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ProGear AND TRANSMISSION

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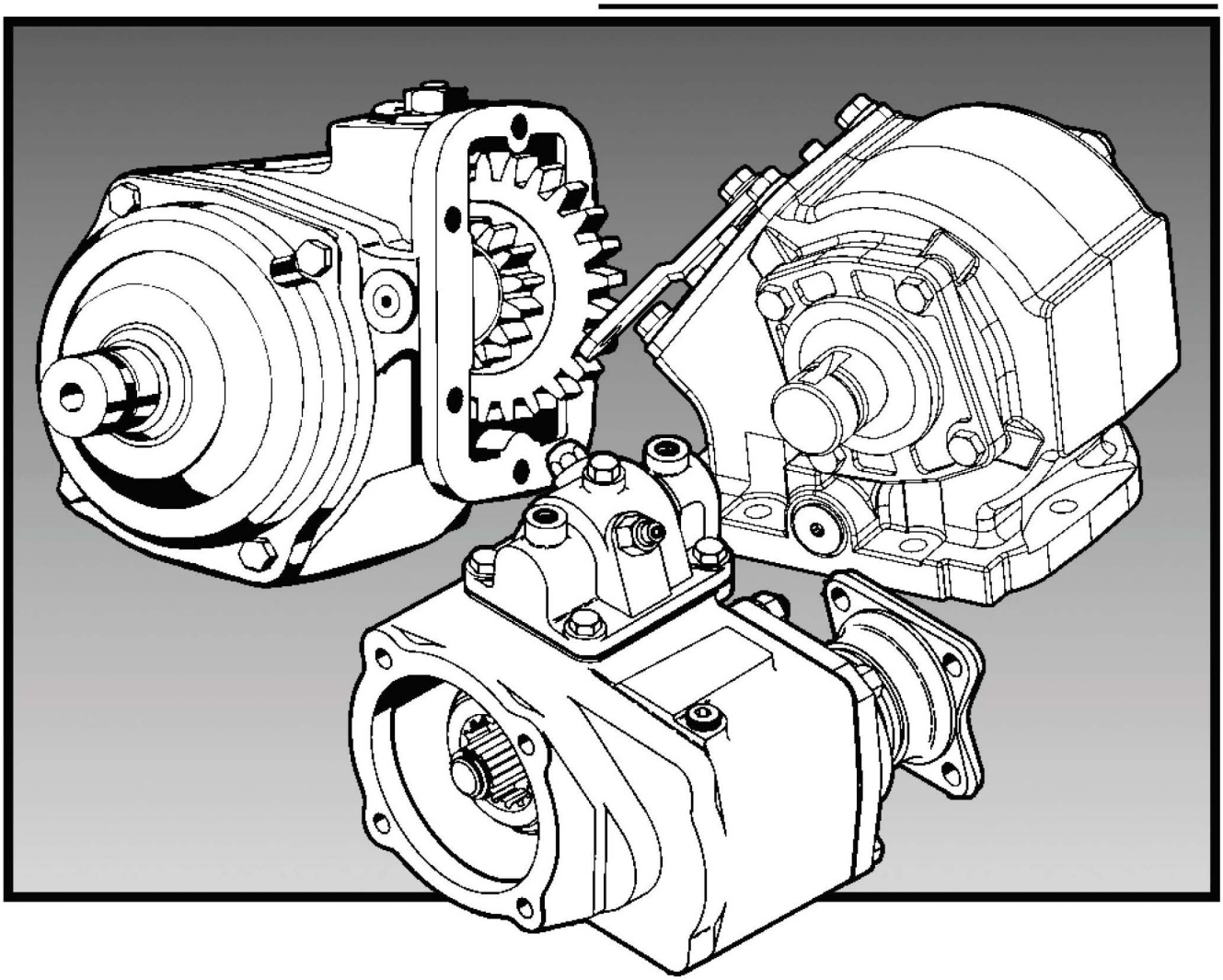
(877) 776-4600 or (407) 872-1901 parts@eprogear.com

# CHELSEA®
# Replacement Parts List
# 912 Series Manual

Bulletin HY25-2912-M1/US

Effective: December 15, 2001
Supersedes: P410-912 Dated March 2000



Parker

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## ⚠ WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS 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 and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

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Olive Branch, MS 38654 USA

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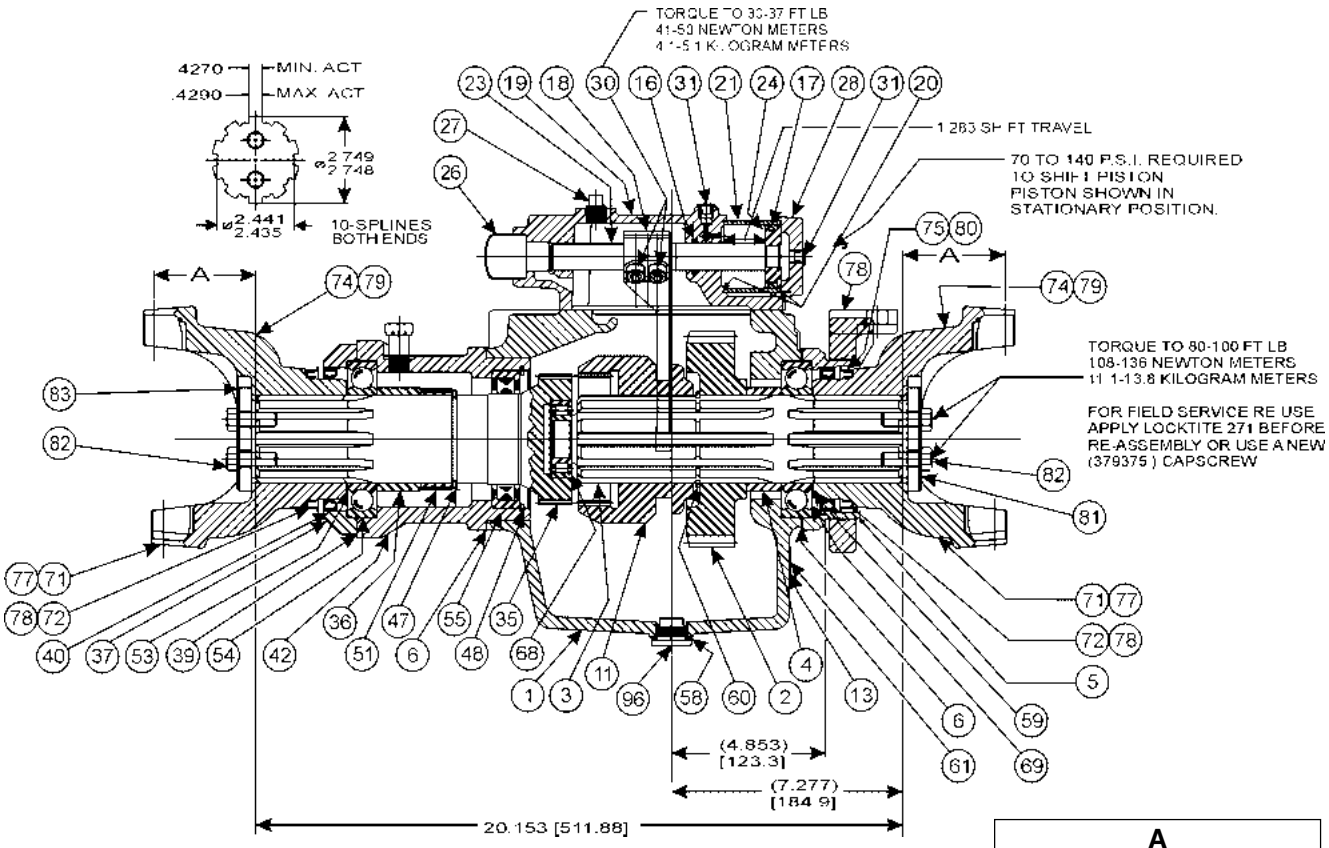
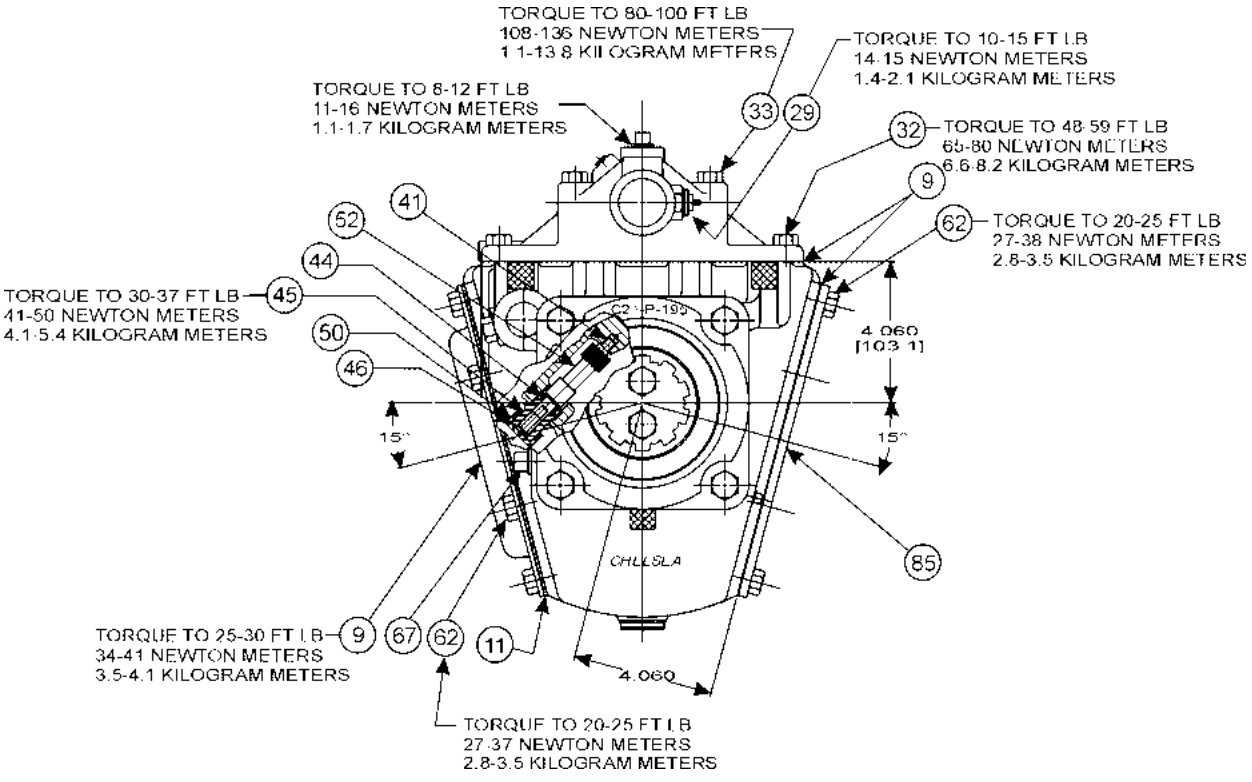



| A |
|---|
| SPL-170 ..... 3.088 [78.44] |
| 1710 ..... 2.988 [75.89] |
| SPL-250 ..... 3.538 [89.86] |
| 1810 ..... 3.300 [83.82] |
| 1610 Flange .. 1.253 [31.83] |



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| Item | | Part Number | Description | Quantity |
|---|---|---|---|---|
| 1 | ▶ | 1-P-484 | Housing (912 Series) | 1 |
| 2 | ▶ | 2-P-710 | P.T.O. Drive Gear | 1 |
| 3 | ▶ | 3-P-848 | Drive Shaft, Input | 1 |
| 4 | ▶ | 4-P-87 | Spacer, Bearing | 1 |
| 5 | ▶ | 21-P-513 | Bearing Retainer, Input | 1 |
| 6 | ▶ | 22-P-45 | Gasket | 2 |
| 7 | ▶ | 28-P-237 | Oil Seal | 1 |
| 9 | ▶ | 34-P-53 | Cover Plate | 2 |
| 10 | | 35-P-15-2 | Gasket, Cover (.020" Thick) | 2 |
| 11 | ▶ | 35-P-32 | Gasket, Cover Plate (.094" Thick) | 1 |
| 12 | ▶ | 57-P-11 | Sliding Clutch | 1 |
| 13 | ▶ | 68-P-2 | Name Plate | 1 |
| | ▶ | 329063X | AIR SHIFT COVER ASSEMBLY, 912 Series | 1 |
| 16 | ▶ | 28-P-114 | O-Ring | 1 |
| 17 | ▶ | 28-P-115 | O-Ring | 1 |
| 18 | ▶ | 32-P-164 | Shifter Fork | 1 |
| 19 | ▶ | 34-P-109 | Shifter Cover | 1 |
| 20 | ▶ | 35-P-30 | Gasket | 2 |
| 21 | ▶ | 65-P-13 | Cyl. Air Shift | 1 |
| | ▶ | 329064X | Shifter Shaft Sub Assembly | 1 |
| 23 | | 11-P-148 | Shifter Shaft | 1 |
| 24 | | 66-P-8 | Piston | 1 |
| 25 | ▶ | 378431-26 | Cap Screw, Hex Head | 2 |
| 26 | ▶ | 378473 | Plug, Housing | 1 |
| 27 | ▶ | 378513 | Breather | 1 |
| 28 | ▶ | 378838 | Cylinder Cap | 1 |
| 29 | ▶ | 379652 | Indicator Switch | 1 |
| 30 | ▶ | 379374 | Capscrew, Socket Head | 2 |
| 31 | | 500897-3 | Shipping Plug | 2 |
| 32 | ▶ | 378432-11 | Cap Screw, Hex Head (.438"-14 x 1.125") w/Patch | 6 |
| 33 | ▶ | 378432-26 | Cap Screw, Hex Head (.438"-14 x 3.00") w/Patch | 2 |
| | ▶ | 329065X | Tail Shaft Sub ASSEMBLY (Items 35-55) (Ref. 3.750" Dia. Hub) | 1 |
| | ▶ | 329098X | Tail Shaft Sub ASSEMBLY, No Speedo (Items 35-55, Less Items 44 & 45) | 1 |
| 35 | ▶ | 3-P-821 | Output Shaft | 1 |
| 36 | ▶ | 4-P-145 | Spacer, Output Shaft | 1 |
| 37 | ▶ | 21-P-512 | Bearing Cap Output | 1 |
| N.S. | | 378513 | Breather | 1 |
| 39 | ▶ | 22-P-85 | Gasket, Output Cap | 1 |
| 40 | ▶ | 28-P-237 | Oil Seal | 1 |
| 41 | ▶ | 45-P-7 | Bushing | 1 |
| 42 | ▶ | 54-P-20 | Bearing Retainer | 1 |
| | ▶ | 328984X | Bushing Assembly, Speedo | 1 |
| 44 | | 28-P-181 | Seal | 1 |
| 45 | | 379337 | Bushing | 1 |
| 46 | ▶ | 378309 | Gasket Dust Cap | 1 |
| 47 | ▶ | 378357 | Lockring | 1 |
| 48 | ▶ | 378359 | Lockring | 1 |
| 49 | ▶ | 378433-12 | Capscrew, Hex Head | 4 |
| 50 | ▶ | 378512 | Dust Cap | 1 |
| 51 | | 379322 | Gear, Speedo-Drive | 1 |
| 52 | ▶ | 379333 | Gear, Speedo-Driven | 1 |
| 53 | ▶ | 379479 | Gasket, Shaft | 1 |
| 54 | ▶ | 550574 | Ball Bearing | 1 |
| 55 | ▶ | 550811 | Roller Bearing | 1 |
| 57 | ▶ | 378116 | Drain Plug | 1 |
| 58 | ▶ | 378117 | Gasket, Copper | 1 |
| 59 | ▶ | 379479 | Gasket, Shaft | 1 |

N.S. — Not Shown A.R. — As Required



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| Item | | Part Number | Description | Quantity |
|---|---|---|---|---|
| 60 | ▶ | **378357** | Retaining Ring | 1 |
| 61 | ▶ | **378422** | Drive Screw | 2 |
| 62 | ▶ | **378432-9** | Capscrew, Hex Head (.438"-14 X .875") w/Patch | 10 |
| 64 | ▶ | **378433-12** | Capscrew, Hex Head (.500"-13 X 1.25") w/Patch | 8 |
| 65 | ▶ | **379334** | Oil Level Caution Tag w/Wire Tie | 1 |
| 67 | | **500114-3** | Pipe Plug (.500"-14 N.P.T.F). | 1 |
| 68 | ▶ | **550443** | Roller Bearing | 1 |
| 69 | ▶ | **550574** | Ball Bearing | 1 |
| | | | **END YOKE OPTIONS** | |
| | | **6-4-6931-1X** | End Yoke & Slinger Ass'y, 1710 Series ($^1/_2$ Round) | 2 or |
| 71 | | **6-4-6821-1** | Yoke, 1710 Series | 1 |
| 72 | | **231616** | Slinger (Ref. Spicer No.) | 1 |
| | | **6.5-4-3561-1X** | End Yoke & Slinger Ass'y, 1810 Series ($^1/_2$ Round) | 2 or |
| 74 | | **6.5-4-3491-1** | Yoke, 1810 Series | 1 |
| 75 | | **231616** | Slinger (Ref. Spicer No.) | 1 |
| | | **170-4-521-1X** | End Yoke & Slinger Ass'y, SPL170 Series ($^1/_2$ Round) | 2 or |
| 77 | | **170-4-511-1** | Yoke, SPL170 Series | 1 |
| 78 | | **231616** | Slinger (Ref. Spicer No.) | 1 |
| | | **250-4-241-1X** | End Yoke & Slinger Ass'y, SPL250 Series ($^1/_2$ Round) | 2 or |
| 79 | | **250-4-231-1** | Yoke, SPL250 Series | 1 |
| 80 | | **231616** | Slinger (Ref. Spicer No.) | 1 |
| | | **5-1-6611X** | Companion Flange Ass'y | 2 |
| N.S. | | **2-5-6601** | 1610 Companion Flange | 1 |
| N.S. | | **231616** | Slinger (Ref. Spicer No.) | 1 |
| 81 | ▶ | **328799-3X** | Trunnion Block | 1 |
| 82 | ▶ | **379375** | Capscrew, Hex Head (.500"-20 X 1.250") w/Drylock 200 | 4 |
| 83 | ▶ | **379350** | Washer Lock Plate | 2 |
| 84 | ▶ | **379372** | Protective Shipping Net (Red) ("J" Assembly Only) | 2 |
| 85 | ▶ | **378280** | Shipping Cover | 1 |
| | | | **LOOSE PARTS** | |
| | | **328388-39X** | Installation Kit, Air Shift | 1 |
| | | | **SERVICE PARTS** | |
| | ▶ | **328948-10X** | Gasket & Installation Instructions | 1 |
| | ▶ | **328356-62X** | Seal Kit, Air shift | |
| | ▶ | **328356-63X** | Seal Kit, w/Speedometer | |
| | ▶ | **328356-64X** | Seal Kit, w/o Speedometer | |
| | ▶ | **328356-65X** | Seal Kit, Lever Shift | |

N.S. — Not Shown A.R. — As Required



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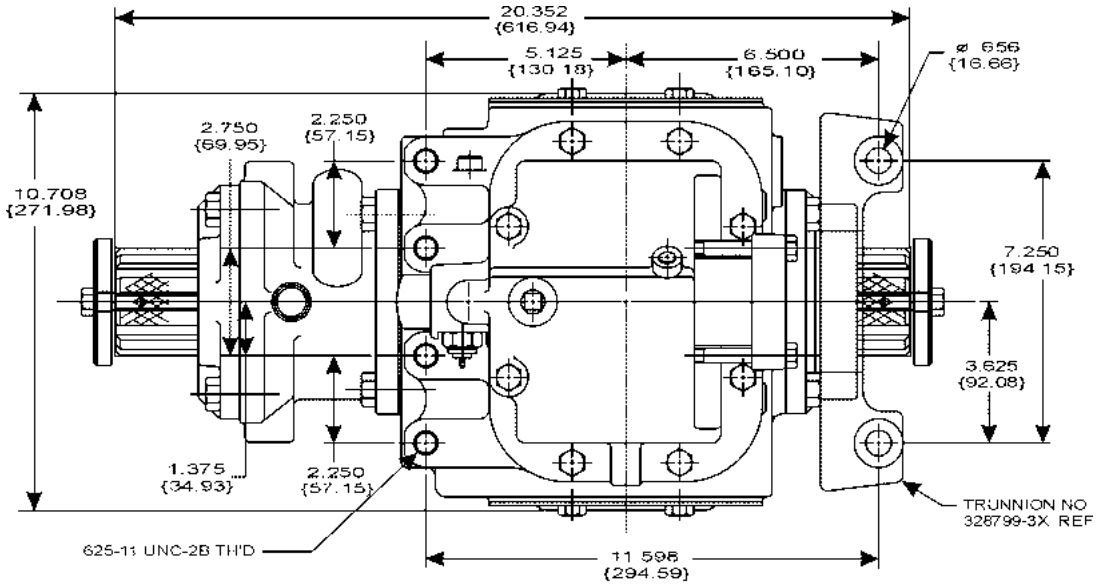
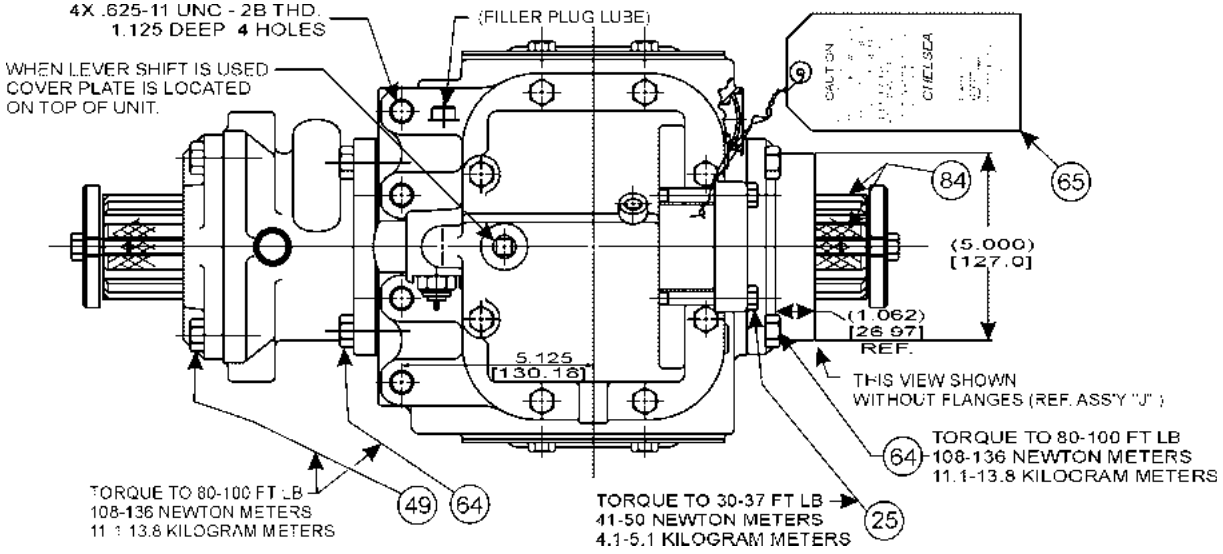



DIMENSIONS SHOWN ARE REFERENCE FOR MOUNTING



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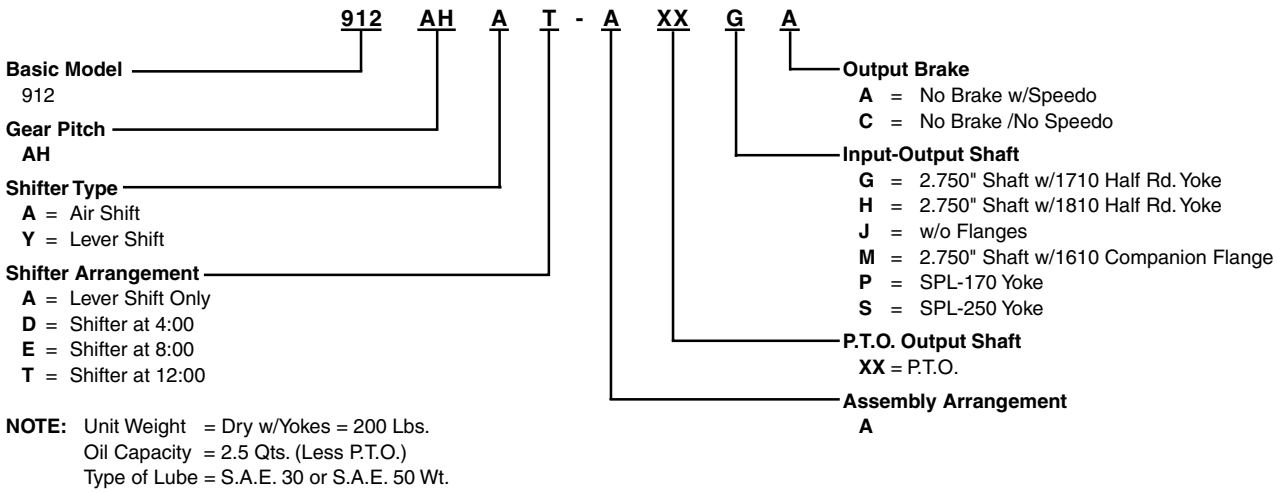
## Model Number Designation

## 912 Series




**NOTE:** Unit Weight = Dry w/Yokes = 200 Lbs.
Oil Capacity = 2.5 Qts. (Less P.T.O.)
Type of Lube = S.A.E. 30 or S.A.E. 50 Wt.



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## Notes



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**2. Payment:** Payment shall be made by Buyer net 30 days from the date of delivery of the items purchased hereunder. Amounts not timely paid shall bear interest at the maximum rate permitted by law for each month or portion thereof that the Buyer is late in making payment. Any claims by Buyer for omissions or shortages in a shipment shall be waived unless Seller receives notice thereof within 30 days after Buyer's receipt of the shipment.

**3. Delivery:** Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

**4. Warranty:** Seller warrants that the items sold hereunder shall be free from defects in material or workmanship for a period of:

(A) All Power Take-Off units one (1) year from date of installation.

(B) Except 267, 277, 278, 242, 244, 245, 250, 251 and 859 series two (2) years from date of installation. **THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER. SELLER MAKES NO OTHER WARRANTY, GUARANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING ARE HEREBY DISCLAIMED. NOTWITHSTANDING THE FOREGOING, THERE ARE NO WARRANTIES WHATSOEVER ON ITEMS BUILT OR ACQUIRED WHOLLY OR PARTIALLY, TO BUYER'S DESIGNS OR SPECIFICATIONS.**

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**7. Special Tooling:** A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

**8. Buyer's Property:** Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property, Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

**9. Taxes:** Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller or if Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.

**10. Indemnity For Infringement of Intellectual Property Rights:** Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Part 10. Seller will defend and indemnify Buyer against allegations of infringement of U.S. Patents, U.S. Trademarks, copyrights, trade dress and trade secrets (hereinafter 'Intellectual Property Rights'). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that an item sold pursuant to this contract infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using said item, replace or modify said item so as to make it noninfringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any item sold hereunder. The foregoing provisions of this Part 10 shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

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**12. Entire Agreement/Governing Law:** The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain there/to. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.

9/01-P

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