

# Chelsea® 277 Series

Available with the Shaft Brake Option



## Overview:

Quality knows quality, that's why Allison chose Chelsea to join their engineers in developing P.T.O.s specifically for the Allison World Transmissions. The versatile 277 Series Powershift exceeds the torque capacity of a 6-Bolt P.T.O. while offering the tighter sealing of a 10-Bolt pattern. It is available in five speed ratios and multiple output types, including Chelsea's popular 360° rotatable flange. The 277 Series also features the SuperTorque™ option which provides up to 20% more torque capacity than a standard 277 Series.

- Refuse
- Aerial
- Snow & Ice Removal
- Fire & Rescue



## Product Features and Benefits:

### Contact Information:

Parker Hannifin Corporation  
**Chelsea Products Division**  
8225 Hacks Cross Road  
Olive Branch, MS 38654 USA

**Phone: 1-888-PH4-TRUK**  
**(1-888-744-8785)**

**Fax: 1-662-895-1069**  
**chelseacustserv@parker.com**

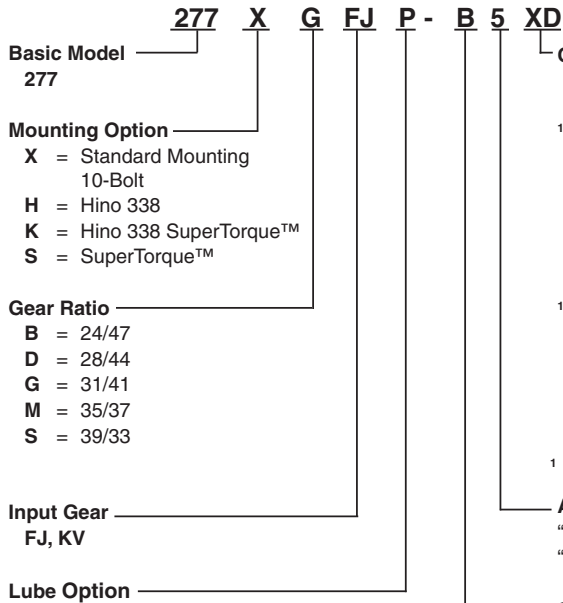
[www.parker.com/chelsea](http://www.parker.com/chelsea)

- Exceeds the torque capacity of a 6-Bolt P.T.O. while offering the tighter sealing of a 10-Bolt pattern
- Five speed ratios and eighteen output options
- Combo Valve shift option available for P.T.O./Dump Pump systems
- SuperTorque™ gears available for 20% higher intermittent torque ratings
- Cartridge Valve Assembly for reduced interference
- Wet Spline Options available
- Shaft Brake option (patent #7159701) available for product pump applications
- Industry First Rotatable Wet Spline



ENGINEERING YOUR SUCCESS.

# Model Number Designation

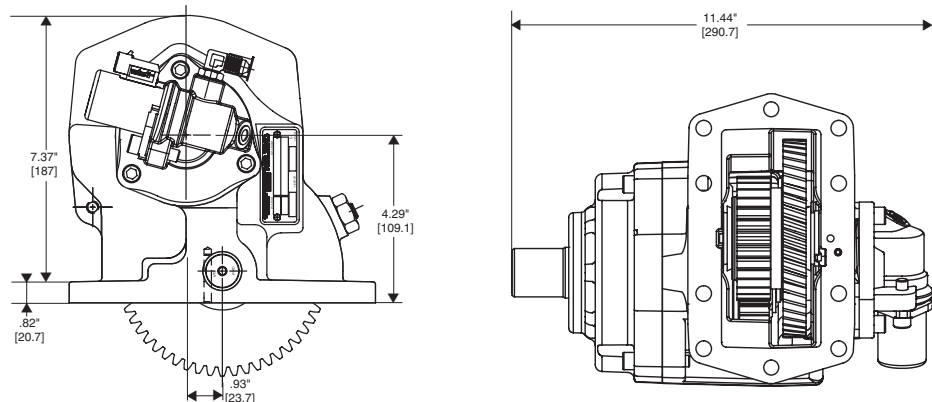


- Output Option**
- XD** = 1-1/4" Rd Standard Shaft
  - XE** = S.A.E. "A" 2-Bolt 5/8" - 9T
  - <sup>1</sup> **XK** = S.A.E. "B" 2/4-Bolt 7/8" - 13T
  - XP** = S.A.E. "A" 2-Bolt 7/8" - 13T
  - XR** = Chelsea Special 7/8" - 13T
  - XX** = Tapered Output Shaft
  - XV** = 1-3/8" - 10T Spline w/1410 Companion Flange
  - XY** = DIN 5462 8T
  - <sup>1</sup> **AF** = S.A.E. "BB" 2 or 4-Bolt 1" - 15T
  - RF** = Rotatable S.A.E. "BB" 2-Bolt 1" - 15T
  - RG** = Rotatable S.A.E. "BB" 4-Bolt 1" - 15T
- <sup>1</sup> Can be ordered with or without Wetspline

**Assembly Arrangement**

"5" - Gear Forward, Shaft Rear, Bulge Down - Left Side of Transmission  
 "3" - Gear Forward, Shaft Rear, Bulge Down - Right Side of Transmission

- Shift Option**
- B** = 12V Hydraulic Valve
  - D** = 24V Hydraulic Valve
  - <sup>2</sup> **F** = 24V Remote Valve Kit 329392X
  - G** = 12V Remote Hydraulic Valve
  - H** = 24V Remote Hydraulic Valve
  - K** = 12V Electronic Overspeed Ctrl
  - L** = 24V Electronic Overspeed Ctrl
  - <sup>2</sup> **M** = 12V Minus Installation Kit 329024-12X
  - <sup>2</sup> **N** = 24V Minus Installation Kit 329024-24X
  - S** = P.T.O. & Combo Valve
  - T** = P.T.O. & Combo Valve Less Kick Out & Neutral Spring Return
- <sup>2</sup> Europe Only



## Series Specifications Chart – 277 Series

	277*B	277*D	277*G	277*M	277*S	277SB	277SD	277SG	277SM	277SS
	SuperTorque™									
Standard Output Shaft Size	1-1/4" Round w/key					SuperTorque™				
Intermittent Torque Rating (Lbs. ft.)	335	325	300	265	250	402	390	360	318	265
Intermittent Torque Rating (N.m.)	454	441	407	359	339	545	529	488	431	359
Horsepower Rating for Intermittent Service										
At 500 R.P.M. of Output Shaft (HP)	32	31	29	25	24	38	37	34	30	25
At 1000 R.P.M. of Output Shaft (HP)	64	62	57	50	48	77	74	69	61	50
At 500 R.P.M. of Output Shaft (Kw)	24	23	21	19	18	29	28	26	23	19
At 1000 R.P.M. of Output Shaft (Kw)	48	46	43	38	36	57	56	51	45	38
Approximate Weight:						49 lbs. [22 kg]				



ENGINEERING YOUR SUCCESS.