

INTRODUCING

Specifications Models GP8065SC & GP8165SC

	U.S.	(Metric)
Flow	127 GPM	(480 L/min)
Maximum Discharge Pressure.....	2000 PSI	(140 bar)
Power Consumption	174 BHP	(130 kW)
Maximum Inlet Pressure	Up to 90 PSIG	(6.2 Bar)
Pump Speed	700 RPM	
Plunger Diameter.....	2.56"	(65 mm)
Stroke	2.83"	(72 mm)
Crankshaft Diameter.....	2.17"	(70 mm)
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 Port	2 x 3" BSP	
Discharge Port.....	2 x 1-1/2" BSP	
Weight.....	154 lbs.....	(340 Kg)
Crankcase Oil Capacity	3.3 Gal.....	(12.5 Liters)
NPSHR	26.2 ft.-head	8.0 mWs
Fluid End Material.....	Nickel Plated Spheroidal Cast Iron	

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.

<u>Model</u>	<u>Gear Ratio</u>	<u>Input Speed</u>
GP8165-2.6	2.6:1	1500 RPM
GP8165-3.1	3.1:1	1800 RPM
GP8165-3.8	3.8:1	2200 RPM
GP8165-4.5	4.5:1	2600 RPM

GP8065SC/GP8165SC HORSEPOWER					
RPM	GPM	1000 PSI	1250 PSI	1500 PSI	2000 PSI
300	54.4	37.3	46.7	56.0	74.7
400	72.6	49.8	62.3	74.7	99.7
520	94.3	64.7	80.9	97.1	129.4
700	127	87.2	109.0	130.8	174.3

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.

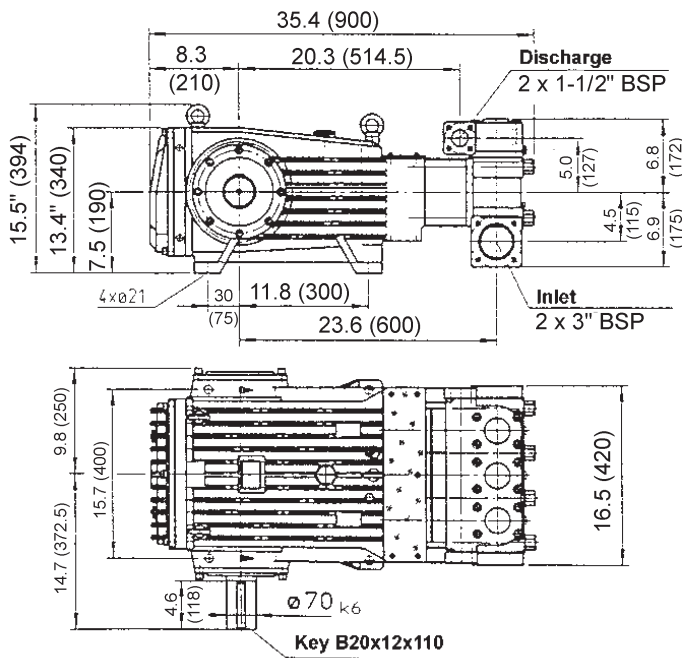
We recommend a 1.15 service factor be specified when selecting an electric motor as the power source. To compute specific pump horsepower requirements, use the following formula:

$$\frac{\text{GPM} \times \text{PSI}}{1457} = \text{HP}$$

SPECIAL NOTE:

The theoretical gallons per revolution (gal/rev) is 0.181. To find specific outputs at various RPM, use the formula: $\text{GPM} = 0.181 \times \text{RPM}$

GP8065SC

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