

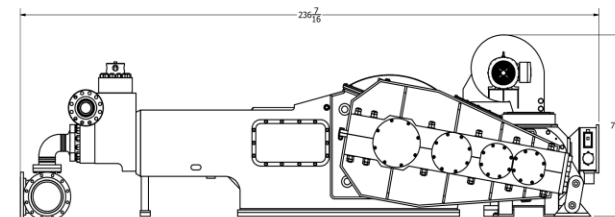
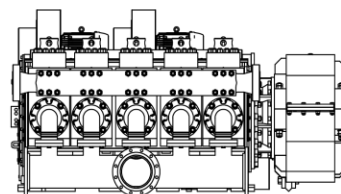
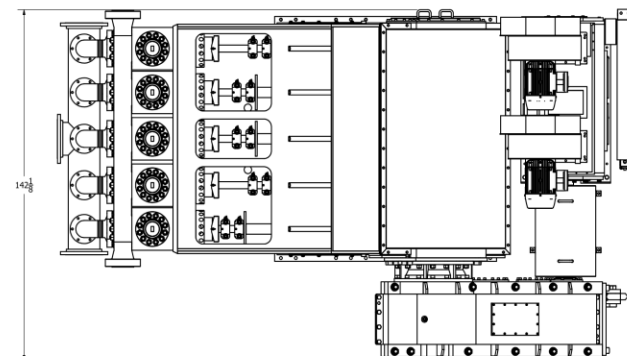
## Drilling and Workover Pumps

### QUINTUPLEX

**AMPQ-3000** (248~1,607 GPM)

#### Technical specification data

|                                   |                            |
|-----------------------------------|----------------------------|
| Input horsepower/rating           | 3000                       |
| Pump speed                        | 140                        |
| Stroke length                     | 12.00"                     |
| Maximum piston size               | 7.50"                      |
| Fluid end working pressure rating | 7,500 Psi                  |
| Discharge connection size         | 5.00" Flange               |
| Suction connection size           | 12.00" Flange              |
| Crankcase oil capacity            | 180 Gallons                |
| Linerwash capacity                | 100 Gallons                |
| External gear ratio               | 8.18:1                     |
| Weight                            | 61,500 Lbs                 |
| Overall dimensions (L x W x H)    | 236.43" X 142.12" X 72.37" |



#### Features

- Minimum weight / maximum performance with continuous duty life expectancy.
- 33% increase in MWD / LWD frequency bandwidth.
- 66% increase in the MWD / LWD data transfer rate.
- Four main bearing design eliminates crankshaft deflection.
- High performance structural steel fabricated power end.
- Anti-friction roller bearings throughout.
- Forged steel eccentric crankshaft.
- Double (redundant) failsafe internal lube system.
- Metal to metal liner lock.

| AMPQ-3000<br>High Performance<br>12.00" Stroke Quintuplex |                           | Strokes Per Min | 60                            | 80   | 100  | 110  | 120  | 140  |
|-----------------------------------------------------------|---------------------------|-----------------|-------------------------------|------|------|------|------|------|
|                                                           |                           | Input HP*       | 1286                          | 1714 | 2143 | 2357 | 2786 | 3000 |
| Piston Size                                               | Discharge Pressure Rating | Output Gal/Rev  | Output – Gallons Per Minute** |      |      |      |      |      |
| 7.50"                                                     | 3,073                     | 11,475          | 689                           | 918  | 1148 | 1262 | 1377 | 1607 |
| 7.00"                                                     | 3,527                     | 9,996           | 600                           | 800  | 1000 | 1100 | 1200 | 1399 |
| 6.50"                                                     | 4,091                     | 8,619           | 517                           | 690  | 862  | 948  | 1034 | 1207 |
| 6.00"                                                     | 4,801                     | 7,344           | 441                           | 588  | 734  | 808  | 881  | 1028 |
| 5.50"                                                     | 5,714                     | 6,171           | 370                           | 494  | 617  | 679  | 741  | 864  |
| 5.00"                                                     | 6,914                     | 5,100           | 306                           | 408  | 510  | 561  | 621  | 714  |
| 4.50"                                                     | 7,500*                    | 4,131           | 248                           | 330  | 413  | 454  | 496  | 578  |

\* Based on 96% mechanical efficiency, \*\* Based on 100% volumetric efficiency.