

Chelsea® 878 Series

Constant Mesh 10-Bolt PTO

Allison 3000/4000 Family Transmissions



Overview:

Our new 878 Series PTO is an improvement on the design of our bulletproof 877 Series PTO. Chelsea's 878 Series features a ductile iron bearing cap which is 117% stronger than its predecessor. It also features an o-ring sealing configuration between the housing and bearing cap to improve clamp load. All of these improvements are focused on reducing the damaging vibrational effects caused by today's and future engine designs.

With durability in mind, our 878 Series PTO is offered with Wet Spline technology as an option to increase the life of both the PTO and its pump shaft. This PTO boasts an impressive 670 lb-ft torque rating in both intermittent and continuous use applications.

Applications:

- Fire & Rescue
- Snow & Ice
- Refuse
- Blower & Vacuum



Contact Information:

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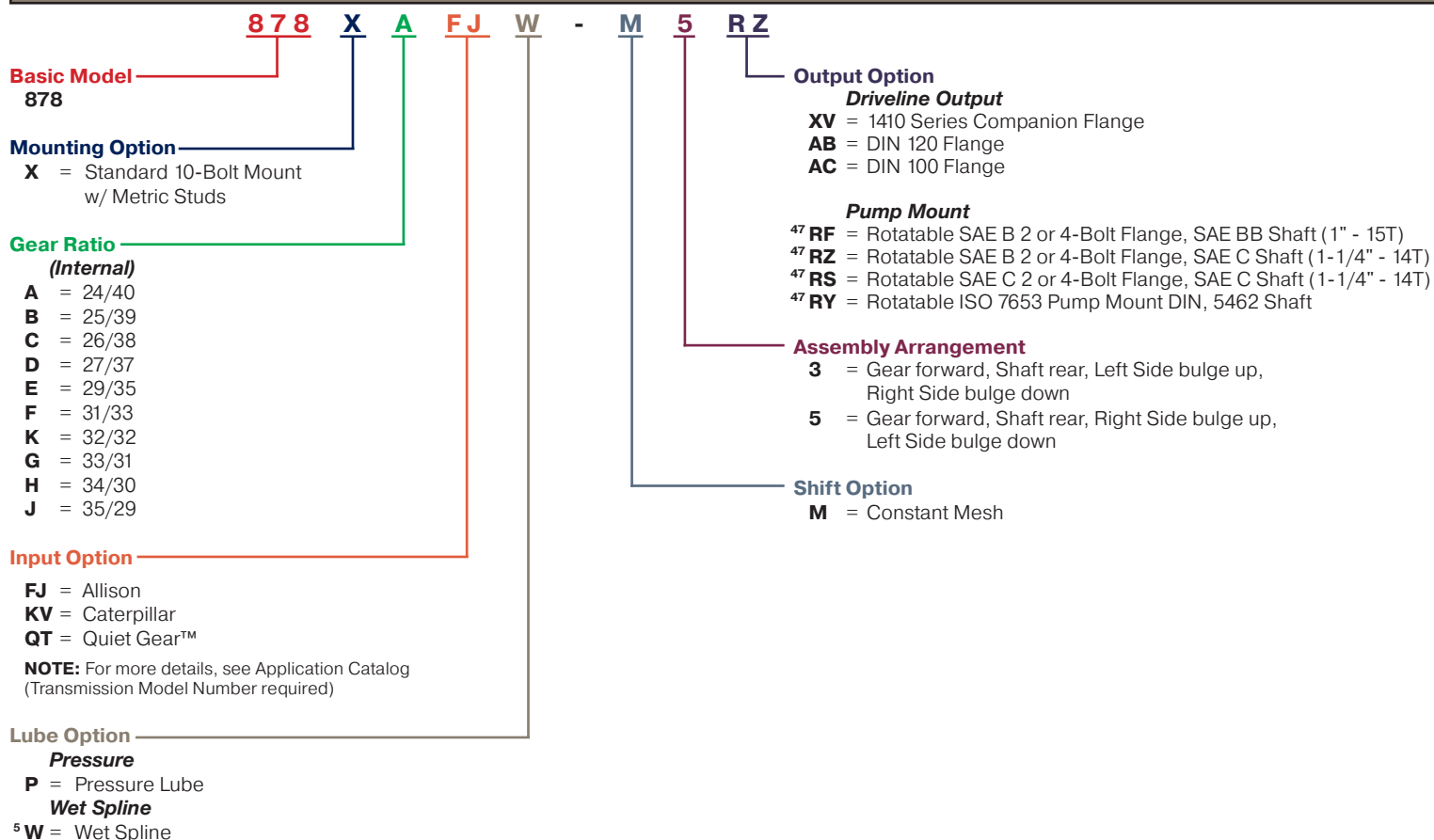


Product Features and Benefits:

- Ductile Iron Bearing Cap – 117% stronger than gray iron.
- Improved Seal – O-ring sealing configuration to reduce vibrational effects and improve clamp load.
- Torque – Features a single, continuous duty torque rating.
- Constant Mesh – Economical workhorse features a cast iron housing.
- Clearance – Interference issues have been reduced with rotatable, cast iron flanges.
- Positive Stop – Driveline outputs; eliminates oil seal damage from coupling.
- Protection – Wet Spline Lubrication option provides 7 to 10 times greater shaft life.
- Speeds – Ten speed ratios including low and high speeds.
- Hose Included – No need to order separately.

ENGINEERING YOUR SUCCESS.

878 SERIES POWER TAKE-OFF SPECIFICATIONS AND TECHNICAL DATA

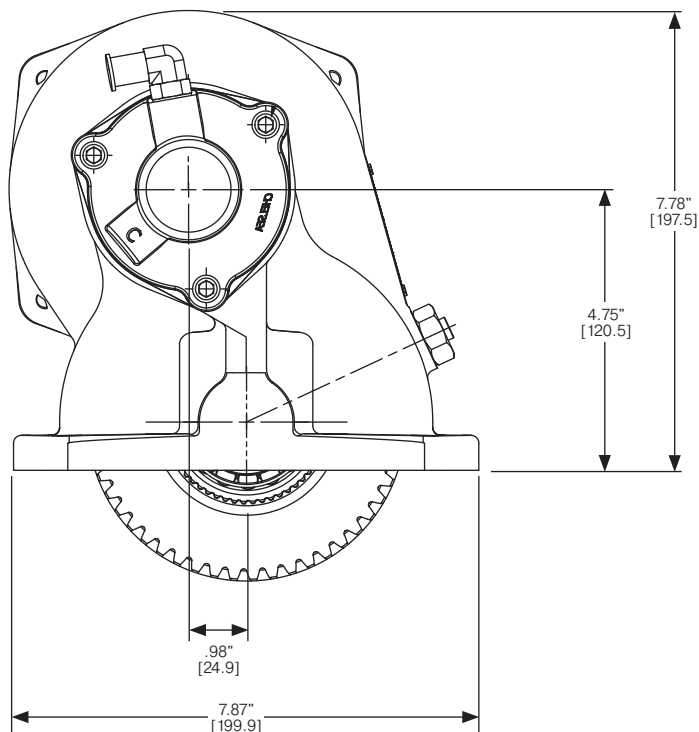


⁵ Automatically pressure lubed

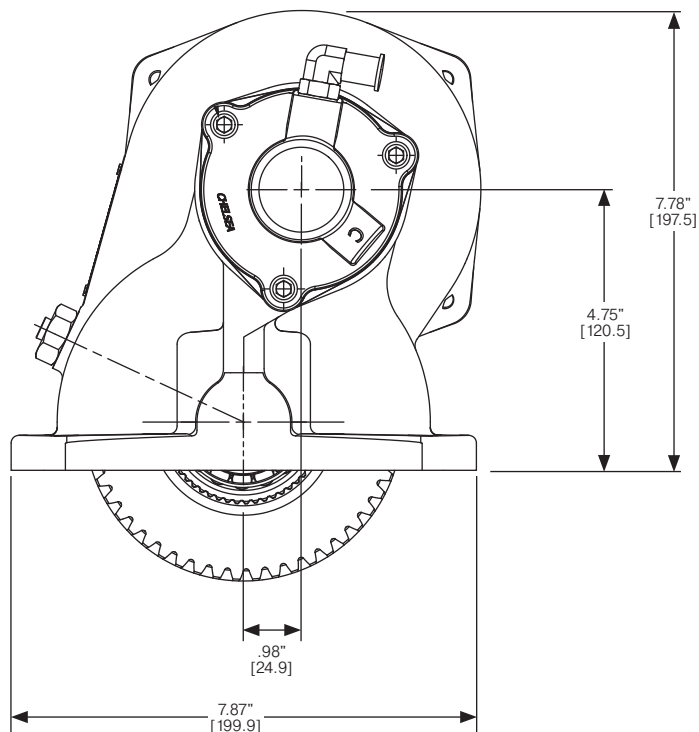
⁴⁷ Available with Wet Spline

878 SERIES POWER TAKE-OFF SPECIFICATIONS AND TECHNICAL DATA

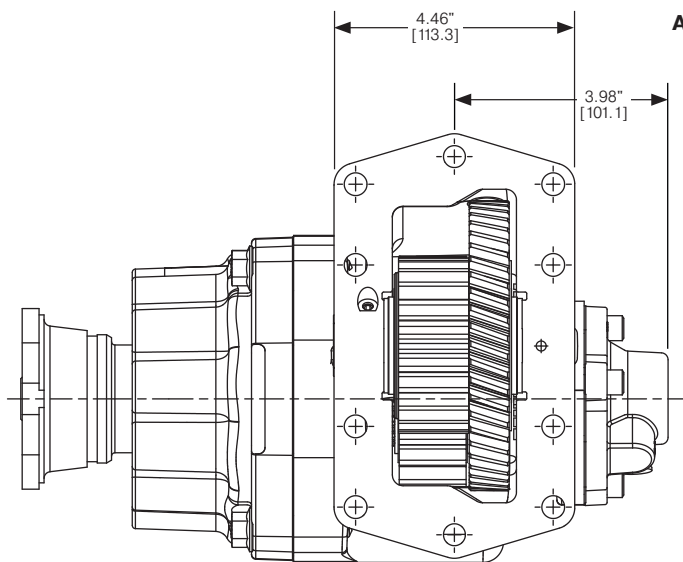
Dimensions – For PTO output information see application catalog



Assembly 3



Assembly 5



Specifications Chart							Approximate Weight: 56 lbs. [25 kg]			
	878*A	878*B	878*C	878*D	878*E	878*F	878*K	878*G	878*H	878*J
Continuous Torque Rating (lb-ft) [N-m]	670 [909]	630 [854]	590 [800]	550 [746]	485 [658]	430 [583]	404 [548]	380 [515]	355 [481]	335 [454]
HP Rating for Continuous Duty										
At 500 RPM of Output Shaft (HP) [kW]	64 [48]	60 [45]	56 [42]	52 [39]	46 [34]	41 [31]	38 [29]	36 [27]	34 [25]	32 [24]
At 1000 RPM of Output Shaft (HP) [kW]	128 [95]	120 [89]	112 [84]	105 [78]	92 [69]	82 [61]	77 [57]	72 [54]	68 [50]	64 [48]

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HY25-0211-B1/US December 2023