Chelsea® 280 Series

Powershift Hydraulic 10-Bolt



Overview:

The NEW 280 Series is a new P.T.O. design utilizing the best of our technology and innovations from our current Hot Shift P.T.O.'s. The 280 Series combines our 277 and 278 Series into one model of P.T.O. It will feature a single continuous duty torque rating. No more intermittent rating. Pump clearance issues have been improved with rotatable cast iron flanges and the Wet Spline Pump Flange option provides 7 to 10 times greater shaft life. Broader coverage of speed ranges expands from 5 ratios to 9 ratios and includes lower and higher speeds that were never available in the past. The standard output shaft features a new positive stop for Driveline outputs that eliminates the ability for shaft couplings to damage Oil Seals. Three option positions for the integrated solenoid valve. Plus a remote mounted option provides maximum clearance under the truck. The pressure / lube hose will be included with the NEW 280 Series. No need to order separately. Versatility, power, ease of maintenance and installation makes the new 280 Series the only choice for your vocational truck requirements.



- Fire and Rescue
- Refuse
- **Aerial Devices**

Contact Information:

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Product Features and Benefits:

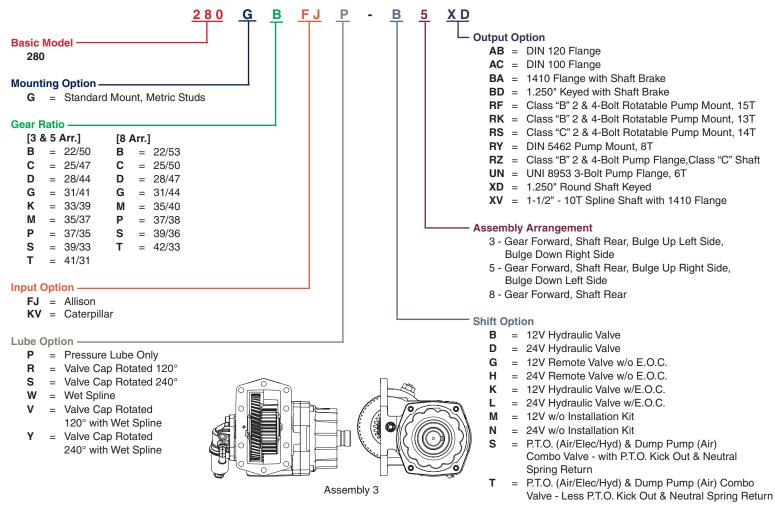
- It will feature a single continuous duty torque rating. No more intermittent rating.
- Torque capacity ratings have been increased.
- Pump clearance issues have been improved with rotatable cast iron flanges.
- New positive stop for driveline outputs; eliminates ability for shaft couplings to damage oil seals.
- Wet Spline Pump Flange option provides 7 to 10 times greater shaft life.

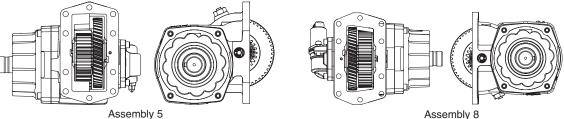
- Broader coverage of speed ranges expanding from 5 ratios to 9 ratios.
- Lower and higher speed now available.
- The pressure / lube hose will be included with the new 280 Series. No need to order separately.
- Three option positions for the integrated solenoid valve. Plus, a remote mounted option provides maximum clearance.





280 SERIES POWER TAKE-OFF MODEL NUMBER DESIGNATOR & SPECIFICATIONS





| Specifications Chart | | | | | | | | | |
|--|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 280*B | 280*C | 280*D | 280*G | 280*K | 280*M | 280*P | 280*S | 280*T |
| Standard Output Shaft Size | 1-1/4" Round w/key | | | | | | | | |
| Intermittent & Continuos Torque Rating (Lbs. ft.) | 300 | 390 | 390 | 360 | 340 | 318 | 290 | 265 | 240 |
| Intermittent & Continuos Torque Rating (N.m.) | 407 | 529 | 529 | 488 | 461 | 431 | 393 | 359 | 325 |
| Horsepower Rating for Intermittent & Continuos Service | | | | | | | | | |
| At 500 R.P.M. of Output Shaft (HP) | 29 | 37 | 37 | 34 | 32 | 30 | 28 | 25 | 23 |
| At 1000 R.P.M. of Output Shaft (HP) | 57 | 74 | 74 | 69 | 65 | 61 | 55 | 50 | 46 |
| At 500 R.P.M. of Output Shaft (Kw) | 21 | 28 | 28 | 26 | 24 | 23 | 21 | 19 | 17 |
| At 1000 R.P.M. of Output Shaft (Kw) | 43 | 56 | 56 | 51 | 48 | 45 | 41 | 38 | 34 |
| Approximate Weight | 49 lbs. [22 kg] | | | | | | | | |

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