

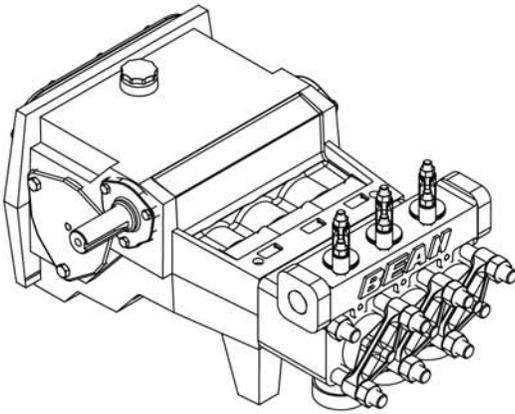
FMC Technologies

W11 Piston Pump Data

30 BHP Continuous Duty (36 BHP Intermittent Duty)

W11

Standard Cast ISO Drawing



Specifications

| | |
|--------------------------------|--|
| Pump Model | W11 |
| Configuration | Horizontal Triplex Piston |
| Number of Pistons | 3 |
| Stroke Length | 2.75 Inches |
| Frame Load Rating | 6,000 lbs |
| Pump Weight (Average) | 425 lbs |
| Direction of Rotation | Top of shaft away from head |
| Internal Gear Ratio | 3.6:1 |
| Intermittent Duty Speed Rating | 900 RPM |
| Continuous Duty Speed Rating | 750 RPM |
| Ball Valve Max Speed Rating | 635 RPM |
| Minimum Speed * | 360 RPM |
| Mechanical Efficiency | 85% |
| Lubrication System (Standard) | Splash, Gravity Return |
| Lube Oil Capacity | 1 Gallon |
| Lube Oil Type | SAE 30 |
| Maximum Fluid Temperature | 140 °F (250 °F Capability) |
| Minimum Fluid Temperature | 0 °F (-20 °F Capability) |
| Standard Suction Size | 2.00 Inch NPT |
| Standard Discharge Size | 1.25 Inch NPT |
| Fluid End Material | Cast Iron |
| Valve Types | Disc Valves, Ball Valves |
| Hydraulic Motor Mount | SAE C - 2 Bolt with 1.25"-14T SAE C - 4 Bolt with 1.25"-14T |

* Slower RPM can be achieved with the addition of a pressurized lubrication system

Performance Table

| Pump Model | Piston Diameter (in) | Displacement (GAL/REV) | Maximum Pressure (PSI) | Pump Capacity (GPM) @ Input Speed (RPM) | | | | |
|------------|----------------------|------------------------|------------------------|---|---------|---------|---------|---------|
| | | | | 350 RPM | 500 RPM | 635 RPM | 750 RPM | 900 RPM |
| W1118 | 2.250 | 0.0394 | 1,000 | 13.8 | 19.7 | 25.0 | 29.6 | 35.5 |
| W1122 | 2.750 | 0.0589 | 1,000 | 20.6 | 29.5 | 37.4 | 44.2 | 53.0 |

* Horsepower based on 85 or 90% mechanical efficiency. Actual application horsepower requirements can be calculated using the equation: $BHP = (GPM * PSI) / (1714 * 0.85 \text{ or } 0.90)$

* Pump capacities shown are based on 100% volumetric efficiency.

* Dimensions shown are for general sizing purposes and should not be used for construction. Contact FMC for actual dimensions of pump ordered.

* FMC reserves the right to modify this information without prior notice.