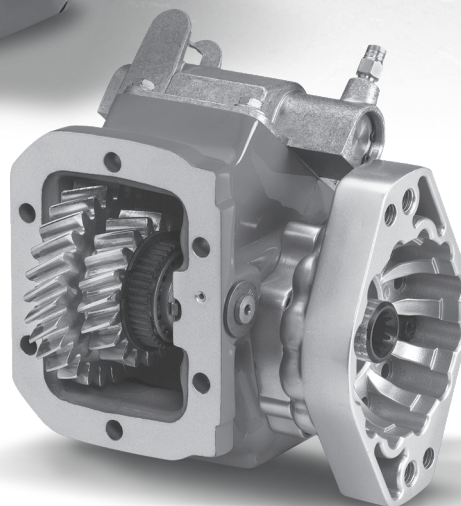
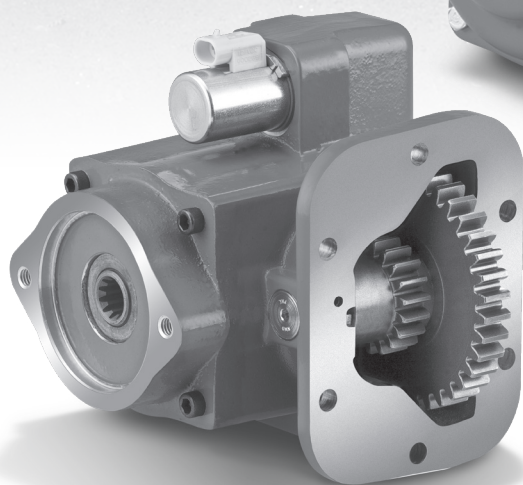
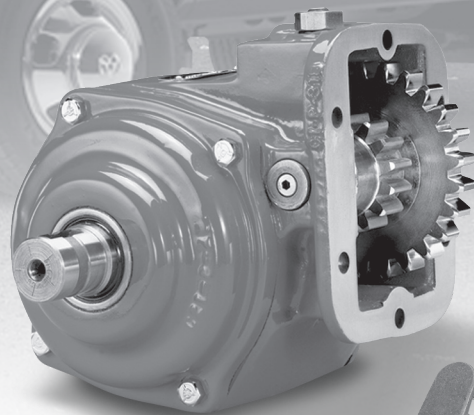


DODGE



ENGINEERING YOUR SUCCESS.

**WARNING — User Responsibility**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

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January 2012

DODGE TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
AS68RC (MY2007 to MY2012)	DDG-1	6	R69
G56 (Dodge/RAM Cab Chassis w/Manual)	DDG-2	6	L52-R52
AS69RC (MY2013 and After)	DDG-3	6	R69

Dodge



IMPORTANT: See Safety Information
in Section 1 of the Chelsea Applications
catalog HY25-3000/US.

Transmission P.T.O. Driver & Aperatures (Viewed from Rear of Transmission)

L-Left Side R-Right Side B-Bottom Side T-Top Side

For transmission not listed, contact your authorized Chelsea Distributor.

July 2013

AS68RC (MY2007 to 2012)

RIGHT SIDE MY2010 and Prior

RIGHT SIDE MY2011 and MY2012

TRANSMISSION GEAR DATA:

R.H. 06-Bolt Opening Gear FORWARD of Centerline

69 Teeth - SPUR

PITCH LINE APERTURE FACE:

1.1200" (28.4480MM)

TRANSMISSION GEAR DATA:

R.H. 06-Bolt Opening Gear FORWARD of Centerline

69 Teeth - SPUR

PITCH LINE APERTURE FACE:

1.1200" (28.4480MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - POWERSHIFT (HYDRAULIC)

252DDKUX-*5 (1)	85	Eng	99				Furnished	252RDKUX-*5 (1)	85	Eng	99				Furnished
252DMKUX-*5 (2)	50	Eng	144				Furnished	252RMKUX-*5 (2)	50	Eng	144				Furnished
270DAKUP-*3 (3)	208	Eng	65				Furnished	270RAKUP-*3 (3)	208	Eng	65				Furnished
270DBKUP-*3 (4)	159	Eng	85				Furnished	270RBKUP-*3 (4)	159	Eng	85				Furnished
270DDKUP-*3 (5)	138	Eng	98				Furnished	270RDKUP-*3 (5)	138	Eng	98				Furnished
270DKKUP-*3 (6)	102	Eng	132				Furnished	270RKKUP-*3 (6)	102	Eng	132				Furnished
270DQKUP-*3 (7)	77	Eng	176				Furnished	270RQKUP-*3 (7)	77	Eng	176				Furnished

252 Pumps

Pumps Offered in the PGP511 with 5/8" - 9T or 3/4" - 11T Shaft / S.A.E. "A" Flange

Option Order Code	Chelsea Pump Model	Displacement in ³ /rev	Displacement Gal/rev	Max Pressure PSI	Max Speed RPM	Shaft Size
1116	CGP-P11C016-1AC	0.37	0.002	3988	4000	5/8" 9T
1121	CGP-P11C021-1AC	0.49	0.002	3988	4000	5/8" 9T
1126	CGP-P11C026-1AC	0.61	0.003	3988	3600	5/8" 9T
1129	CGP-P11C029-1AC	0.67	0.003	3988	3600	5/8" 9T
1137	CGP-P11C037-1AC	0.85	0.004	3988	3300	5/8" 9T
1449	CGP-P31C054-1AE	1.24	0.005	3500	3000	5/8" 9T
1462	CGP-P31C061-1AE	1.40	0.006	3500	3000	5/8" 9T
P37	CGP-P11C037-5AC	0.85	0.004	3988	3300	3/4" 11T
P42	CGP-P11C042-5AC	0.98	0.004	3988	3000	3/4" 11T
P71	CGP-P11C071-5AC	1.65	0.007	2900	2400	3/4" 11T
P82	CGP-P11C082-5AC	1.89	0.008	2465	2300	3/4" 11T

270 Pumps (Pumps Ordered Separately)

Pumps Offered in the PGM20 with Bi-directional rotation-S.A.E. "B" Shaft / S.A.E. "B" Flange

Chelsea Pump Model	Displacement in ³ /rev	Displacement Gal/rev	Cont. Pressure PSI	Max Speed RPM	Shaft Size
3089210081	1.97	0.009	3000	2400	7/8" 13T
3089210091	2.46	0.011	3000	2400	7/8" 13T
3089210082	2.96	0.013	3000	2400	7/8" 13T
3089210083	3.45	0.015	2500	2400	7/8" 13T
3089210084	3.94	0.017	2500	2400	7/8" 13T
3089210089	3.94	0.017	2500	2400	7/8" 13T

CAUTION: It is Required that Chelsea Wiring Harness (329457X) is used for the 270D and (329621X) is used for the 252D (Model Year 2010 and Prior). For MY2011/2012 Trucks, the 252R uses Wiring Harness (329663X) and the 270R uses (329664X). This will Allow the ODB II Monitoring System to be Disabled while the P.T.O. System is being Operated. This will Prevent "False" Lighting of the "Check Engine" Lamp due to the Engine-P.T.O. Driven Accessories

NOTE: The "R" mounting option is for PTO's on Ram (Dodge) Model Year 2011/2012. This will include the correct wiring harness for these vehicles. The "D" mounting option is for Dodge MY2010 and prior.

NOTE: For MY2011/2012 RAM Cab Chassis Trucks, the torque converter locks up at an ENGINE Speed of 1200 RPM and stays on for P.T.O. function to a maximum ENGINE Speed of 2000 RPM. The torque converter will unlock at an ENGINE Speed below 1000 RPM. The default PTO operation ENGINE speed is 900 RPM. Refer to Dodge Body Builders web site for details on raising the ENGINE speeds for P.T.O. operation.

NOTE: The P.T.O. output shaft torque ratings are based on the maximum allowable torque at the 69 tooth transmission gear of 135 lbs.-ft.

NOTE: When ordering the 270 Series; Hose Kit, Wire Harness Kit and Metric Stud Kit are furnished with the P.T.O. The hose, wire harness and metric stud kits are required for completing the 270 Series installation. When ordering the 252 Series, the High Pressure Hose, the Installation Kit w/wiring harness, and Metric Stud Kit are furnished with the P.T.O. The hose, wire harness and metric stud kit are

- (1) Input Gear Part No. 5-P-1427
 (2) Input Gear Part No. 5-P-1437
 (3) Input Gear Part No. 5-P-1353
 (4) Input Gear Part No. 5-P-1354

- (5) Input Gear Part No. 5-P-1355
 (6) Input Gear Part No. 5-P-1356
 (7) Input Gear Part No. 5-P-1359

July 2013

4.5.2

Parker Hannifin Corporation
 Chelsea Products Division
 Olive Branch, MS 38654 USA

G56

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

L.H. 06-Bolt Opening Gear REAR of Centerline

52 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.3760" (35.0000MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442LLKH-X*6 (1)	250	Opp	67					7170-72X
442LQKH-X*6 (1)	225	Opp	72					7170-72X
442LRKH-X*6 (1)	225	Opp	84					7170-72X
442LSKH-X*6 (1)	200	Opp	100					7170-72X
442LUKH-X*6 (1)	195	Opp	119					7170-72X
442LWKH-X*6 (1)	175	Opp	140					7170-72X
442LXKH-X*6 (1)	140	Opp	165					7170-72X

PGP511 Pumps w/Counter Clockwise Rotation - S.A.E. "A" Shaft/S.A.E. "A" Flange P.T.O. Shaft (REARWARD)**P.T.O. to order with this pump Option 442L*KHX-W6RC**

Chelsea Pump Model	Displacement in ³ /rev	Displacement Gal/rev	Max Pressure PSI	Max Speed RPM
CGP-P11A016-1AC	0.37	0.0016	3988	4000
CGP-P11A026-1AC	0.60	0.0026	3988	3600
CGP-P11A029-1AC	0.67	0.0029	3988	3600
CGP-P11A037-1AC	0.85	0.0037	3988	3300

PGP511 Pumps w/Clockwise Rotation - S.A.E. "A" Shaft/S.A.E. "A" Flange P.T.O. Shaft (FORWARD)**P.T.O. to order with this pump Option 442L*KHX-W3RC**

Chelsea Pump Model	Displacement in ³ /rev	Displacement Gal/rev	Max Pressure PSI	Max Speed RPM
CGP-P11C016-1AC	0.37	0.0016	3988	4000
CGP-P11C026-1AC	0.60	0.0026	3988	3600
CGP-P11C029-1AC	0.67	0.0029	3988	3600
CGP-P11C037-1AC	0.85	0.0037	3988	3300

PGP517 Pumps w/Clockwise Rotation - S.A.E. "B" Shaft/S.A.E. "A" Flange P.T.O. Shaft (FORWARD)**P.T.O. to order with this pump Option 442L*KHX-W3RD**

Chelsea Pump Model	Displacement in ³ /rev	Displacement Gal/rev	Continuous Pressure PSI	Max Speed RPM
CGP-P17C050-2AN	1.16	0.0050	3625	3300
CGP-P17C066-2AN	1.52	0.0066	3625	3100
CGP-P17C087-2AN	2.01	0.0087	3625	3100
CGP-P17C100-2AN	2.31	0.0100	3625	3000
CGP-P17C137-2AN	3.16	0.0137	2900	2600

CAUTION: For Dodge Model Years 2007-2010 Chelsea Wiring Harness 32460X and for RAM Model Years 2011 and Later Chelsea Wiring Harness 329749X Must be Used to Complete the Installation (Order Separately). This will Allow the ODB II Monitoring System to be Disabled While the P.T.O. System is being Operated.

NOTE: P.T.O.s are shown in the Standard Arrangements with the P.T.O. Housing "Bulge" Down and the Output Shaft to the Rear of the Vehicle. Other Arrangements may be needed to Install P.T.O./Pump Applications due to the Transmission Cross Member Support Interfering with Pump Installations to the Rear of the Vehicle.

NOTE: P.T.O.s will fit on 4 x 4 Dodge/Sterling 3500/4500/5500 Series Vehicles.

(1) Input Gear Part No. 5-P-1343

July 2013

Dodge

AS69RC (MY2013 and Later)

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

R.H. 06-Bolt Opening Gear FORWARD of Centerline

69 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.1200" (28.4480MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - POWERSHIFT (HYDRAULIC)

252RDKUX-*5 (1)	85	Eng	99	Furnished
252RMKUX-*5 (2)	50	Eng	144	Furnished
270RAKUP-*3 (3)	300	Eng	65	Furnished
270RBKUP-*3 (4)	295	Eng	85	Furnished
270RDKUP-*3 (5)	255	Eng	98	Furnished
270RKKUP-*3 (6)	189	Eng	132	Furnished
270RQKUP-*3 (7)	142	Eng	176	Furnished

252 Pumps

Pumps Offered in the PGP511 with 5/8" - 9T or 3/4" - 11T Shaft / S.A.E. "A" Flange

Option Order Code	Chelsea Pump Model	Displacement in ³ /rev	Displacement Gal/rev	Max Pressure PSI	Max Speed RPM	Shaft Size
1116	CGP-P11C016-1AC	0.37	0.002	3988	4000	5/8" 9T
1121	CGP-P11C021-1AC	0.49	0.002	3988	4000	5/8" 9T
1126	CGP-P11C026-1AC	0.61	0.003	3988	3600	5/8" 9T
1129	CGP-P11C029-1AC	0.67	0.003	3988	3600	5/8" 9T
1137	CGP-P11C037-1AC	0.85	0.004	3988	3300	5/8" 9T
1449	CGP-P31C054-1AE	1.24	0.005	3500	3000	5/8" 9T
1462	CGP-P31C061-1AE	1.40	0.006	3500	3000	5/8" 9T
P37	CGP-P11C037-5AC	0.85	0.004	3988	3300	3/4" 11T
P42	CGP-P11C042-5AC	0.98	0.004	3988	3000	3/4" 11T
P71	CGP-P11C071-5AC	1.65	0.007	2900	2400	3/4" 11T
P82	CGP-P11C082-5AC	1.89	0.008	2465	2300	3/4" 11T

270 Pumps (Pumps Ordered Separately)

Pumps Offered in the PGM20 with Bi-directional rotation-S.A.E. "B" Shaft / S.A.E. "B" Flange

Chelsea Pump Model	Displacement in ³ /rev	Displacement Gal/rev	Cont. Pressure PSI	Max Speed RPM	Shaft Size
3089210081	1.97	0.009	3000	2400	7/8" 13T
3089210091	2.46	0.011	3000	2400	7/8" 13T
3089210082	2.96	0.013	3000	2400	7/8" 13T
3089210083	3.45	0.015	2500	2400	7/8" 13T
3089210084	3.94	0.017	2500	2400	7/8" 13T
3089210089	3.94	0.017	2500	2400	7/8" 13T

CAUTION: For MY2013 and Later Trucks, the 252R uses Wiring Harness (329663X) and the 270R uses (329664X). This will Allow the ODB II Monitoring System to be Disabled while the P.T.O. System is being Operated. This will Prevent "False" Lighting of the "Check Engine" Lamp due to the Engine-P.T.O. Driven Accessories

NOTE: For MY2013 and later RAM Cab Chassis Trucks, the torque converter locks up at an ENGINE Speed of 1200 RPM and stays on for P.T.O. function to a maximum ENGINE Speed of 2000 RPM. The torque converter will unlock at an ENGINE Speed below 1000 RPM. The default PTO operation ENGINE speed is 900 RPM. Refer to Dodge Body Builders web site for details on raising the ENGINE speeds for P.T.O. operation.

NOTE: When ordering the 270 Series; Hose Kit, Wire Harness Kit and Metric Stud Kit are furnished with the P.T.O. The hose, wire harness and metric stud kits are required for completing the 270 Series installation. When ordering the 252 Series, the High Pressure Hose, the Installation Kit w/wiring harness, and Metric Stud Kit are furnished with the P.T.O. The hose, wire harness and metric stud kit are required for completing the 252 Series installation.

NOTE: To install the 270 or 252 Series on the RIGHT SIDE, the truck exhaust pipe and transmission support must be dropped. Or installed through the passenger side floor "cut out". An OEM installed passenger side floor pan modification "Bulge" cut out must be installed. Order Mopar #82211579 "Patch Panel" Installation Kit if not Installed. Refer to Dodge Body Builders web site for complete details under "Chassis cab PTO Operation & Installation Guide-PTO Installation Alternative".

(1) Input Gear Part No. 5-P-1427
 (2) Input Gear Part No. 5-P-1437
 (3) Input Gear Part No. 5-P-1353
 (4) Input Gear Part No. 5-P-1354

(5) Input Gear Part No. 5-P-1355
 (6) Input Gear Part No. 5-P-1356
 (7) Input Gear Part No. 5-P-1359

July 2013