Chelsea® 897 Series

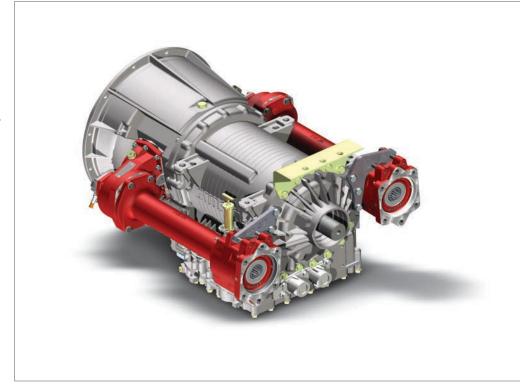
Constant Mesh PTO for Allison 3000 & 4000 Transmission Family



Overview:

The 897 Series Power Take-Off (PTO) mounts like a standard side mounted PTO with an extended shaft and additional bracket at the rear of the transmission for greater pump support. The output of the PTO is beyond the rear of the transmission where there is extra space to mount larger pumps. The 897 Series is a single unit, not a PTO with an extension. The main shaft is a one piece solid shaft eliminating the input splines between the PTO and the shaft. The output utilizes Wet Spline Technology which virtually eliminates spline fretting problems.

- Fire & Rescue
- Pumper Cleaner
- Truck Cranes
- Refuse



Contact Information:

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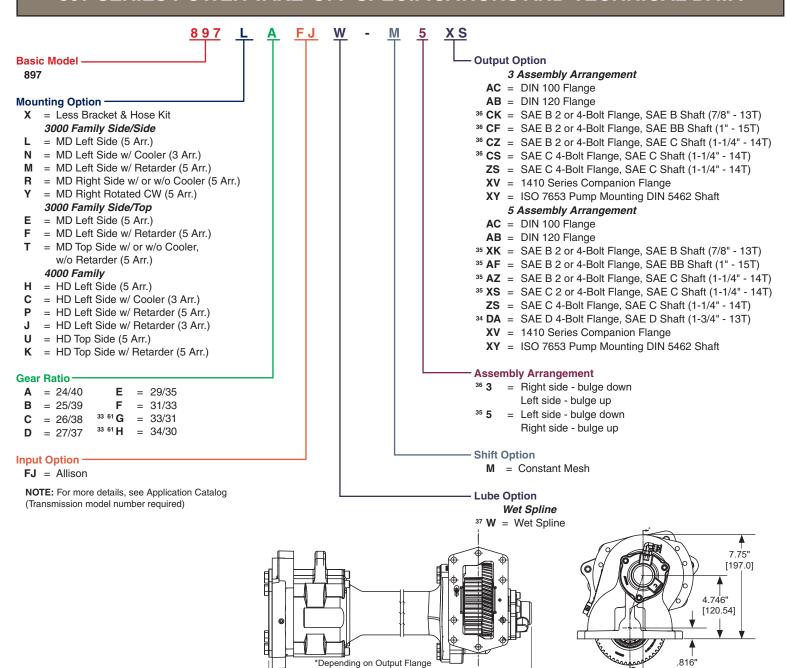
Product Features and Benefits:

- Pump Clearance Moves the PTO output flange to the rear of the transmission.
- Compact Design 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.
- Patent Pending



897 SERIES POWER TAKE-OFF SPECIFICATIONS AND TECHNICAL DATA



- 33 G & H ratio for Allison MD only
- ³⁴ DA output is not available for transmission with a retarder or cooler
- 35 XS, XK, AF, AZ outputs only available with 5 ass'y arrangement
- 36 CS, CK, CF, CZ outputs only available with 3 ass'y arrangement
- 37 Automatically Pressure lubed with wet spline
- ⁶¹ For HD requires Engineering Approval

Specifications Chart	Approximate Weight: 86 lbs. [39 kg]							
Specifications offait	897*A	897*B	897*C	897*D	897*E	897*F	897*G	897*H
Intermittent & Continuous Torque Rating (lbs-ft) [Nm]	670 [908]	630 [854]	590 [800]	550 [746]	485 [658]	430 [583]	379 [513]	356 [482]
HP Rating for Intermittent & Continuous Duty								
At 500 RPM of Output Shaft (HP) [Kw]	64 [48]	60 [45]	56 [42]	52 [39]	46 [35]	41 [31]	36 [27]	34 [25]
At 1000 RPM of Output Shaft (HP) [Kw]	128 [95]	120 [90]	112 [84]	105 [78]	92 [69]	82 [61]	72 [53]	68 [50]

23.329"* [592.56]

27.463"* [697.56]

3.96'

[100.6]

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Supersedes HY25-0085-B1/US April 2020 HY25-0085-B1/US December 2020

.986"

[25.05]



[20.73]