

Form No.	Issue Date	Rev. Date
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**WATEROUS P SERIES CHAIN DRIVE TRANSMISSION**

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**DESCRIPTION: PTO DRIVEN CHAIN DRIVE FIRE PUMP TRANSMISSION**

***P SERIES TRANSMISSIONS ARE AVAILABLE AS FOLLOWS:***

*Table 1. P Series Transmissions*

Model	For Allison Transmission Model	Driveline		For Pumps Rated	Used on Pump Models	Dimensional Drawing
		Size	Spline			
PA	MD & HD 10 Bolt PTO's	1-1/2 in.	1-1/2-10 SAE	500 - 1500 GPM 1893 - 5678 L/min	CM, CS, CGVG, CGV, CXS, CXV, CXN, CLR, CLS, CLV, S100	DPL82080

***SPECIFY A COMPLETE PA SERIES TRANSMISSION AS FOLLOWS:***

**TRANSMISSION MODEL**

Model PA, add to basic pump model. Examples: **CMPA, CGVGPA, CLSPA**

**INPUT SHAFT (Driveline)**

Standard: 1-1/2-10 SAE spline

**NOTE:** Refer to the PTO's continuous duty torque rating to calculate the maximum pump capacity.

**RATIO**

Specify one of the following:

1.70, 1.90, 2.10

**TACHOMETER CONNECTION**

Standard: Complete electronic  
Optional tachometer cable: yes or no

**OPTIONAL REAR FACING OUTPUT SHAFT**

Standard: Without

Optional: 1-3/8 - 10 SAE spline for Spicer 1280 or 1310 series end yokes  
Waterous does not furnish end yokes.  
Available on CM and CS pump models only.

Optional: 1-1/4 in. Keyed shaft for driving a compressor  
Waterous does not furnish pulley  
Available on CXVPA and S100PA models only.