

# Gas and Diesel Pumps

PG/PD Series - Portable Power



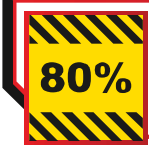
PG70M4N05



PD70M4N05



**Will be delivered without Hydraulic Oil**



### Safety Practices

Good industry practice recommends not exceeding 80% of maximum rated capacities of all our products.



### Related Product: Gauges

Reduce the risk of overloading your product by using a gauge. A variety of graduations and types to suit any need. pg 65



### Related Product: Hoses

We offer a variety of hoses, fittings, lengths and materials. pg 67



### Safety Instructions

Visit our DO'S and DON'TS section to review the best methods of operation. Always be prepared. pg 102

### Gas Pumps



- Gas engine pumps will provide 10,000 psi at remote locations
- Industrial grade 5.5 Honda Gas Engine
- Ideal for applications at remote locations
- Two speed pump designed for rapid cylinder advance
- Gas pump features a sturdy protective roll cage for use in the toughest environments
- Manual control valve for use with single or double acting cylinders or tools

### Diesel Pumps



- Diesel engine pumps will provide 10,000 psi at remote locations
- Industrial grade 4.6 hp / 3.5 kN HATZ Diesel engine
- Locking solenoid control valve for use with single or double acting cylinders or tools
- Two speed pump designed for rapid cylinder advance
- Pump features a sturdy protective roll cage for use in the toughest environments
- Ideal for application when diesel fuel in remote environments is required
  - Optional: electric start

Valve Function	Valve Type	Use with Cylinder Type	Flow Rate			
			1 <sup>st</sup> Stage		2 <sup>nd</sup> Stage	
			L/min	BAR	L/min	BAR
3W/3P Advance/Hold Return	Manual		7.0	48.3	1.6	700
	Solenoid (only for Diesel)		9.8	48.3	3.3	700
4W/3P Advance/Hold Return	Manual		7.0	48.3	1.6	700
	Solenoid (only for Diesel)		9.8	48.3	3.3	700



## Gas/Diesel Pump Matrix Chart

If you don't see a pump that would fit your application needs, you can custom build a pump to your desired specifications. Use this Pump Matrix Chart as a guide for creating your very own custom gas/diesel pump. For assistance in building your pump, call your local BVA Representative.

**P** | **D** | **70** | **S4L** | **05**

**1**      **2**      **3**      **4\***      **5**  
Product   Motor   Flow   Valve Type   Reservoir  
Type      Type      Group   /Operation   Size

### 1 - Product Type

**P**      Pump

### 2 - Motor Type

**G**      Gas Motor  
**D**      Diesel Motor

### 3 - Flow Group

**70**      7000 cc/min @ 48 BAR  
            1640 cc/min @ 700 BAR

### 4\* - Valve Type/Operation

**CMR**   Pump Mounted Manifold Block - Pressure & Return Ports Only

**M2N**   Manual Valve 3W/2P  
**M3N**   Manual Valve 3W/3P  
**M4N**   Manual Valve 4W/3P  
**M3L**   Manual Valve 3W/3P w/Locking Plate  
**M4L**   Manual Valve 4W/3P w/Locking Plate

**S3N**   Solenoid Valve 3W/3P (Spool Type)  
**S4N**   Solenoid Valve 4W/3P (Spool Type)  
**S3L**   Solenoid Valve 3W/3P w/Locking Plate (Spool Type Valve)  
**S4L**   Solenoid Valve 4W/3P w/Locking Plate (Spool Type Valve)

### 5 - Reservoir Size

**05**      5 Gallons  
**10**      10 Gallons  
**15**      15 Gallons



PG/PD Series

### Ordering Example

**PG70M4N05**

After reviewing this model number, we know that the pump has the following specifications:

- Gasoline power source
- Manual Valve 4W/3P
- 5 gallon reservoir tank



### Roll Cages



All gas and diesel pumps are equipped with roll cages to prevent any damage that might occur on a job site.

### Optional Electric Start



Electric start is optional and available with the diesel engine.



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\* Solenoid options are not available on the PG70 Series Gas Pumps

*Not all options are available in all configurations. Table is for reference only. Please consult your local BVA dealer if you want to order a custom pump or if you have questions.*

Motor HP / Type	Usable Oil Capacity		
	5 Gallons	10 Gallons	15 Gallons
	Model Number	Model Number	Model Number
Gas - 5.5 Hp Honda	PG70M3N05	-	-
Diesel - 7.3 Hp HATZ	PD70S3L05	PD70S3L10	PD70S3L15
Gas - 5.5 Hp Honda	PG70M4N05	-	-
Diesel - 7.3 Hp HATZ	PD70S4L05	PD70S4L10	PD70S4L15

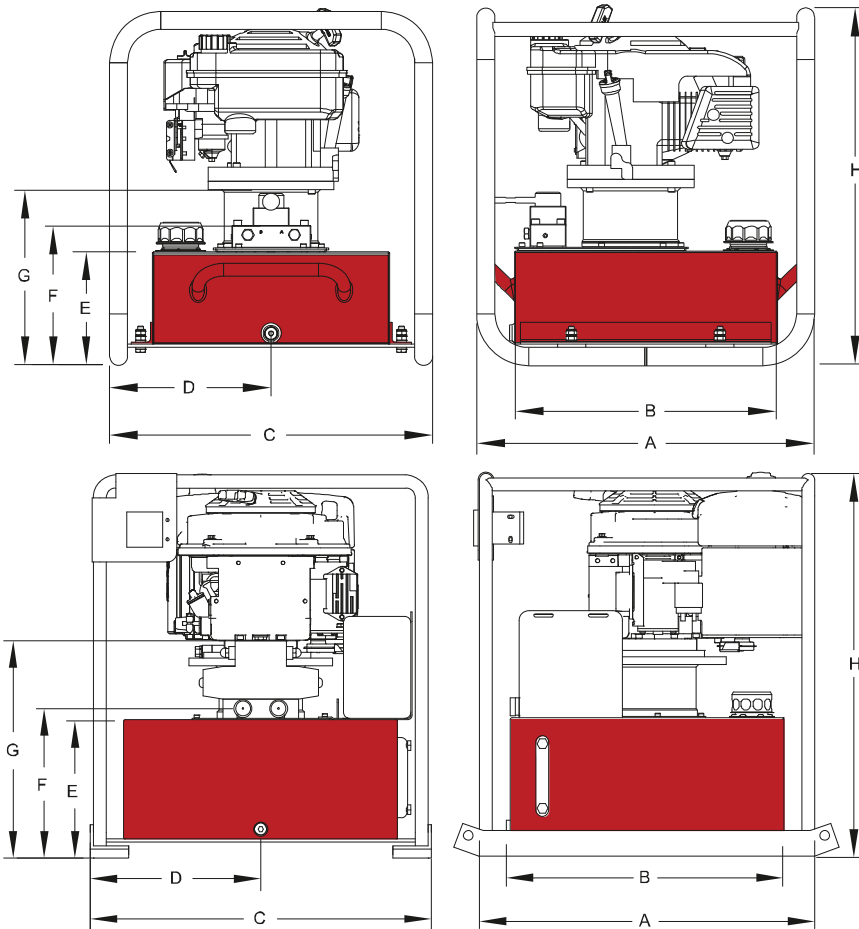
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PD70M4N05



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Model Number*	Dimensions (mm)								Weight** (Kg)
	A	B	C	D	E	F	G	H	
<b>Gas Pumps</b>									
PG70xxx05	675	546	532	266	292	316	393	627	73.5
PG70xxx10	718	594	686	343	305	328	441	627	137.4
PG70xxx15	718	594	686	343	305	328	441	627	168.7
<b>Diesel Pumps</b>									
PD70xxx05	675	546	532	266	292	316	393	828	115.7
PD70xxx10	718	594	686	343	305	328	441	828	149.2
PD70xxx15	718	660	686	343	305	328	441	828	182.8

\* "xxx" in the model number refers to the type of valve you may use on the gas/diesel engine pump. Refer to your local BVA dealer or the Matrix Chart (on page 61) to build your own pump.  
 \*\* Pump weights include oil.