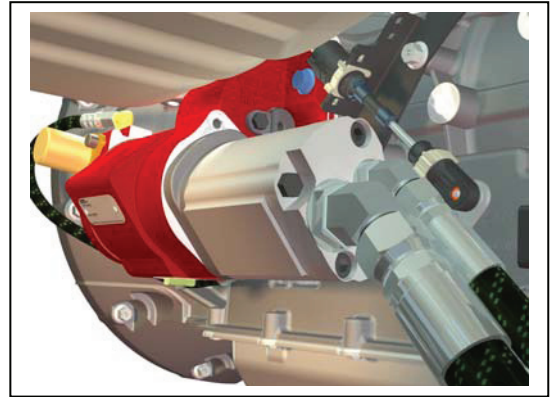


New Pump Options for 248 Series

With the growing demand for the Chelsea 248 Series Power Take-Off (P.T.O.) used on the new Ford TorqShift 6™ transmission and expanding vocational markets, we have added to our pump offerings for 4 x 4 and 4 x 2 applications.

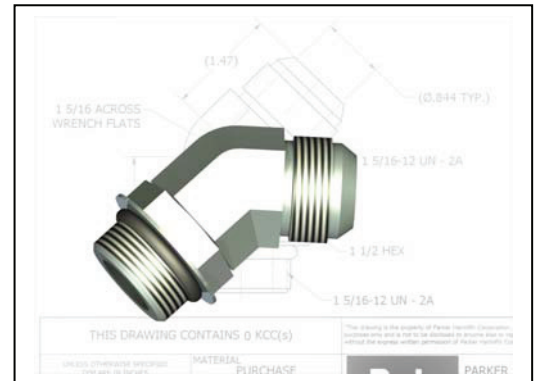
Four new Parker P11 Pumps have been added to the selection:

- Max flows from 16.7-17.4 gpm
- Continuous pressures from 2250-3265 psi
- Rear Ported 1.0" O-Ring Inlet and a 5/8" O-Ring Outlet
- See Back of this bulletin for pump model numbers and order codes



The Chelsea CGP-P11 pumps are specifically engineered to install with maximum allowable clearance on Ford Super Duty 4 x 4 and 4 x 2 applications. Included with the pumps are two pump mounting bolts for installation. A 9/16" socket is used to fasten the bolts to the P.T.O.

- Optional Male Straight Thread O-ring adapter fitting kit is available. Chelsea Kit Number 329667X provides the two 45° fittings for hydraulic hose connection and clearance
- When installing the adapter fittings it is recommended to install the fittings before mounting the pump to the P.T.O. on the vehicle. Install the outlet port fitting first and then the inlet
- Orders will be accepted on or after October 15, 2010



If you have questions about this bulletin or other technical questions, contact us at:

US: Chelsea Customer/Technical Services at **1-888-PH4-TRUK** (1-888-744-8785)
Canada: Parker Hannifin Canada at 905-693-3020

Walt Harris
Product Sales Manager
Chelsea Products

Pump Chart for MY2011 Ford Super Duty w/ TorqShift 6™ Automatic Transmission

Chelsea Application Page - FRD-10

Chelsea CGP-P11 Series Pump Specifications for 4X4 or 4X2 Vehicles (3/4"-11 Tooth Pump Spline)										
Order Code w/ PTO (3)	Chelsea Pump Model	Displacement in ³ /rev	GPM (1)		Torque (1)		Pressure PSI		Max Speed RPM	
			HP	ft-lbs	Intermittent	Continuous	Pump	Engine (2)	Pump	Engine (2)
16	CGP-P11A016-5GC	0.37	1.99	4.2	17.8	3990	3625	3500	2823	5.6
26	CGP-P11A026-5GC	0.61	3.27	6.9	29.3	3990	3625	3400	2742	9.0
32	CGP-P11A032-5GC	0.73	3.92	8.3	35.1	3990	3625	2500	2016	7.9
37	CGP-P11A037-5GC	0.85	4.56	9.6	40.9	3990	3625	2500	2016	9.2
42	CGP-P11A042-5GC	0.98	5.26	11.1	47.1	3990	3625	2100	1694	8.9
55	CGP-P11A055-5GC	1.28	6.87	13.7	57.9	3480	3410	1600	1290	8.9
61	CGP-P11A061-5GE	1.40	7.52	14.3	60.6	2900	3265	2750	2218	16.7
71	CGP-P11A071-5GE	1.65	8.86	14.2	60.3	2465	2755	2350	1895	16.8
82	CGP-P11A082-5GE	1.89	10.15	14.2	60.0	2320	2395	2100	1694	17.2
87	CGP-P11A087-5GE	2.01	10.79	14.2	60.0	2320	2250	2000	1613	17.4

Chelsea PGP-315 Series Pump Specifications for 4X2 Vehicles Only (3/4"-11 Tooth Pump Spline)										
Order Code	Chelsea Pump Model	Displacement in ³ /rev	GPM (1)		Torque (1)		Pressure PSI		Max Speed RPM	
			HP	ft-lbs	Intermittent	Continuous	Pump	Engine (2)	Pump	Engine (2)
08	CGP-P31B081-5AG	1.86	9.98	19.2	81.4		3300	3000	2419	24.2
09	CGP-P31B094-5AG	2.17	11.65	19.7	83.5		2900	3000	2419	28.2
11	CGP-P31B107-5AG	2.48	13.31	19.4	82.2		2500	3000	2419	32.2

Chelsea P16 Series Pump Specifications for 4X2 Vehicles Only (7/8"-13 Tooth Pump Spline)										
Order Code	Chelsea Pump Model	Displacement in ³ /rev	GPM (1)		Torque (1)		Pressure PSI		Max Speed RPM	
			HP	ft-lbs	Intermittent	Continuous	Pump	Engine (2)	Pump	Engine (2)
15	P16-150A-2D1	2.93	15.73	27.5	116.6		3000	2800	2258	35.5
18	P16-180A-2D1	3.51	18.85	24.2	102.5		2200	2500	2016	38.0
20	P16-200A-2D1	3.90	20.95	24.4	103.5		2000	2200	1774	37.2

(1) GPM & Pump Input HP @ 1000 Engine RPM & 1240 P.T.O. Output Shaft RPM & Continuous Pressure Rating

(2) Max Engine Speed = (Max Pump Speed) / (1.24) for PTO Ratio Increase

(3) For Pump Codes 61, 71, 82 & 87 - 45 degree fittings are required to connect hydraulic hoses for clearance. Order Kit number 329667X

NOTE: The new FRD-10 pump chart has been enhanced to include Intermittent/Continuous Pressure, Maximum Pump/Engine Speed and Maximum Pump Flow. This will help you in the selection of the correct Pump for your application. We have also recalculated the Gallon Per Minutes (GPM) at 1000 Engine RPM as a starting point for your calculations.