

# Chelsea® 442 Series

Two Gear P.T.O. for Mechanical Transmissions



## Overview:

The Chelsea 442 P.T.O. is another example of why Chelsea P.T.O. technology is the best in the business. This economical workhorse features a cast iron housing and tapered cone bearing on the output shaft, giving it a high torque rating and long service life. The space saving air shift cover provides maximum clearance under the truck. The 442 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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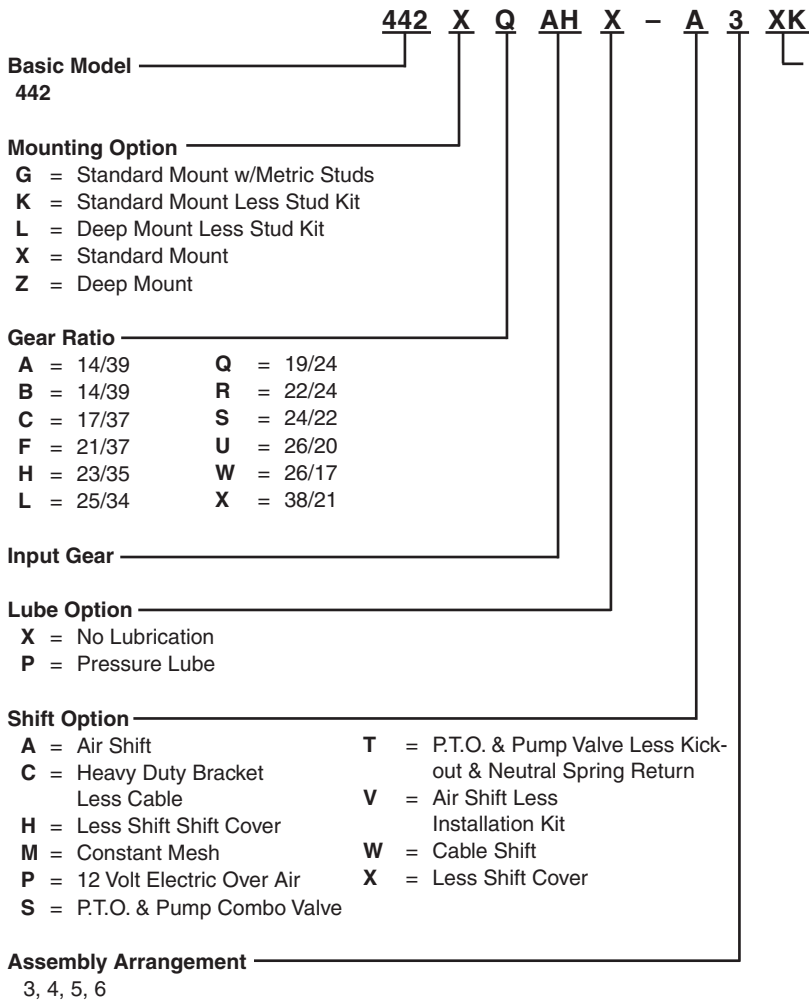
## Product Features and Benefits:

- Engineered to work with virtually all existing transmission applications
- Economical workhorse features a cast iron housing
- Tapered cone bearings for high torque rating and long service life
- Slip fit idler pin for easy interchange from one transmission to another
- Easy to set backlash
- Wide range of shift and output options
- Two Year Warranty
- 36 output options
- 10 shift options
- 11 speed ratios



ENGINEERING YOUR SUCCESS.

# Model Number Designator



- Mounting Option**
- G = Standard Mount w/Metric Studs
  - K = Standard Mount Less Stud Kit
  - L = Deep Mount Less Stud Kit
  - X = Standard Mount
  - Z = Deep Mount

- Gear Ratio**
- |           |           |
|-----------|-----------|
| A = 14/39 | Q = 19/24 |
| B = 14/39 | R = 22/24 |
| C = 17/37 | S = 24/22 |
| F = 21/37 | U = 26/20 |
| H = 23/35 | W = 26/17 |
| L = 25/34 | X = 38/21 |

- Lube Option**
- X = No Lubrication
  - P = Pressure Lube

- Shift Option**
- |                                   |   |
|-----------------------------------|---|
| A = Air Shift                     | T = P.T.O. & Pump Valve Less Kick-out & Neutral Spring Return |
| C = Heavy Duty Bracket Less Cable | V = Air Shift Less Installation Kit                           |
| H = Less Shift Shift Cover        | W = Cable Shift   |
| M = Constant Mesh                 | X = Less Shift Cover  |
| P = 12 Volt Electric Over Air     |   |
| S = P.T.O. & Pump Combo Valve     |   |

- Output Option**
- 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
  - 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
  - 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
  - PA = Rotatable S.A.E. "B" 2-Bolt for P2-060 pump
  - SQ = S.A.E. "B" 4-Bolt 7/8" - 13T
  - 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

## Specifications Chart – 442 Series

	442*A	442*B	442*C	442*F	442*H	442*L	442*Q	442*R	442*S	442*U	442*W	442*X
Standard Output Shaft Size	1-1/4" Round w/key											
Intermittent Torque Rating (Lbs. ft.)	250	250	250	250	250	250	225	225	200	195	175	140
Intermittent Torque Rating (N.m.)	339	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	24	21	21	19	19	17	13
At 1000 R.P.M. of Output Shaft (HP)	48	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	18	16	16	14	14	12	10
At 1000 R.P.M. of Output Shaft (Kw)	36	36	36	36	36	36	32	32	28	28	25	20
Approximate Weight:	21 lbs. [9.5 kg]											

