





















Pumps and Directional Control Valves Section Overview

Power Source	Pump Types	Maximum Reservoir Capacity	Max. Flow at Rated Pressure (in ³ /min)	Series		Page
Manual	Lightweight Hand Pumps Exclusively from Enerpac	155 in ³	.15 (in ³ /stroke)	P		62 ▶
	Steel Hand Pumps	453 in ³	.29	P		64 ▶
	Low Pressure Hand Pumps	200 in ³	.58 (in ³ /stroke)	P		66 ▶
	Foot Pump For Hands Free Operation	38 in ³	.15 (in ³ /stroke)	P		68 ▶
	Multifluid Hand Pumps Pumping Fluids up to 14,500 psi	38 in ³	1.28 (in ³ /stroke)	MP		69 ▶
	Ultra-High Pressure Hand Pumps Pressure up to 40,000 psi	60 in ³	.15 (in ³ /stroke)	P/11		70 ▶
Electric	Battery Powered Hydraulic Pump Cordless Hydraulic Power	1 gal.	15	BP		72 ▶
	Economy Series Compact and Portable	1 gal.	20	PU		74 ▶
	Submerged Series Powerful and Low-Noise	1.5 gal.	20	PE		76 ▶
	Z-Class Pumps, ZU4 and ZE3 to ZE6-Series Portable and Powerful	10 gal.	60 200	ZU ZE		82 ▶
	8000-Series The Maximum Flow Pump	25 gal.	462	PE		94 ▶
Air	XA-Series XVARI® Technology for Productivity and Ergonomics	122 in ³	15	XA		96 ▶
	Turbo II Air Hydraulic Pumps Compact Air Over Hydraulic	305 in ³	10	PA		98 ▶
	Air Hydraulic Pumps Single and Twin-Air Motor	2 gal.	9	PA PAM		100 ▶
	ZA4 Air Hydraulic Pumps The Standard for Air-Hydraulic Pumps	10 gal.	80	ZA		102 ▶
	ATP-Series Air Pump High Pressure Air Pump	1 gal.	4	ATP		104 ▶
Gasoline	Atlas Series Small and Lightweight	2 gal.	40	PGM		105 ▶
	ZG5/ZG6 Gasoline Hydraulic Pumps Gas Powered High Flow Pumps	10 gal.	200	ZG5/ ZG6		106 ▶
	8000-Series Gasoline Pumps For the Largest Jobs	25 gal.	1.5 (gal/min)	EGM		108 ▶
Directional Control Valves						109 ▶

Atlas Series Gasoline Pumps

▼ Shown from left to right: **PGM-2408R**



PGM Series

Reservoir Capacity:

1 gallon

Flow at Rated Pressure:

40 in³/min.

Motor Size:

4.2 Ft.lbs

Maximum Operating Pressure:

10,000 psi



Gauges

Minimize the risk of overloading and ensure long, dependable service from your equipment. Refer to the

System Components section for a full range of gauges.

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Hoses

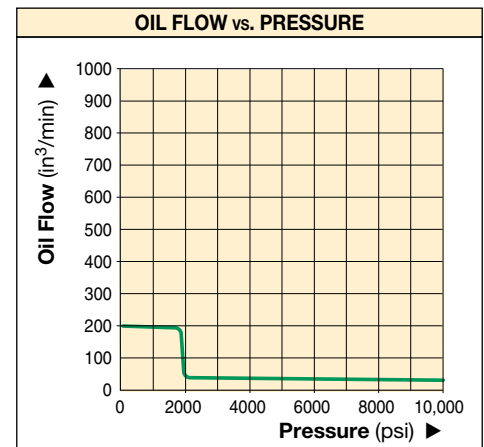
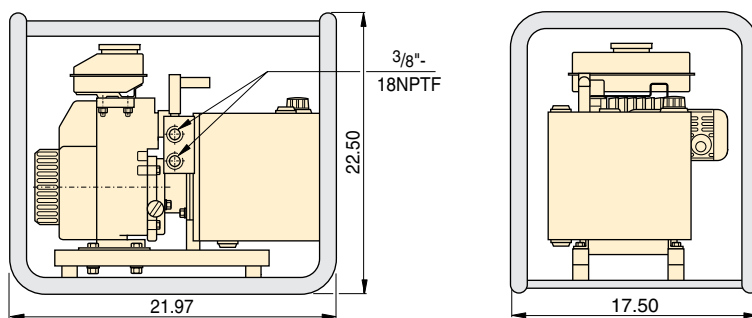
Enerpac offers a complete line of high-quality hydraulic hoses. To ensure the integrity of your system,

specify only genuine Enerpac hydraulic hoses.

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Patented Genesis Technology

- coaxial piston design ensures high performance
- first-stage piston pump for improved efficiency



Used with Cylinder	Usable Oil Capacity (gal)	Model Number	Output Flow Rate** (in ³ /min)		Pressure Rating (psi)	Valve Type	Valve Function	Motor Manufacturer	Motor Size (Ft.lbs)	Weight (lbs)
			1 st stage	2 nd stage						
Single-acting	1.0	PGM-2304R*	200	40	10,000	3-way, 3-position	Advance/ Hold/Retract	Honda	4.2 at 3600 rpm	55
	2.0	PGM-2308R*	200	40	10,000	3-way, 3-position				72
Double-acting	1.0	PGM-2404R*	200	40	10,000	4-way, 3-position				55
	2.0	PGM-2408R*	200	40	10,000	4-way, 3-position				72

* Note: PGM-20 Series are available with a carrying handle instead of a Roll Cage. For ordering omit the 'R' from the model number.

** Nominal values—may vary based on motor speed.

ZG5/ZG6 Gasoline Hydraulic Pumps

▼ Shown from left to right: ZG6440MX-BCFH, ZG5420MX-B



Z Tough.
Dependable.
Innovative.
CLASS



User Adjustable Relief Valve

All VM-Series directional valves have a user adjustable relief valve to allow the operator to easily set the optimum working pressure.



High Pressure Hoses

Enerpac offers a complete line of high-quality hydraulic hoses. To ensure the integrity of your system, specify only genuine Enerpac hydraulic hoses.

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Other Options Available

The ZG5/ZG6 pumps are available in a wide range of configurations and options. Contact Enerpac for further information.

- Features **Z-Class** high efficiency pump design, higher oil flow and bypass pressure
- Two-speed operation reduces cycle time for improved productivity
- Full sight oil level glass on all reservoirs allow quick and easy oil level monitoring
- Sturdy wheeled cart for ZG6 allows transport over uneven terrain and features collapsible handles for easy storage
- Dual forced air heat exchangers on ZG6 stabilizes hydraulic oil temperature
- ZG5 is available in two 4-cycle engine sizes: 7.1 ft.lbs Honda and 8.5 ft.lbs Briggs & Stratton
- ZG6 has Briggs & Stratton 17 ft.lbs engine with electric start, pressurized oil and 16-amp charge output for accessories

▼ SELECTION CHART

Used with Cylinder	Usable Oil Capacity (gal)	Valve Model Number	Valve Function	Model Number	Motor Manufacturer*	Motor Size (Ft.lbs)	Weight (lbs)
Single-Acting	2.5	VM33	Advance/ Hold/ Retract	ZG5310MX-R	Honda	7.1	113.6
	5.0			ZG5320MX-R			140.9
Double-Acting	2.5	VM43		ZG5410MX-R			113.6
	5.0			ZG5420MX-R			141.0
Single-Acting	2.5	VM33		ZG5310MX-BR	Briggs & Stratton	8.5	111.0
	5.0			ZG5320MX-BR			138.3
Double-Acting	2.5	VM43		ZG5410MX-BR			111.1
	5.0			ZG5420MX-BR			138.4
		10.0	VM43	ZG6440MX-BCFH	17.0	334.0	

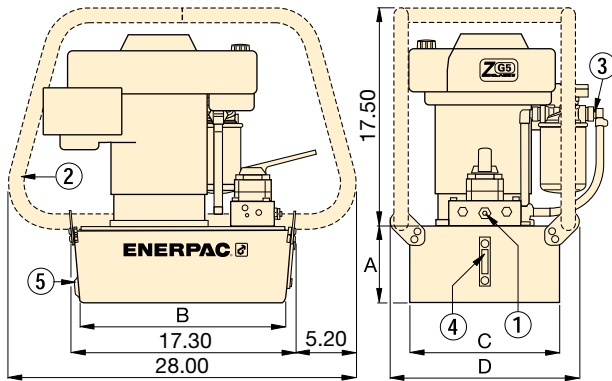
*To order Briggs & Stratton motor, place a "B" suffix in the model number.

Gasoline Hydraulic Pumps

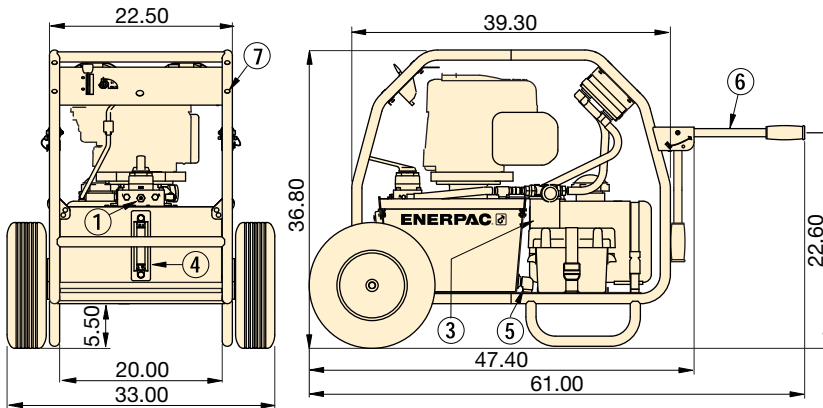
ZG5/ ZG6 Series



ZG5



ZG6



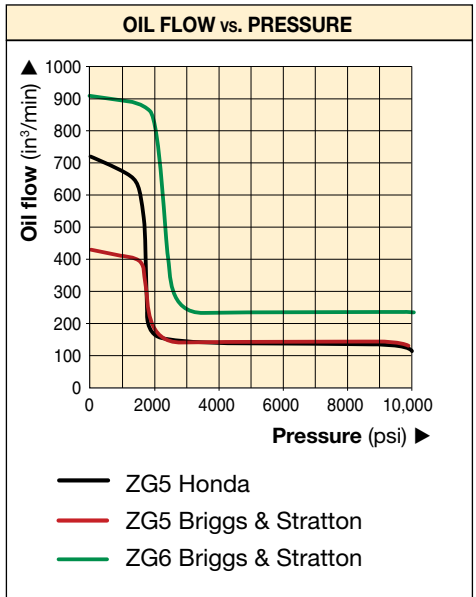
- ① User adjustable relief valve on all manual valves. 3/8" NPTF on A and B ports; 1/4" NPTF on auxiliary ports.
- ② Roll Bar (optional)
- ③ Return Line Filter (optional on ZG5, Standard on ZG6)
- ④ Oil Level Gauge
- ⑤ Oil Drain
- ⑥ Collapsible handles (ZG6 only)
- ⑦ Cart (standard on ZG6 only)

Reservoir Capacity:
2.5-10 gal.

Flow at Rated Pressure:
100-200 in³/min.

Engine Size:
7.1, 8.5 and 17.0 Ft.lbs

Maximum Operating Pressure:
10,000 psi



Motor Size		Output Flow Rate				Relief Valve Adjustment Range	Sound Level
		(in ³ /min)					
(Ft.lbs)	RPM	100 psi	700 psi	5,000 psi	10,000 psi	(psi)	(dBA)
7.1	2500	700	650	110	100	1000 - 10,000	88 - 93
8.5	3600	400	380	110	100		91 - 95
17.0	3600	900	885	225	200		91 - 95

ZG5 Dimensions (in)				
Reservoir Size	A	B	C	D
(gal)				
2.5	6.1	16.5	12.0	15.1
5.0	7.1	16.3	16.6	19.7
10.0	10.6	15.7	19.9	22.7

▼ Shown: EGM-8418



EGM Series

Reservoir Capacity:

25 gal.

Flow at Rated Pressure:

1.5 gal/min.

Motor Size:

18 hp

Maximum Operating Pressure:

10,000 psi



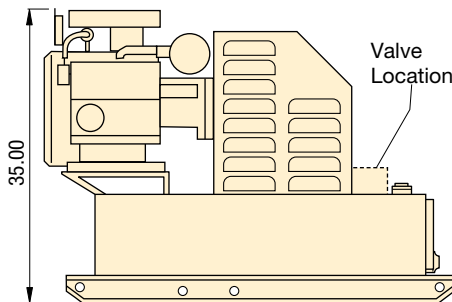
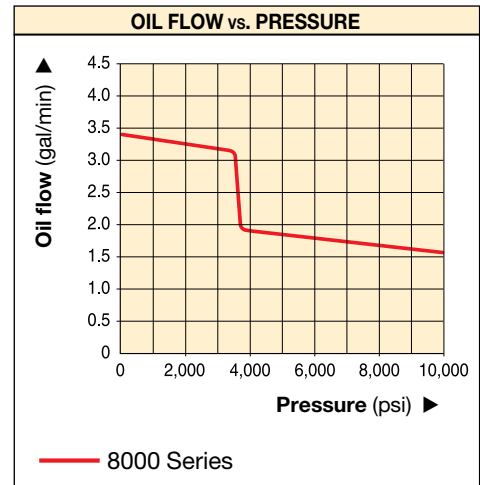
Locking Valves

Pumps with VM-4 manual valves are available with VM-4L manual valves for positive load holding.

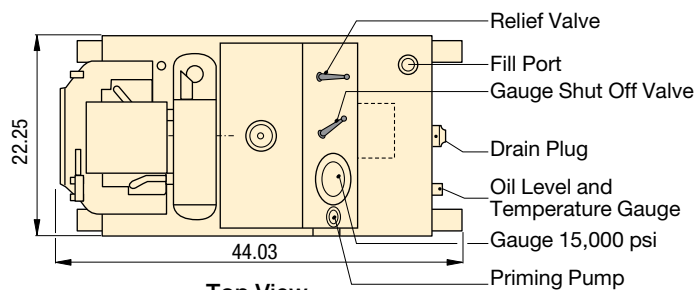
Add suffix "L" to pump model number.

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- Industrial grade 18 hp twin-cylinder motor
- Panel mounted pressure gauge and adjustable relief valve for system pressure control
- Two-speed pump design with high by-pass pressure for rapid cylinder advance
- Built in oil temperature and oil level gauge
- External adjustable relief valve (1,200-10,000 psi) allows control of operating pressure without opening the pump
- Integral priming circuit guarantees quick starts after transport



Side View



Top View

Used with Cylinder	Usable Oil Capacity (gal)	Model Number	Pressure Rating (psi)		Output Flow Rate (gal/min)		Valve Type	Valve Function	Sound Level (dBA)	Weight (lbs)
			1 st stage	2 nd stage	1 st stage	2 nd stage				
Single-acting	18	EGM-8218	3,700	10,000	3.4	1.5	3-way, 2-pos.	Adv./Retr.	94	890
Double-acting	18	EGM-8418	3,700	10,000	3.4	1.5	4-way, 3-pos.	Adv./Hold/Retr.	94	890