

CHELSEA® 899 SERIES

Constant Mesh PTO for Allison 4700 Transmissions

The 899 Series Power Take-Off (PTO) is mounted between the transmission and the frame rail of the truck. It mounts like a standard side mounted PTO with an additional bracket at the rear of the transmission. It places the output of the PTO beyond the rear of the transmission where there is extra space. The 899 Series is a single unit, not a PTO with an extension. The main shaft is one piece eliminating the input splines between the PTO and the shaft extension. The 899 is a constant mesh PTO and an excellent choice for variable displacement piston pumps. The output utilizes a wet spline which eliminates fretting problems.

Applications:

- Refuse
- Fire & Rescue
- Sewer Sanitation
- Aerial
- Oil & Mining

Product Features and Benefits:

- Pump Clearance – Moves the PTO output flange to the rear of the transmission.
- Compact – Requires less space than current PTOs.
- Power – Torque ratings up to 670 lbs-ft.
- Ratio Choices – Multiple output ratios available.
- Ease of Installation – Installed in two pieces.
- Single piece shaft – Solid steel shaft.
- Wet Spline outputs – Extends shaft life for Pump & PTO.

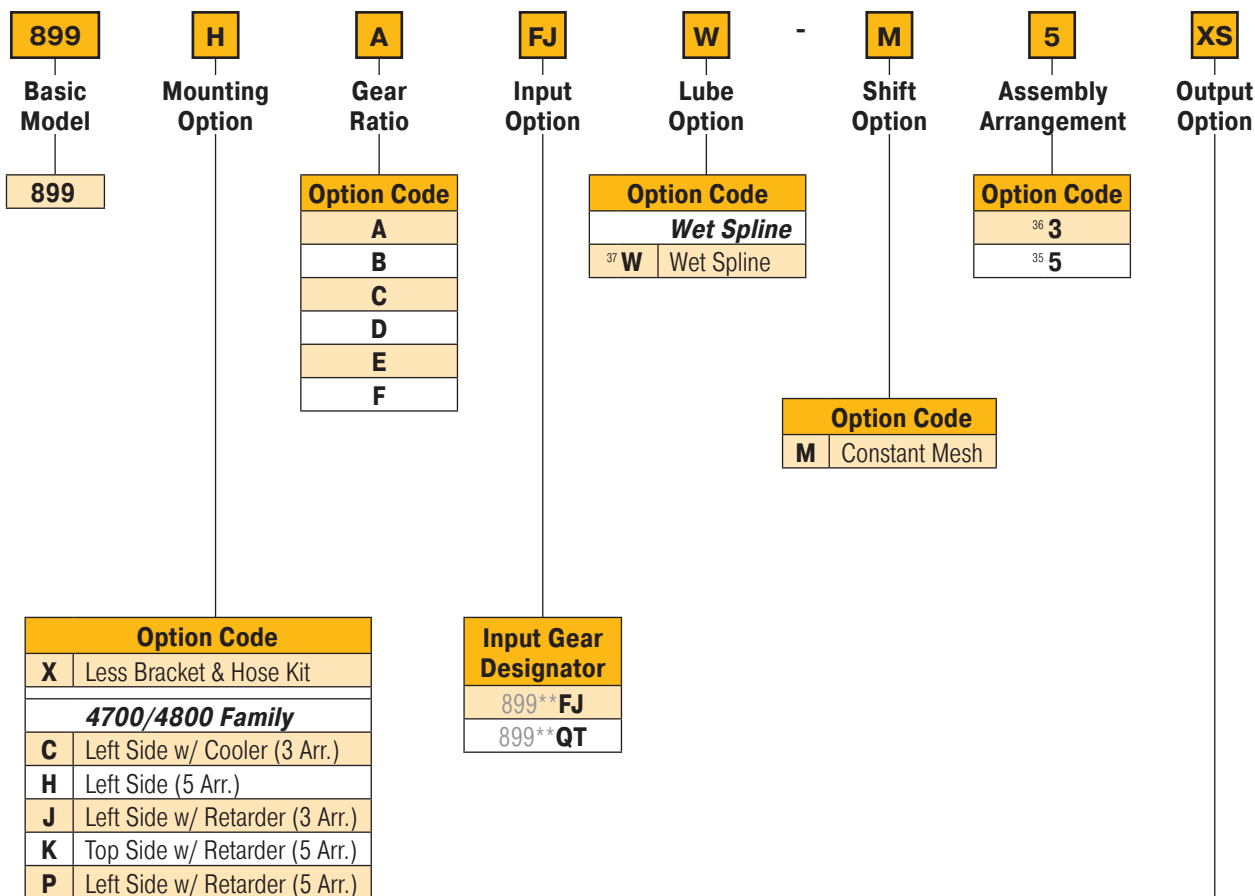


899 Series



899 Series Power Take-Off – Multiple Transmission Options

Model Number Designator



Option Code	
3 Assembly Arrangement	
AB	DIN 120 Flange
AC	DIN 100 Flange
³⁶ CF	SAE B 2 or 4-Bolt Flange, SAE BB Shaft (1" - 15T)
³⁶ CK	SAE B 2 or 4-Bolt Flange, SAE B Shaft (7/8" - 13T)
³⁶ CS	SAE C 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
³⁶ CZ	SAE B 2 or 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
XV	1410 Series Companion Flange
XY	DIN 5462 Pump Mount, DIN 5462 Shaft (B8x32x36)
ZS	SAE C 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
5 Assembly Arrangement	
AB	DIN 120 Flange
³⁵ AC	DIN 100 Flange
³⁵ AF	SAE B 2 or 4-Bolt Flange, SAE BB Shaft (1" - 15T)
³⁵ AZ	SAE B 2 or 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
³⁴ DA	SAE D 4-Bolt Flange, SAE D Shaft (1-3/4" - 13T)
³⁵ XK	SAE B 2 or 4-Bolt Flange, SAE B Shaft (7/8" - 13T)
³⁵ XS	SAE C 2 or 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
XV	1410 Series Companion Flange
XY	DIN 5462 Pump Mount, DIN 5462 Shaft (B8x32x36)
ZS	SAE C 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)

³⁴ DA output is not available for transmission with a retarder or cooler

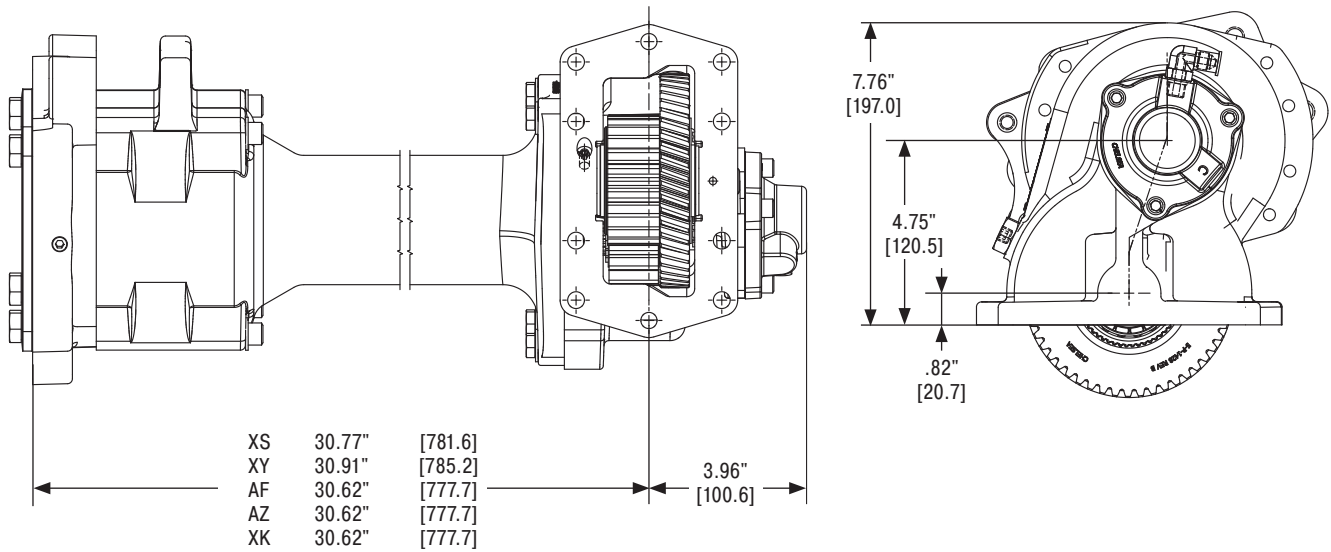
³⁵ XS, XK, AF, AZ outputs available with 5 Assembly arrangement

³⁶ CS, CK, CF, CZ outputs only available with 3 Assembly arrangement

³⁷ Automatically pressure lubed with Wet Spline

899 Series Power Take-Off – Multiple Transmission Options

Dimensions & Specifications – For PTO output information see application catalog



Specifications Chart	Approximate Weight: 86 lbs. [39 kg]					
	899*A	899*B	892*C	899*D	899*E	899*F
Continuous Torque Rating lb-ft [N-m]	670 [909]	630 [854]	590 [800]	550 [746]	485 [658]	430 [583]
HP Rating for Continuous Service						
At 500 RPM of Output Shaft HP [kW]	64 [48]	60 [45]	56 [42]	52 [39]	46 [34]	41 [31]
At 1000 RPM of Output Shaft HP [kW]	128 [95]	120 [89]	112 [84]	105 [78]	92 [69]	82 [61]

Parker Hannifin Corporation
Chelsea Products Division
 8225 Hacks Cross Road
 Olive Branch, MS 38654 USA
 phone 1-888-PH4-TRUK (1-888-744-8785)
 chd_support@support.parker.com
 www.parker.com/chelsea

HY25-0150-B1/US November 2025

© 2025 Parker Hannifin Corporation

