

Chelsea® 680 Series

Two Gear Heavy Duty P.T.O.
for Mechanical Transmission



Overview:

The Chelsea 680 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 680 has strong tapered bearings instead of needle bearings for greater load bearing capability. Thirty two output options including Chelsea's popular 360° rotatable flange. Four 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 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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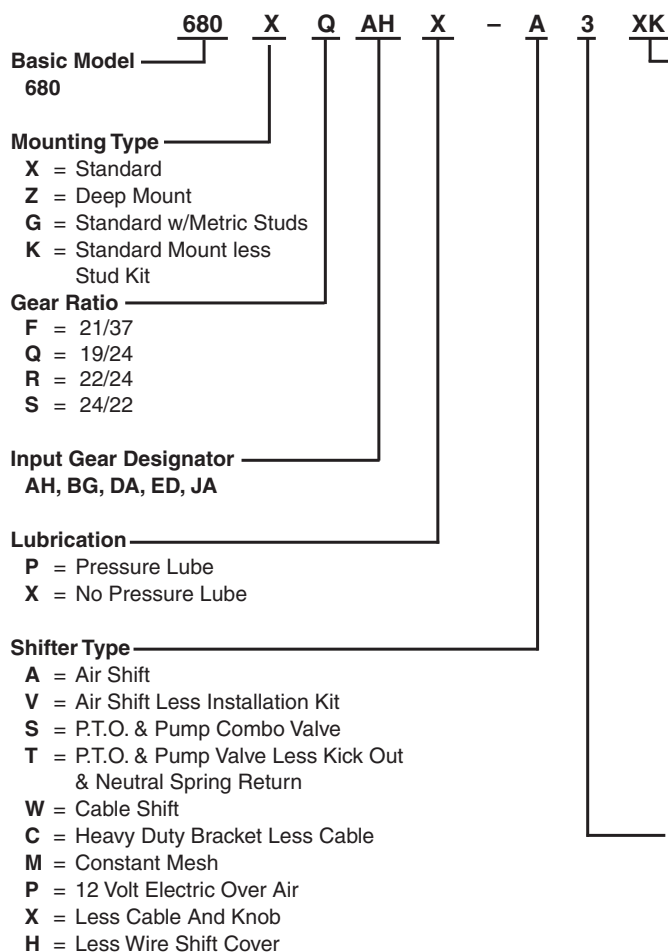
Product Features and Benefits:

- Excellent coverage for transmissions with 8-Bolt openings
- Deep mount housing option for Mack applications
- Designed for higher torque applications such as pneumatic blowers
- Wide range of shift and output options
- 32 Output options
- 10 Shift types
- Torque ratings up to 375 Lbs. ft.
- Two Year Warranty



ENGINEERING YOUR SUCCESS.

Model Number Designation

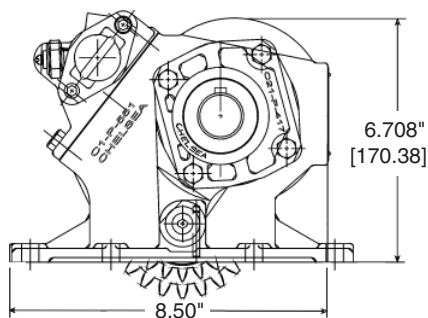


Output Designation

- 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
XV = 1410 Series Flanges
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
RE = Rotatable S.A.E. "BB" 4-Bolt 1" - 15T
RY = Rotatable DIN 5462 8T
GA = Greaseable Rot. "B" 2-Bolt 7/8" - 13T
- GB** = Greaseable Rot. "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

Assembly Arrangement

3, 4, 5, 6



Specifications Chart – 680 Series

	680*F	680*Q	680*R	680*S
Standard Output Shaft Size	1-1/4" Round w/key			
*Intermittent Torque Rating At 1500 R.P.M. or less (Lbs. ft.)	375	375	350	325
*Intermittent Torque Rating At 1500 R.P.M. or less (N.m.)	508	508	475	441
Horsepower Rating for Intermittent Service				
At 500 R.P.M. of Output Shaft (HP)	36	36	33	31
At 1000 R.P.M. of Output Shaft (HP)	71	71	67	62
At 1500 R.P.M. of Output Shaft (HP)	107	107	100	93
At 500 R.P.M. of Output Shaft (Kw)	27	27	25	23
At 1000 R.P.M. of Output Shaft (Kw)	53	53	50	46
At 1500 R.P.M. of Output Shaft (Kw)	80	80	75	69
Approximate Weight:	28.2 lbs. [12.8 kg]			

*Above 1500 R.P.M.: Call for Approval