



# Data Sheet

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<b>DS-2004</b>	<b>04/19/96</b>	<b>1/25/22</b>

## WATEROUS P SERIES CHAIN DRIVE TRANSMISSION

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

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

Table 1. P Series Transmissions

Model	Designed to Mount to Allison Transmission	Driveline		May be used for Pumps		Dimensional Drawing
		Size	Spline	Rated	Models	
PA	MD & HD 10 Bolt PTO's	1-1/2 in.	1-1/2-10 SAE	500 - 1500 GPM 1893 - 5678 L/min (See Capacity Note)	CGV, CGVG CM, CS CLS, CLV CXN, CXS, CXV S100	DPL82080

**Capacity Note:** Refer to the vehicle PTO continuous duty torque rating to calculate the maximum pump capacity available.

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

**Transmission Model:**

Add Model PA to the Pump Model  
Examples: CGV**PA**, C**MPA**, CL**SPA**, CX**NPA**, S100**PA**

**Driveline Type:**

Input Shaft Only or Input and Output Shaft

**Input and Output Shaft Note:** Output end of shaft is used to drive additional OEM supplied equipment such as an air compressor. Note that the transmission does not have a shift unit so the output shaft will be live whenever the pump is engaged.

**Ratio:**

1.00, 1.70, 1.90 and 2.10 ratios are available

**Tachometer:**

Electronic is available for all configurations except Input and Output Shaft driveline.  
An optional 10 foot Tachometer Cable is available.

**Optional Rear Facing Output Shaft:**

1-3/8 - 10 Splined Shaft, available with CM and CS Pump Models only  
SAE Class B 2-Bolt Hydraulic Flange, available with CXN, CXS and CXV Pump Models only