



## AW1122BCD Piston Pump Data

30 BHP Continuous Duty (36 BHP Intermittent Duty)



| Specifications                 |                             |
|--------------------------------|-----------------------------|
| Pump Model                     | AW1122BCD                   |
| Configuration                  | Horizontal Triplex Piston   |
| Number of Pistons              | 3                           |
| Stroke Length                  | 2.75 Inches (69.9 mm)       |
| Piston Load                    | 5940 lbs. (2,697 kg)        |
| Pump Weight                    | 460 lbs. (209 kg)           |
| Direction of Rotation          | Top of Shaft away from head |
| Internal Gear Rotation         | 3.6:1                       |
| Intermittent Duty Speed Rating | 900 RPM (Jackshaft)         |
| Continuous Duty Speed Rating   | 750 RPM (Jackshaft)         |
| Ball Valve Max Speed Rating    | 635 RPM (Jackshaft)         |
| Minimum Speed                  | 360 RPM                     |
| Mechanical Efficiency          | 85%                         |
| Lubrication System             | Splash, Gravity Return      |
| Lube Oil Capacity              | 1 Gallon                    |
| Lube Oil Type                  | SAE 30                      |
| Maximum Fluid Temperature      | 140°F (250° Capability)     |
| Minimum Fluid Temperature      | 0°F (-20° Capability)       |
| Standard Suction Size          | 2.00 Inch NPT (50.8 mm)     |
| Standard Discharge Size        | 1.25 Inch NPT (38.1 mm)     |
| Fluid End Material             | Ductile Iron                |
| Valve Type                     | Ball Valves                 |

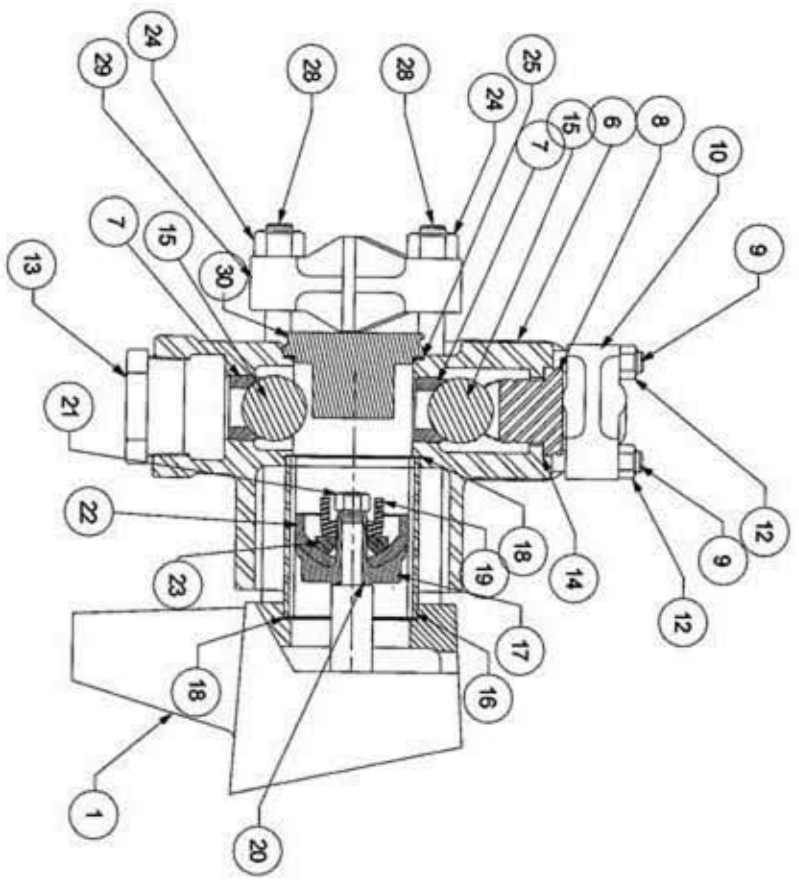
### AW1122BCD Performance Rating

| Piston |      | Displacement/REV |       | Maximum Pressure |                    | Pump Capacity @ Input Speed (RPM) |     |         |     |         |     |         |     |         |     |
|--------|------|------------------|-------|------------------|--------------------|-----------------------------------|-----|---------|-----|---------|-----|---------|-----|---------|-----|
|        |      |                  |       |                  |                    | 350 RPM                           |     | 500 RPM |     | 635 RPM |     | 750 RPM |     | 900 RPM |     |
| Inch   | mm   | Gallon           | Liter | PSI              | kg/cm <sup>2</sup> | gpm                               | lpm | gpm     | lpm | gpm     | lpm | gpm     | lpm | gpm     | lpm |
| 2.75   | 69.9 | 0.0589           | 0.223 | 1,000            | 70.3               | 20.6                              | 78  | 29.5    | 112 | 37.4    | 142 | 44.2    | 167 | 53      | 201 |

Specifications subject to change without notice.



|       |                |         |           |         |
|-------|----------------|---------|-----------|---------|
| RevNo | Revision note  | Date    | Signature | Checked |
| 1     | Original Issue | 4-11-06 | NA        | NA      |

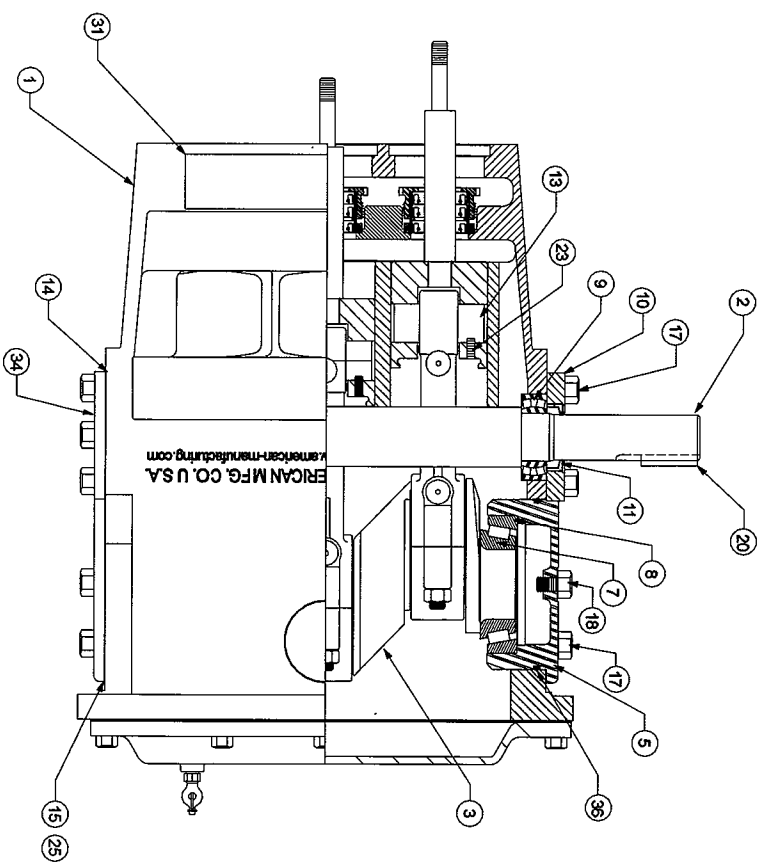


| ITEM | PART NUMBER   | PART NAME                             | QTY |
|------|---------------|---------------------------------------|-----|
| 1    | PPFMC 5251955 | POWER END ASSEMBLY                    | REF |
| 6    | PPFMC 1284777 | FLUID END                             | 1   |
| 7    | PPFMC 1284740 | SEAT                                  | 6   |
| 8    | PPFMC 1285113 | VALVE COVER                           | 3   |
| 9    | PPFMC A5076   | STUD                                  | 6   |
| 10   | PPFMC A80391  | CLAMP VALVE COVER                     | 3   |
| 12   | PPFMC 1121511 | NUT                                   | 8   |
| 13   | PPFMC 1105121 | PLUG                                  | 3   |
| 14   | PPFMC 1279675 | VALVE COVER GASKET                    | 3   |
| 15   | PPFMC 1101419 | BALL VALVE                            | 6   |
| 16   | PPFMC 1267586 | CYLINDER, 2.3/4" CERAMIC METAL BACKED | 3   |
| 17   | PPFMC A91663  | PISTON                                | 3   |
| 18   | PPFMC 1279676 | GASKET, CYLINDER                      | 6   |
| 19   | PPFMC A5016   | NUT, PISTON                           | 3   |
| 20   | PPFMC 1101176 | O-RING                                | 3   |
| 21   | PPFMC 8309    | NUT                                   | 3   |
| 22   | PPFMC A268N   | PISTON RUBBER 2.3/4"                  | 3   |
| 23   | PPFMC 1216753 | WASHER, PISTON                        | 3   |
| 24   | PPFMC 1121513 | NUT                                   | 8   |
| 25   | PPFMC 1279674 | GASKET                                | 3   |
| 27   | PPFMC 1279602 | STUD, CYLINDER LONG                   | 6   |
| 28   | PPFMC A91672  | STUD, CYLINDER SHORT                  | 2   |
| 29   | PPFMC A80392  | CLAMP, CYLINDER                       | 3   |
| 30   | PPFMC 1285112 | CYLINDER HEAD                         | 3   |

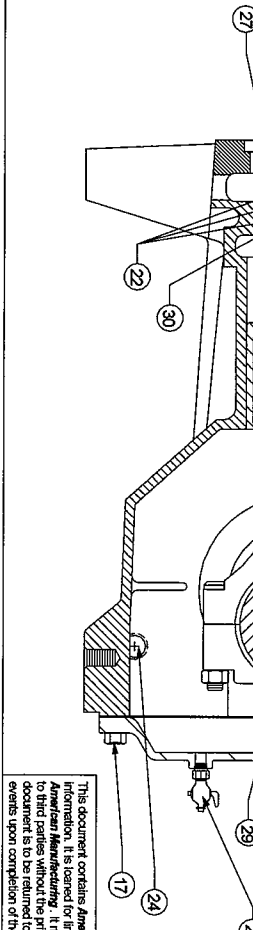
This document contains American Manufacturing proprietary and confidential information. It is issued for limited purposes only and remains the property of American Manufacturing. It may not be reproduced in whole or part or disclosed to third parties without the prior written consent of American Manufacturing. The document is to be returned to American Manufacturing upon request and in all events upon completion of the use for which it was used.

|                        |             |           |
|------------------------|-------------|-----------|
| American Manufacturing | Company     | TOM NEUTZ |
| PPFMC 5258126          | Part Number | 50448     |
| FLUID END ASSEMBLY     | Description | C         |

| RevNo | Revision note  | Date    | Signature | Checked |
|-------|----------------|---------|-----------|---------|
| 1     | Original Issue | 4-13-09 | NA        | NA      |



| ITEM | PART NUMBER   | PART NAME                       | QTY |
|------|---------------|---------------------------------|-----|
| 1    | PPFMC 5257698 | POWER FRAME                     | 1   |
| 2    | PPFMC P511596 | PINION SHAFT                    | 1   |
| 3    | PPFMC 1285094 | ECCENTRIC AND GEAR ASSEMBLY     | 1   |
| 4    | PPFMC 5266814 | CONNECTING ROD ASSEMBLY         | 3   |
| 5    | PPFMC 1248369 | HSG, ECCCT BRG                  | 1   |
| 6    | PPFMC P508969 | BACKCOVER                       | 2   |
| 7    | PPFMC 1177473 | CONE BEARING                    | 2   |
| 8    | PPFMC 1177474 | CUP BEARING                     | 2   |
| 9    | PPFMC P511746 | BEARING                         | 2   |
| 10   | PPFMC 5257338 | PINION BEARING CAP              | 1   |
| 11   | PPFMC 5257339 | SEAL                            | 1   |
| 12   | PPFMC A5054   | CAP, OIL FILL                   | 1   |
| 13   | PPFMC A91014  | PIN, CROSSHEAD                  | 3   |
| 14   | PPFMC A91674  | GASKET                          | 2   |
| 15   | PPFMC A91675  | GASKET                          | 2   |
| 16   | PPFMC P508966 | GASKET, COVER                   | 1   |
| 17   | PPFMC 1100054 | SCREW                           | 30  |
| 18   | PPFMC 1106980 | SCREW                           | 2   |
| 19   | PPFMC 1100804 | SCREW                           | 2   |
| 20   | PPFMC 1104349 | KEY                             | 1   |
| 21   | PPFMC 1187039 | PETCOCK                         | 1   |
| 22   | PPFMC 1177489 | SEAL                            | 9   |
| 23   | PPFMC 1182004 | SET SCREW                       | 3   |
| 24   | PPFMC 1187048 | PLUG                            | 2   |
| 25   | PPFMC 1252595 | SHIM                            | 6   |
| 26   | PPFMC 1252939 | CROSSHEAD ASSEMBLY              | 3   |
| 27   | PPFMC 1266323 | NUT                             | 3   |
| 28   | PPFMC 3268369 | HOLDER, SEAL                    | 3   |
| 29   | PPFMC P514965 | BEARING, INSERT, CONNECTING ROD | 3   |
| 30   | PPFMC 3268418 | GASKET                          | 3   |
| 31   | PPFMC 5260567 | PLATE, INSPECTION               | 1   |
| 34   | PPFMC P508916 | CAP, PINION, CLOSED             | 1   |
| 35   | PPFMC 3226710 | O-RING                          | 2   |



This document contains American Manufacturing proprietary and confidential information. It is issued for limited purpose only and remains the property of American Manufacturing. It may not be reproduced in whole or part or disclosed to third parties without the express written consent of American Manufacturing. This document is to be returned to American Manufacturing upon request and in all events upon completion of the use for which it was used.

|                        |  |           |  |          |  |
|------------------------|--|-----------|--|----------|--|
| American Manufacturing |  | Company   |  | Drawn By |  |
| PPFMC 5271965          |  | TOM NEUTZ |  | Date     |  |
| POWER END ASSEMBLY     |  | 50447     |  | Rev. 1   |  |
| 50447                  |  | C         |  | 50447    |  |