

# CHELSEA<sup>®</sup> 489 SERIES

## Two Gear PTO for Mechanical Transmissions

The Chelsea 489 Series PTO is the best in the business. Designed to simplify installation and reduce mounting time, the 489 Series is a one-piece, cast iron PTO, which gives the same torque capacity as the 442 Series. That means one less part to buy, one less surface to leak, and faster installation! The 489 Series has strong tapered input bearings instead of needle bearings for greater load capacity. There now are twenty-seven output options available for this versatile PTO, including the brand new RJ output. Eleven internal speed ratios and fifteen shift options make this one versatile PTO. Take advantage of over 75 years of Chelsea PTO technology to increase performance and lower costs. With the newly added RJ output option, our 489 Series PTO will have an SAE B 2 or 4-Bolt Rotatable Flange with an SAE BB Shaft (1" - 15T internal spline).



489 Series PTO

### Applications:

- Aerial
- Snow & Ice Removal
- Dump Truck & Trailer
- Fire & Rescue
- Refuse
- Service

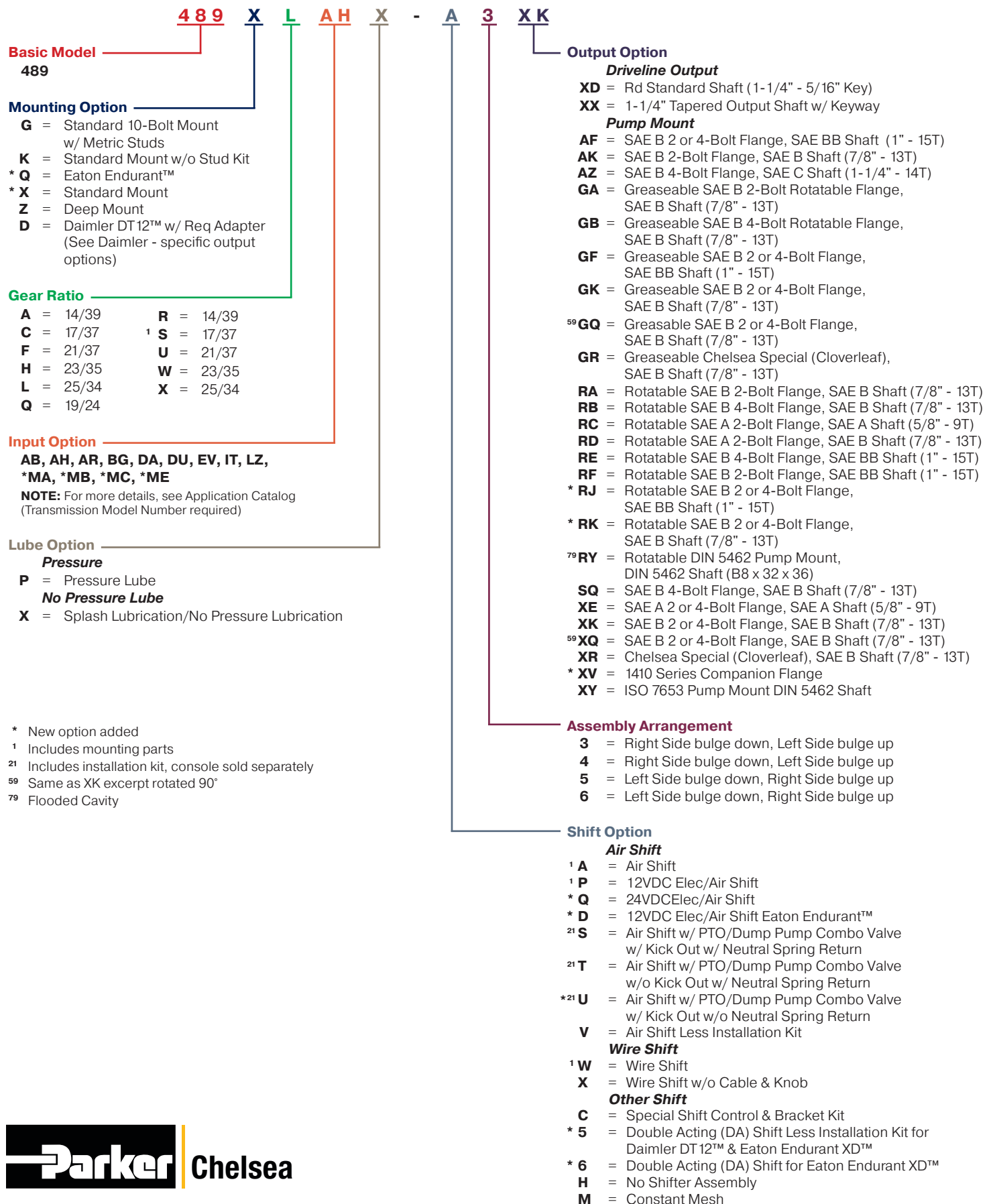
### Product Features and Benefits:

- Flange – 442 Series family, with an 8-Bolt mounting flange.
- Adapter Plate – Not required.
- Confidence – Two Year Warranty.
- Ease of Installation – Reduced installation time with less leak points.
- Outputs – Twenty-seven output options, including greaseable and rotatable options.
- Shift Options – Fifteen shift options.
- Speeds – Eleven speed ratios.



# 489 Series Power Take-Off

## Model Number Designator & Specifications



For PTO output information see application catalog



Technical drawings of the 489 Series PTO adapter, showing side, top, and front views with dimensions and part numbers.

**Side View Dimensions:**

- Overall width: 6.88" [174.8]
- Keyed Feature in PTO/Adapter to Ensure Correct Compatibility
- 489 Series PTO

**Top View Dimensions:**

- Overall width: 9.37" [237.9]
- Overall height: 5.74" [145.9] = 489D\*MA, 6.59" [167.3] = 489D\*MB, 5.76" [146.4] = 489D\*MC
- Mounting hole spacing: 4.257" [108.13] = 489\*MA, 4.662" [118.41] = 489\*MB, 4.257" [108.13] = 489\*MC

**Front View Dimensions:**

- Overall height: 2.785" [70.74] = 489D\*MA, 3.190" [81.03] = 489D\*MB, 2.785" [70.74] = 489D\*MC

**Part Numbers:**

- 329932X = 489D\*MA
- 329954X = 489D\*MB
- 329955X = 489D\*MC

Specifications Chart	Approximate Weight: 30 lbs. [13.6 kg]											
	489*A	489*C	489*F	489*H	489*L	489*Q	489*R	489*S	489*U	489*W	489*X	
	Intermittent Torque Rating (lb-ft) [N-m]	250 [339]	250 [339]	250 [339]	250 [339]	250 [339]	225 [305]	225 [305]	200 [271]	195 [264]	175 [237]	140 [190]
	HP Rating for Continuous Duty											
	At 500 RPM of Output Shaft (HP) [kW]	24 [18]	24 [18]	24 [18]	24 [18]	24 [18]	21 [16]	21 [16]	19 [14]	19 [14]	17 [13]	13 [10]
	At 1000 RPM of Output Shaft (HP) [kW]	48 [36]	48 [36]	48 [36]	48 [36]	48 [36]	43 [32]	43 [32]	38 [28]	37 [28]	33 [25]	27 [20]

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