

CHELSEA® 892 SERIES

PowerShift PTO for Allison 4700 Transmissions

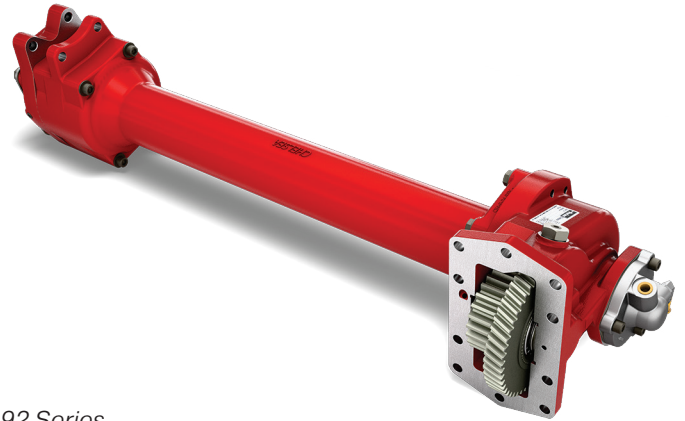
The 892 Series Power Take-Off (PTO) is mounted between the transmission and the frame rail of the truck. It mounts like a standard side mounted PTO with an additional bracket at the rear of the transmission. It places the output of the PTO beyond the rear of the transmission where there is extra space. The 892 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 clutch has been moved to the rear of the unit to allow the housing and gear section to tuck in tightly to the transmission. 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.
- Patented Remote Mounted Clutch Assembly.



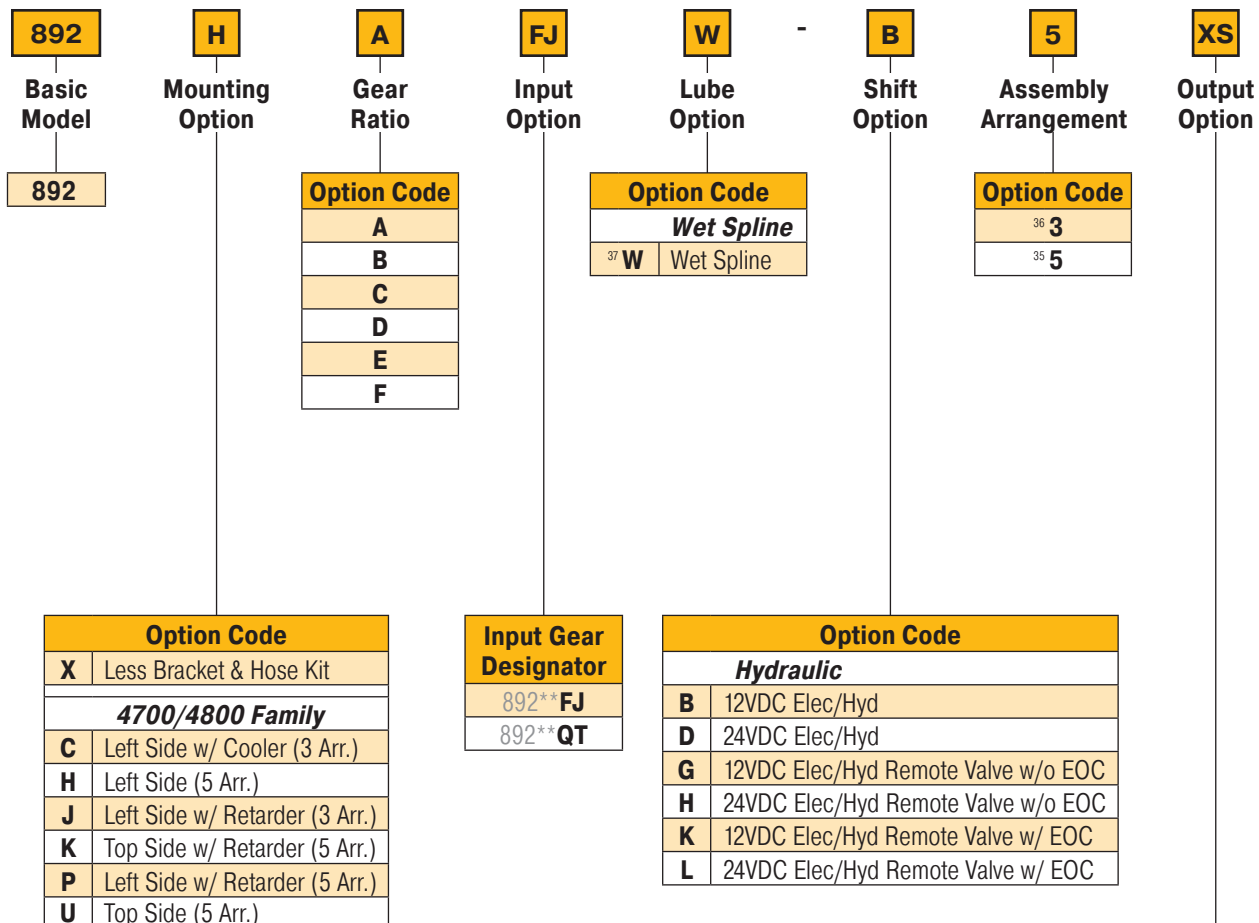
892 Series

U.S. Pat. No. 9,297,426



892 Series Power Take-Off – Allison

Model Number Designator



Option Code
A
B
C
D
E
F

Option Code
Wet Spline
³⁷ W Wet Spline

Option Code
³⁶ 3
³⁵ 5

Option Code	
X Less Bracket & Hose Kit	
4700/4800 Family	
C Left Side w/ Cooler (3 Arr.)	
H Left Side (5 Arr.)	
J Left Side w/ Retarder (3 Arr.)	
K Top Side w/ Retarder (5 Arr.)	
P Left Side w/ Retarder (5 Arr.)	
U Top Side (5 Arr.)	

Input Gear Designator
892** FJ
892** QT

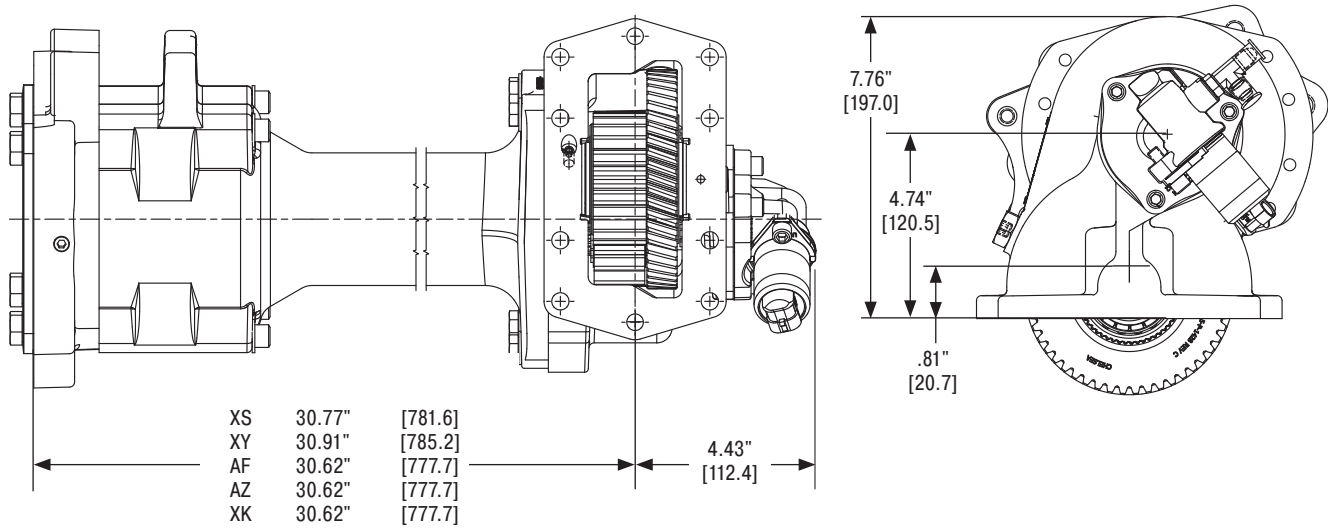
Option Code	
Hydraulic	
B 12VDC Elec/Hyd	
D 24VDC Elec/Hyd	
G 12VDC Elec/Hyd Remote Valve w/o EOC	
H 24VDC Elec/Hyd Remote Valve w/o EOC	
K 12VDC Elec/Hyd Remote Valve w/ EOC	
L 24VDC Elec/Hyd Remote Valve w/ EOC	

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	
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

892 Series Power Take-Off – Allison

Dimensions & Specifications – For PTO output information see application catalog



Specifications Chart	Approximate Weight: 86 lbs. [39 kg]					
	892*A	892*B	892*C	890*D	892*E	892*F
Intermittent & Continuous Torque Rating lb-ft [N-m]	670 [909]	630 [854]	590 [800]	550 [746]	485 [658]	430 [583]
HP Rating for Intermittent & 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]

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