

# Specifications

## Model MP4130W

Volume .....	Up to 15.2 GPM
Discharge Pressure .....	Up to 1600 PSI-Continuous Up to 1900 PSI-Intermittent <sup>1</sup>
Inlet Pressure .....	Up to 90 PSI
Speed .....	Up to 1085 RPM
Plunger Diameter .....	30mm
Plunger Stroke .....	26mm
Crankcase Oil Capacity .....	32 fl.oz.
Temperature of Pumped Fluids .....	Up to 160 °F
Inlet Ports .....	(2) 1" NPT
Discharge Ports .....	(2) 3/4" NPT
Pulley Mounting .....	Either side
Shaft Rotation .....	Top of Pulley Towards Fluid End
Weight .....	72 lbs.
Crankshaft Diameter .....	28mm

Consult the factory for special requirements that must be met if the pump is to operate beyond one or more of the limits specified above.

<sup>1</sup>NOTE: Intermittent duty use (e.g. sewer cleaning industry, etc.) The pump must be fed with a 1" I.D. hose from both inlet ports. If a Y-piece fitting is being used on the inlet, the "Y" must be fed with a 1 1/2" I.D. hose. All inlet lines must have practically no restrictions. Also, only cold water should be used.

### PULLEY INFORMATION

Pulley selection and pump speed are based on a 1725 PRM motor and "B" section belts. When selecting desired GPM, allow for a ±5% tolerance on pumps output due to variations in pulleys, belts and motors among manufacturers.

1. Select GPM required, then select appropriate motor pulley from the same line.
2. The desired pressure is achieved by selecting the correct nozzle size that corresponds with the pump GPM.

MP4130W HORSEPOWER REQUIREMENTS													
GP	500 PSI	600 PSI	700 PSI	800 PSI	900 PSI	1000 PSI	1100 PSI	1200 PSI	1300 PSI	1400 PSI	1500 PSI	1600 PSI	1900 *PSI
9.20	3.20	3.80	4.50	5.10	5.80	6.40	7.10	7.70	8.30	9.00	9.60	10.3	12.1
10.0	3.50	4.20	4.90	5.60	6.20	6.90	7.60	8.30	9.00	9.70	10.4	11.1	13.2
11.3	3.90	4.70	5.50	6.30	7.00	7.80	8.60	9.40	10.2	10.9	11.7	12.5	14.4
12.6	4.40	5.20	6.10	7.00	7.90	8.70	9.60	10.5	11.4	12.2	13.1	14.0	16.6
13.1	4.50	5.40	6.40	7.30	8.20	9.10	10.0	10.9	11.8	12.7	13.6	14.5	17.3
15.2	5.30	6.30	7.40	8.40	9.50	10.5	11.6	12.6	13.7	14.8	15.8	16.9	20.0

MP4130W PULLEY SELECTION			
PUMP PULLEY	MOTOR PULLEY	RPM	GPM
9.75"	3.95	660	9.20
9.75"	4.325	715	10.00
9.75"	4.75	805	11.30
9.75"	5.25	900	12.60
9.75"	5.45	935	13.10
9.75"	5.95	1030	14.40
9.75"	6.25	1085	15.20
9.75"	6.75	1200	16.80
9.75"	7.35	1300	18.20

### HORSEPOWER RATINGS:

The rating shown are the power requirements for the pump.

Gas engine power outputs must be approximately twice the pump power requirements shown above.

We recommend a 1.15 service factor be specified when selecting an electric motor as the power source.

To compute specific pump horsepower requirements, use the following formula:

$$\frac{\text{GPM} \times \text{PSI}}{1440} = \text{hp}$$

# MP SERIES - INCHES (mm)

