

Chelsea® 870 Series

Ten Bolt PowerShift PTO



Overview:

Power density is what you will find in the Chelsea 870 Series PTO. The 870 Series is a 10-Bolt mounting pattern that will fit on today's popular automatic transmissions. It provides you with a compact housing that helps eliminate clearance issues. Two assembly arrangements are offered that maximize your installation possibilities. High capacity bearings and superior gear designs provide you with torque ratings up to 670 lbs-ft for the ultimate performance. There is no need to de-rate the PTO for continuous applications. The superior design of this PTO can handle with all the power you will need. It requires one hose for a simplified installation. Our popular Electronic Overspeed Control (EOC) is also available to protect your driven equipment. Multiple gear ratios provide you with a wide variety of speeds to meet your application requirements. The direct mount pump flange options are available with our Wet Spline design that increases PTO and pump shaft life. Versatility, power, ease of maintenance and installation make the 870 Series the only choice for your vocational truck requirements.

- Fire & Rescue
- Oil & Gas
- Refuse
- Snow & Ice
- Pumper Cleaner



Contact Information:

Parker Hannifin Corporation
Chelsea Products Division
8225 Hacks Cross Road
Olive Branch, MS 38654 USA

Phone: 1-888-PH4-TRUK
(1-888-744-8785)

Fax: 1-662-895-1069
chelseacustserv@parker.com

www.parker.com/chelsea

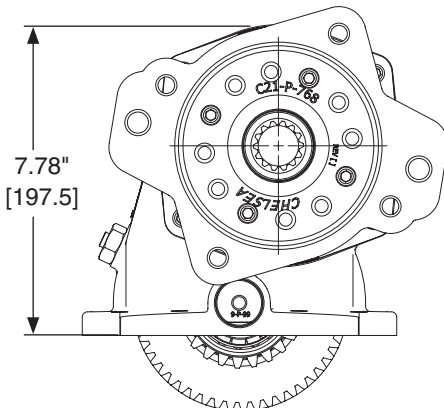
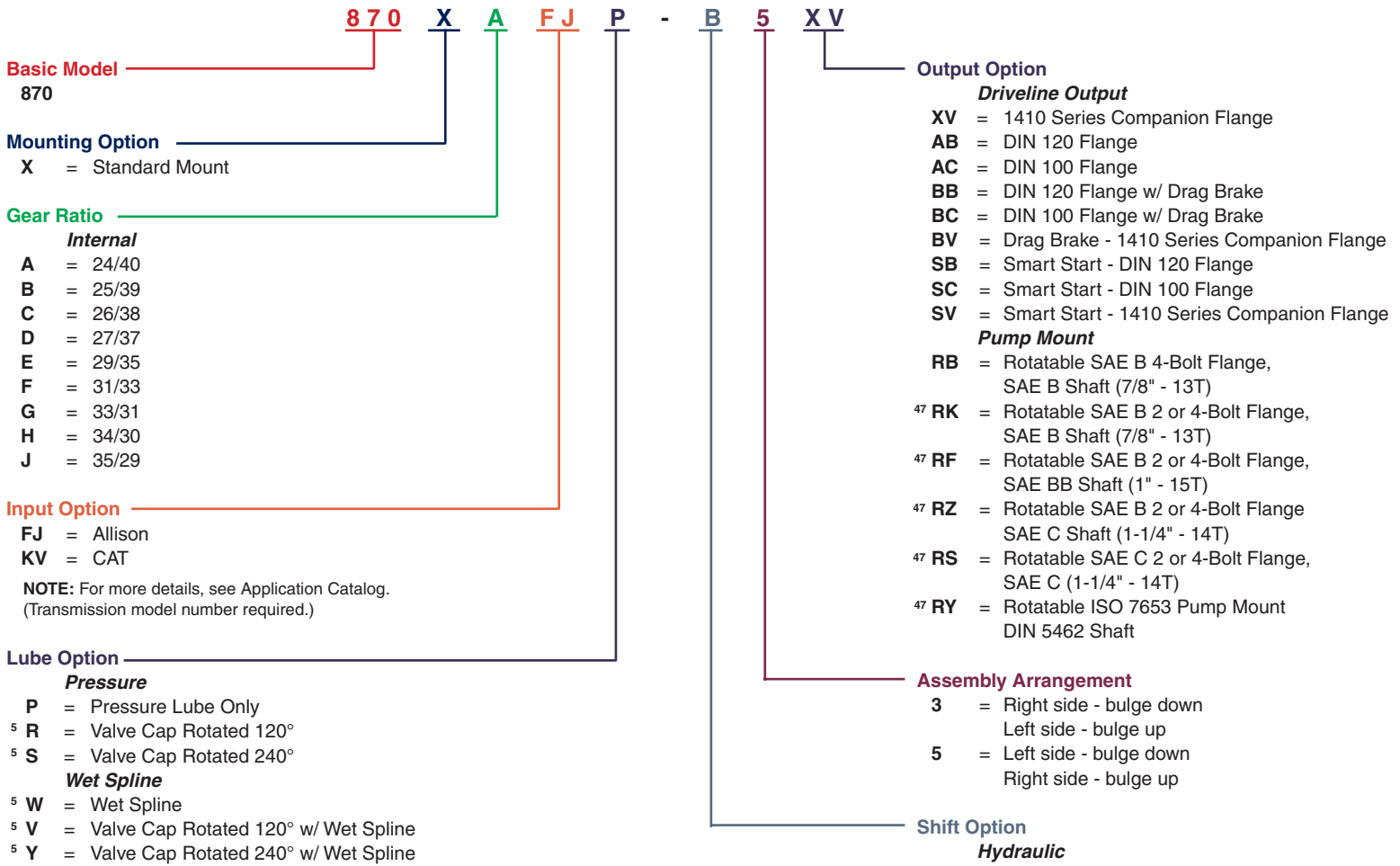
Product Features and Benefits:

- **Power** – Torque capacity up to 670 lbs-ft / 908 Nm.
- **Compact** – Housing height reduces clearance issues.
- **Simplified** – Integral shift valve simplifies installation.
- **Smart Start** – Option available to reduce shock load at start-up for certain applications.
- **Insurance** – Electronic Overspeed Control (EOC) protects driven equipment.
- **Speeds** – Nine speed ratios.
- **Outputs** – Sixteen output options.
- **Protection** – Wet Spline pump flange extends PTO and pump shaft life.

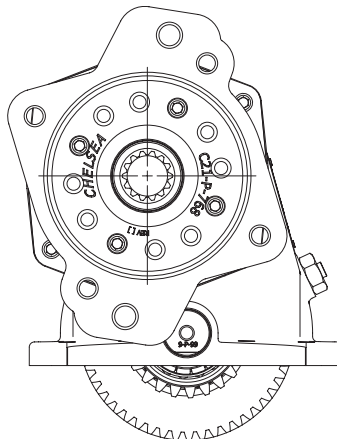


ENGINEERING YOUR SUCCESS.

870 SERIES POWER TAKE-OFF SPECIFICATIONS AND TECHNICAL DATA



3 Arrangement



5 Arrangement

⁵ Automatically pressure lubed
⁴⁷ Available with Wet Spline

Specifications Chart	Approximate Weight: 56 lbs. [25 kg]								
	870*A	870*B	870*C	870*D	870*E	870*F	870*G	870*H	870*J
Intermittent & Continuous Torque Rating (lbs-ft) [Nm]	670 [908]	630 [854]	590 [800]	550 [746]	485 [658]	430 [583]	380 [515]	355 [481]	335 [454]
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]	32 [24]
At 1000 RPM of Output Shaft (HP) [Kw]	128 [95]	120 [90]	112 [84]	105 [78]	92 [69]	82 [61]	72 [54]	68 [51]	64 [48]