

Specifications

Model GP8060-5100

| | U.S. | (Metric) |
|-----------------------------------|---------------------|--------------------------------|
| Volume | Up to 89.8 GPM ... | (340 LPM) |
| Discharge Pressure | Up to 2465 PSI ... | (170 bar) |
| Speed | Up to 580 RPM | 580 RPM |
| Inlet Pressure..... | Up to 29 PSI | (2.0 bar) |
| Plunger Diameter..... | 2.36" | 60mm |
| Plunger Stroke | 2.83" | 72mm |
| Crankshaft Diameter..... | 2.76" | 70mm |
| Key Width | 0.55" | 14mm |
| Crankshaft Mounting..... | | Either side |
| Shaft Rotation | | Top of pulley towards manifold |
| Temperature of Pumped Fluids..... | Up to 86° F | (30° C) |
| Inlet Ports..... | | (2) 3" BSPP |
| Discharge Ports | | (2) 1-1/4" BSPP |
| Weight..... | 767 lbs. | (348kg) |
| Crankcase Oil Capacity | 3.3 Gal. | (12.5 liters) |
| Fluid End Material..... | 316 Stainless Steel | |

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.

| GP8060 HORSEPOWER REQUIREMENTS | | | | | |
|--------------------------------|-----|---------|----------|----------|----------|
| RPM | GPM | 500 PSI | 1000 PSI | 2000 PSI | 2500 PSI |
| 300 | 47 | 16.8 | 33.6 | 67.1 | 83.9 |
| 400 | 62 | 22.1 | 44.3 | 88.6 | 110.7 |
| 500 | 78 | 27.9 | 55.7 | 111.4 | 139.3 |
| 580 | 90 | 32.1 | 64.3 | 128.6 | 160.7 |

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:

$$\frac{\text{GPM} \times \text{PSI}}{1450} = \text{HP}$$

SPECIAL NOTE:

The theoretical gallons per revolution (gal/rev) is 0.155. To find specific outputs at various RPM, use the formula:

$$\text{GPM} = 0.155 \times \text{RPM}$$