

# Specifications

## Model GP7155-5100

Volume .....	Up to 65.8 GPM (249 lm)
Discharge Pressure .....	Up to 1500 PSI-Continuous (100 bar)
Speed .....	Up to 700 RPM
Inlet Pressure .....	Up to 140 PSI (9.7 bar)
Plunger Diameter .....	55mm
Plunger Stroke .....	52mm
Crankshaft Diameter .....	48mm
Key Width .....	14mm
Crankshaft Mounting .....	Either side
Shaft Rotation .....	Top of pulley towards manifold
Temperature of Pumped Fluids .....	Up to 140 °F (60 °C)
Inlet Ports .....	(2) 2-1/2" BSP
Discharge Ports .....	(2) 1-1/4" BSP
Weight .....	455 lbs. (206 kg)
Crankcase Oil Capacity .....	1.6 Gal. (6.0 liter)
Fluid End Material .....	Cast Iron
Mechanical Efficiency @ 700 RPM .....	0.83
Volumetric Efficiency @ 700 RPM .....	0.96

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.

### PULLEY INFORMATION

Pulley selection and pump speed are based on a 1725 RPM 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 and pump pulley from the same line.
2. The desired pressure is achieved by selecting the correct nozzle size that corresponds with the pump GPM.

### HORSEPOWER INFORMATION

Horsepower ratings shown are the power requirements for the pump. Gas engine power outputs must be approximately twice the pump power requirements shown above.

We recommend that a 1.1 service factor be specified when selecting an electric motor as the power source. To compute specific pump horsepower requirements, use the following formula:

$$(GPH \times PSI) / 1450 = HP$$

<b>GP7155-5100 PULLEY SELECTION &amp; HORSEPOWER REQUIREMENTS</b>								
PUMP PULLEY	MOTOR PULLEY	RPM	GPM	800 PSI	1000 PSI	1300 PSI	1500 PSI	2000 PSI
12.75	9.00	479	45.0	25.7	32.1	41.8	48.2	64.3
12.75	9.75	531	49.9	28.5	35.6	46.3	53.5	71.3
12.75	10.75	585	55.0	31.4	39.3	51.1	58.9	78.6
12.75	11.70	638	60.0	34.3	42.9	55.7	64.3	85.7
12.75	12.75	700	65.8	37.6	47.0	61.1	70.5	94.0