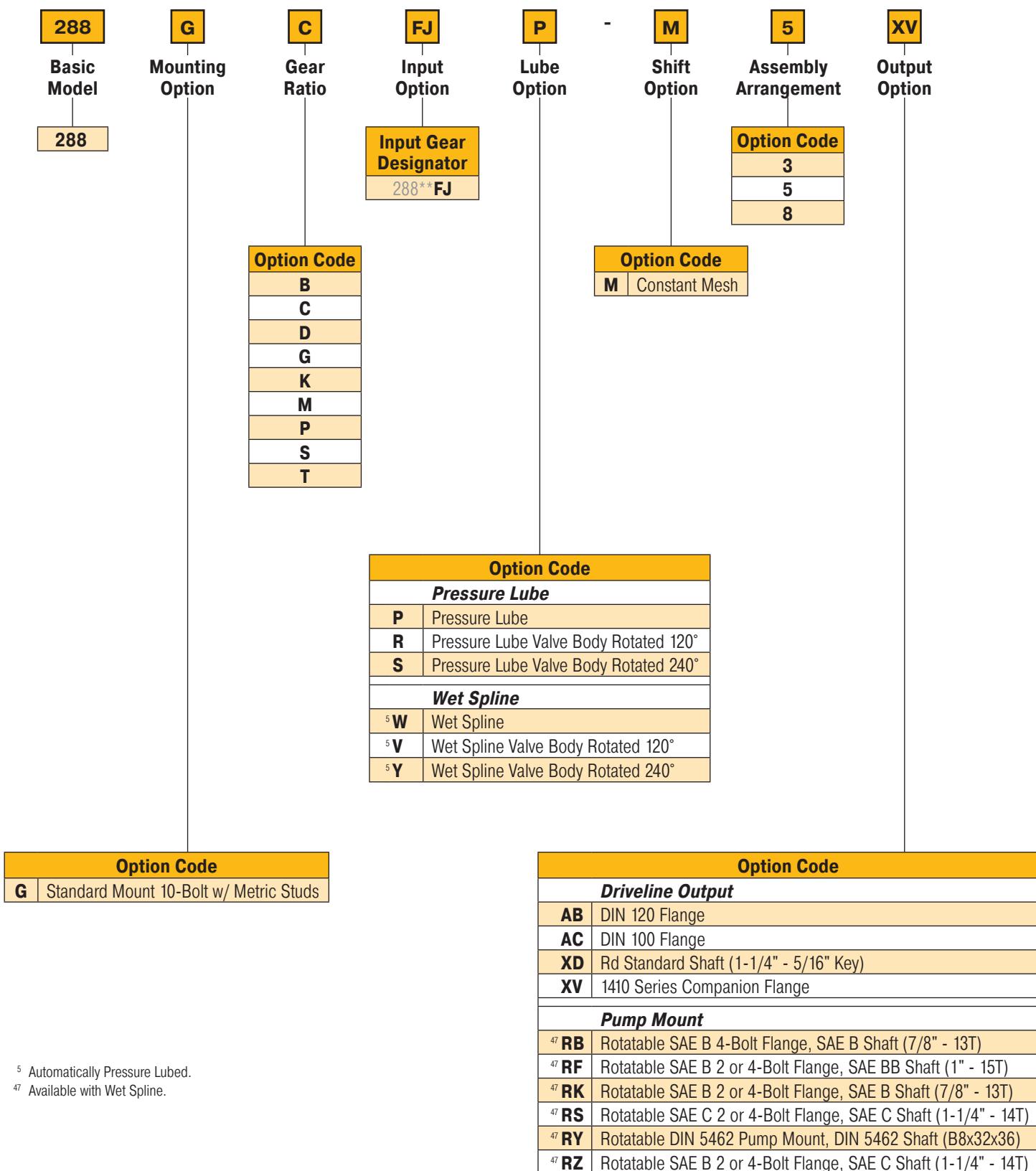


288 Series



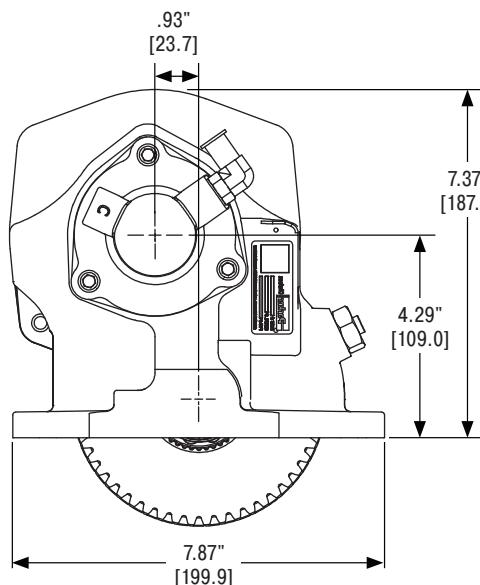
288 Series Power Take-Off – Allison

Model Number Designator

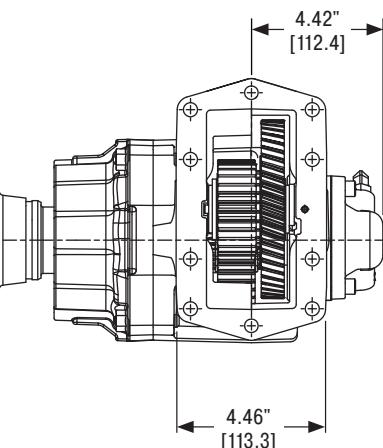


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Dimensions & Specifications – For PTO output information see application catalog



Assembly 3



Assembly 8

Specifications Chart	Approximate Weight: 44 lbs. [20 kg]								
	288*B	288*C	288*D	288*G	288*K	288*M	288*P	288*S	288*T
Continuous Torque Rating lb-ft [N·m]	300 [407]	390 [529]	390 [529]	360 [488]	340 [461]	318 [431]	290 [393]	265 [359]	240 [325]
HP Rating for Continuous Service									
At 500 RPM of Output Shaft HP [kW]	29 [21]	37 [28]	37 [28]	34 [26]	32 [24]	30 [23]	28 [21]	25 [19]	23 [17]
At 1000 RPM of Output Shaft HP [kW]	57 [43]	74 [55]	74 [55]	69 [51]	65 [48]	61 [45]	55 [41]	50 [38]	46 [34]

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