

# CHELSEA® 890 SERIES

## PowerShift PTO for Allison 3000/4000 Transmissions

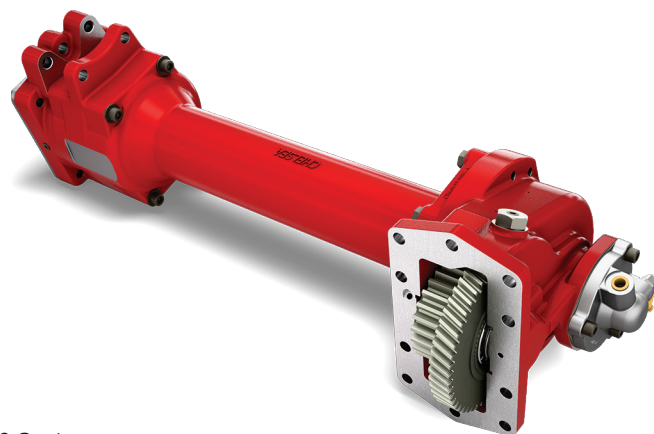
The 890 Series Power Take-Off (PTO) mounts like a standard side mounted PTO with an extended shaft and additional bracket at the rear of the transmission for greater pump support. It places the output of the PTO beyond the rear of the transmission where there is extra space. The 890 Series is a single unit, not a solid shaft PTO with an extension. The main shaft is one piece, eliminating the input splines between the PTO and the shaft extension. The clutch is located in the rear of the unit to allow the housing and gear section to tuck in tight to the transmission. The output utilizes Wet Spline Technology which virtually eliminates fretting issues.

### Applications:

- Fire and Rescue Trucks
- Pumper Cleaner Trucks
- Truck Cranes
- Refuse Trucks

### 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 lb-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.



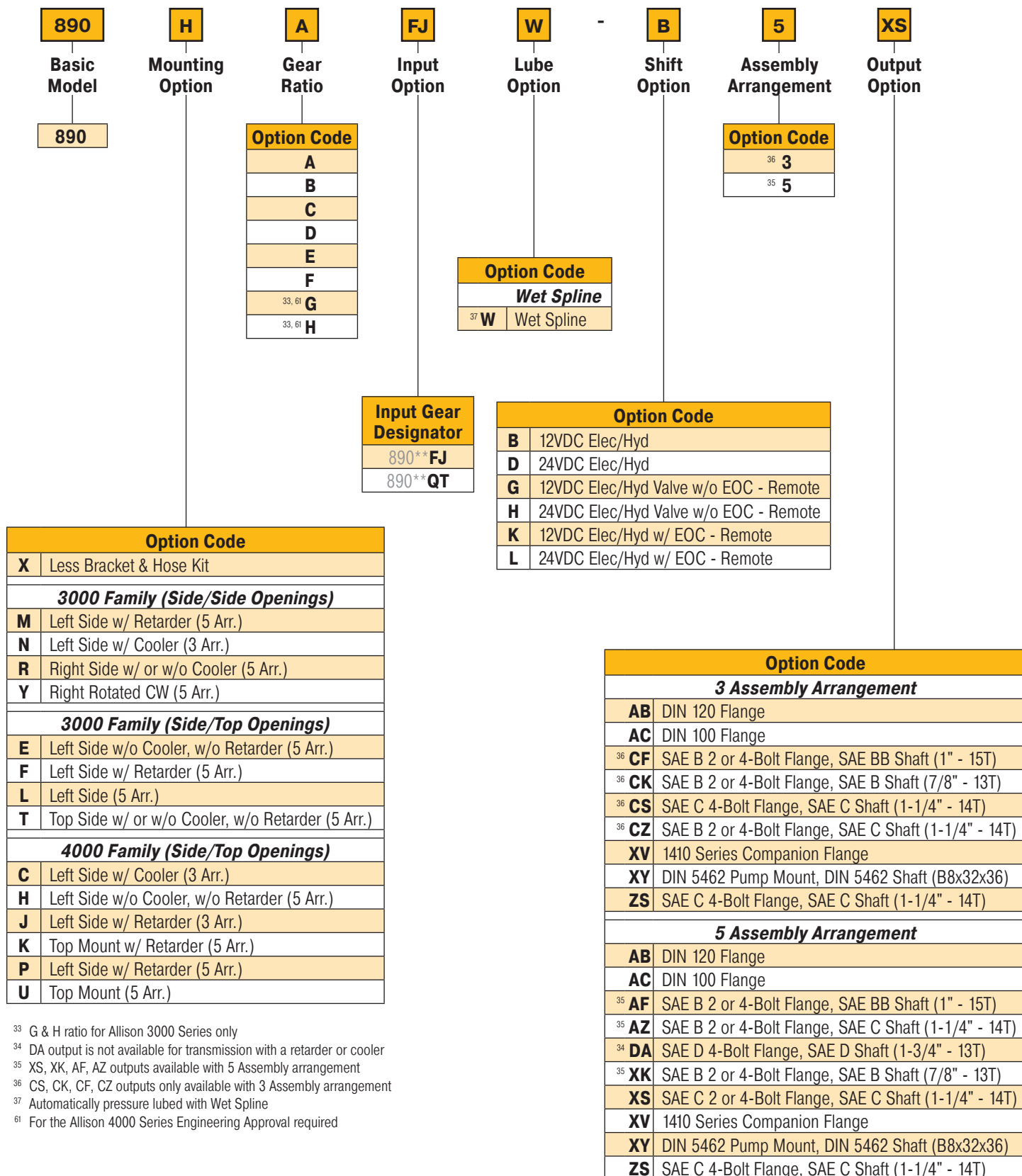
890 Series



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

# 890 Series Power Take-Off – Allison

## Model Number Designator



<sup>33</sup> G & H ratio for Allison 3000 Series only

<sup>34</sup> DA output is not available for transmission with a retarder or cooler

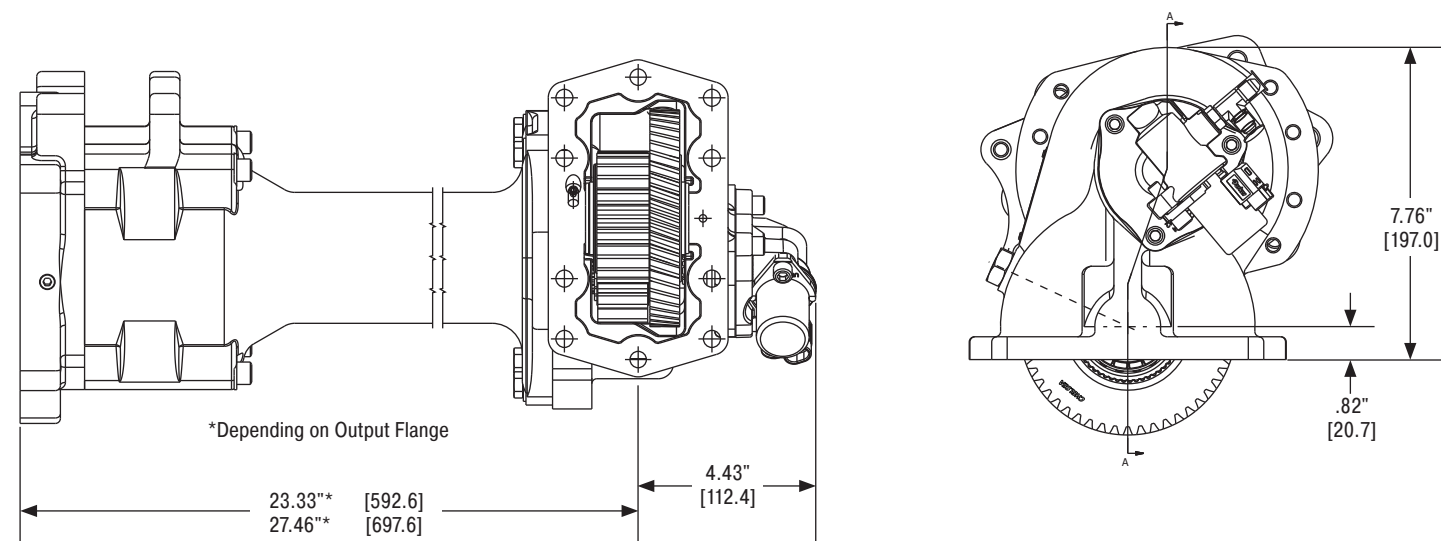
<sup>35</sup> XS, XK, AF, AZ outputs available with 5 Assembly arrangement

<sup>36</sup> CS, CK, CF, CZ outputs only available with 3 Assembly arrangement

<sup>37</sup> Automatically pressure lubed with Wet Spline

<sup>61</sup> For the Allison 4000 Series Engineering Approval required

890 Series Power Take-Off – Allison
Dimensions & Specifications – For PTO output information see application catalog



Specifications Chart	Approximate Weight: 97 lbs. [44 kg]							
	890*A	890*B	890*C	890*D	890*E	890*F	890*G	890*H
Continuous Torque Rating lb-ft [N-m]	670 [909]	630 [854]	590 [800]	550 [746]	485 [658]	430 [583]	380 [515]	355 [481]
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]	36 [27]	34 [25]
At 1000 RPM of Output Shaft HP [kW]	128 [95]	120 [89]	112 [84]	105 [78]	92 [69]	82 [61]	72 [54]	68 [50]

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