



Data Sheet

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DS-2004	04/19/96	3/23/23

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, HLU	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: CGVPA, CMPA, CLSPA, CXNPA, S100PA

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