

Chelsea® 489 Series

Two Gear P.T.O. for Mechanical Transmissions



Overview:

The Chelsea 489 P.T.O. is another example of why Chelsea P.T.O. technology is the best in the business. It's specifically designed to reduce mounting time. The one-piece, cast iron P.T.O. housing bolts on to the 8-Bolt transmission opening, but 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 has strong tapered bearings instead of needle bearings for greater load bearing capability. Thirty six output options including Chelsea's popular 360° rotatable flange. Eleven internal speed ratios and ten shift options plus a self-lube option for transmissions that have problems getting lubrication to the P.T.O. make this one versatile P.T.O. Take advantage of over 65 years of Chelsea P.T.O. technology to increase performance and lower costs.

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

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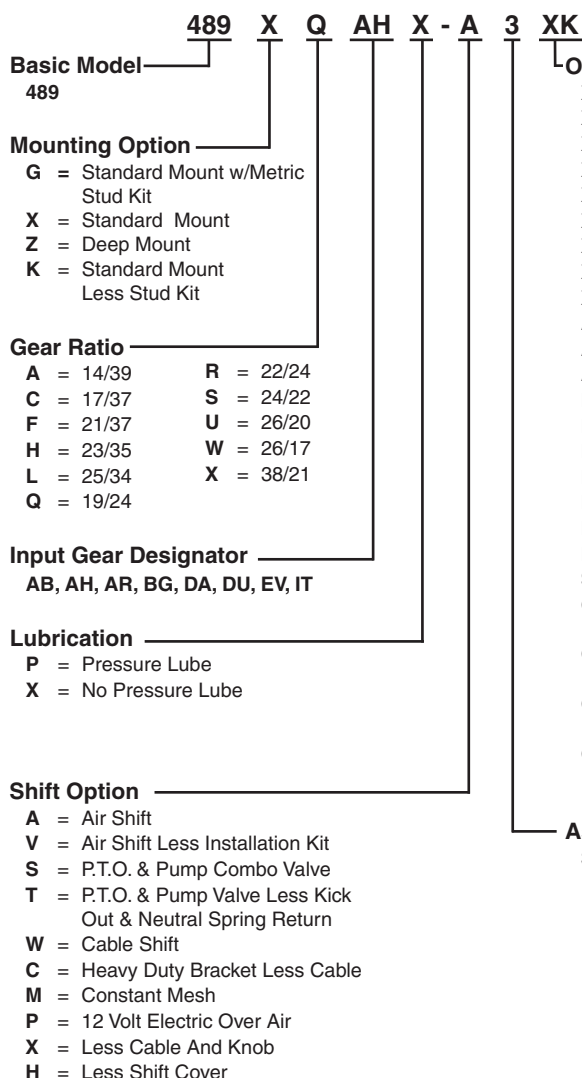
Product Features and Benefits:

- 442 Series family, but with an 8-Bolt mounting flange
- No adapter plate needed
- Less installation time, less expense and less chance of leakage
- Wide range of shifters options and pump flanges
- Two Year Warranty
- No adapter plate required
- Less chance of leakage
- Reduced installation time
- 36 output options
- 10 shift options
- 11 speed ratios



ENGINEERING YOUR SUCCESS.

Model Number Designation



Output Designation

- XD** = 1-1/4" Rd Standard Shaft
XE = S.A.E. "A" 2 or 4-Bolt 5/8" - 9T
XG = S.A.E. "A" 2-Bolt 3/4" Rd
XJ = S.A.E. "A" 2-Bolt 3/4" Rd
XK = S.A.E. "B" 2 or 4-Bolt 7/8" - 13T
XQ = S.A.E. "B" 2 or 4-Bolt 7/8" - 13T
XR = Chelsea Special 7/8" - 13T
XX = Tapered Output Shaft
XY = DIN 5462 8T
AK = S.A.E. "B" 2-Bolt 7/8" - 13T
AF = S.A.E. "BB" 2 or 4-Bolt 1" - 15T
AZ = S.A.E. "B" 4-Bolt 1-1/4" - 14T
RA = Rotatable S.A.E. "B" 2-Bolt 7/8" - 13T
RB = Rotatable S.A.E. "B" 4-Bolt 7/8" - 13T
RC = Rotatable S.A.E. "A" 2-Bolt 5/8" - 9T
RD = Rotatable S.A.E. "A" 2-Bolt 7/8" - 13T
RE = Rotatable S.A.E. "BB" 4-Bolt 1" - 15T
RF = Rotatable S.A.E. "BB" 2-Bolt 1" - 15T
RY = Rotatable DIN 5462 8T
SQ = S.A.E. "B" 4-Bolt 7/8" - 13T
GA = Greaseable Rotatable "B" 2-Bolt 7/8" - 13T
GB = Greaseable Rotatable "B" 4-Bolt 7/8" - 13T
GF = Greaseable S.A.E. "BB" 2 or 4-Bolt 1" - 15T
GH = Greaseable Rot. S.A.E. "BB" 2-Bolt 1" - 15T

- GK** = Greaseable S.A.E. "B" 2 or 4-Bolt 7/8" - 13T
GP = Greaseable S.A.E. "B" 2 or 4-Bolt 7/8" - 13T
GQ = Greaseable S.A.E. "B" 2 or 4-Bolt 7/8" - 13T
GR = Greaseable Chelsea Special 7/8" - 13T
GY = Greaseable DIN 5462 8T
GZ = Greaseable S.A.E. "B" 4-Bolt 1-1/4" - 14T
LA = S.A.E. "B" 2-Bolt w/Self Lube Pump 7/8" - 13T
LB = S.A.E. "A" 2-Bolt w/Self Lube Pump 7/8" - 13T
LC = S.A.E. "B" 2 or 4-Bolt w/Self Lube 7/8" - 13T
LD = 1-1/4" Rd w/Self Lube Pump
LF = S.A.E. "B" 2 or 4-Bolt w/Self Lube 7/8" - 13T
PA = Rotatable S.A.E. "B" 2-Bolt for P2-060 Pump

Assembly Arrangement

3, 4, 5, 6

Specifications Chart – 489 Series

	489*A	489*C	489*F	489*H	489*L	489*Q	489*R	489*S	489*U	489*W	489*X
Standard Output Shaft Size	1-1/4" Round w/key										
Intermittent Torque Rating (Lbs. ft.)	250	250	250	250	250	225	225	200	195	175	140
Intermittent Torque Rating (N.m.)	339	339	339	339	339	305	305	271	264	237	190
Horsepower Rating for Intermittent Service											
At 500 R.P.M. of Output Shaft (HP)	24	24	24	24	24	21	21	19	19	17	13
At 1000 R.P.M. of Output Shaft (HP)	48	48	48	48	48	43	43	38	37	33	27
At 500 R.P.M. of Output Shaft (Kw)	18	18	18	18	18	16	16	14	14	12	10
At 1000 R.P.M. of Output Shaft (Kw)	36	36	36	36	36	32	32	28	28	25	20
Approximate Weight:	30 lbs. [13.6 kg]										