

# ZG-Series, Gasoline Hydraulic Pumps

**ENERPAC** 

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



**Z** Tough,  
Dependable,  
Innovative  
**CLASS**

- Features Z-Class high efficiency pump design, higher oil flow and bypass pressure
- Two-speed operation reduces cycle time for improved productivity
- User adjustable relief valve built-in on manual valves. Oil ports on valves are 3/8" NPTF
- Available in three 4-cycle engine sizes: 4,1 kW Honda and 4,8 kW and 9,7 kW Briggs & Stratton
- Full sight oil level glass on all reservoirs allow quick and easy oil level monitoring.

## ZG6-Series

- Easy serviceable 9,7 kW, 4-cycle gasoline engine with electric start, pressurized oil and 12 Volt charge output for accessories
- Dual forced air heat exchanger stabilizes hydraulic oil temperature
- Sturdy wheeled cart with collapsible handles.



### GA45GC Gauge Adaptor Assembly

Protect yourself from system overloading by simply ordering one part number for a pre-assembled gauge, adaptor block and coupler.

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### 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.

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## ▼ SELECTION CHART

| Used with Cylinder | Reservoir Size<br>(litres) | Manual Valve <sup>1)</sup><br>Model Number | Valve Function           | Model Number with Roll Cage | Output Flow Rate<br>(l/min) |           |            |            | 4-Cycle Engine Type and Size |  |
|--------------------|----------------------------|--------------------------------------------|--------------------------|-----------------------------|-----------------------------|-----------|------------|------------|------------------------------|--|
|                    |                            |                                            |                          |                             | at 7 bar                    | at 50 bar | at 350 bar | at 700 bar |                              |  |
| Single-Acting      | 9,8                        | VM33                                       | Advance / Hold / Retract | ZG5310MX-R                  | 11,5                        | 10,7      | 1,8        | 1,6        | Honda<br>4,1 kW              |  |
|                    | 19,8                       | VM33                                       | Advance / Hold / Retract | ZG5320MX-R                  | 11,5                        | 10,7      | 1,8        | 1,6        |                              |  |
| Double-Acting      | 9,8                        | VM43                                       | Advance / Hold / Retract | ZG5410MX-R                  | 11,5                        | 10,7      | 1,8        | 1,6        |                              |  |
|                    | 19,8                       | VM43                                       | Advance / Hold / Retract | ZG5420MX-R                  | 11,5                        | 10,7      | 1,8        | 1,6        |                              |  |
| Single-Acting      | 9,8                        | VM33                                       | Advance / Hold / Retract | ZG5310MX-BR                 | 6,5                         | 6,2       | 1,8        | 1,6        | Briggs & Stratton<br>4,8 kW  |  |
|                    | 19,8                       | VM33                                       | Advance / Hold / Retract | ZG5320MX-BR                 | 6,5                         | 6,2       | 1,8        | 1,6        |                              |  |
| Double-Acting      | 9,8                        | VM43                                       | Advance / Hold / Retract | ZG5410MX-BR                 | 6,5                         | 6,2       | 1,8        | 1,6        |                              |  |
|                    | 19,8                       | VM43                                       | Advance / Hold / Retract | ZG5420MX-BR                 | 6,5                         | 6,2       | 1,8        | 1,6        |                              |  |
|                    | 39                         | VM43L                                      | Advance / Hold / Retract | ZG5840MX-BR                 | 6,5                         | 6,2       | 1,8        | 1,6        |                              |  |
| Double-Acting      | 39                         | VM43                                       | Advance / Hold / Retract | ZG6440MX-BCFH               | 14,7                        | 14,5      | 3,7        | 3,3        | Briggs & Stratton 9,7 kW     |  |
|                    | —                          | —                                          | —                        | —                           | —                           | —         | —          | —          |                              |  |

<sup>1)</sup> See pages 122-123 for hydraulic symbols of these valves.



## ZG-Series, Gasoline Pump Performance

Elevation can affect the performance of any gasoline engine. ZG-Series pumps are designed to develop rated performance at elevations up to 1500 m. For applications above this elevation, please consult your Enerpac office.

### Optional: Diesel Engine

ZG-Series pumps can also be equipped with a Diesel Engine. Contact Enerpac for details.

## ZG Series



Reservoir Capacity:

**9,8 - 19,8 - 39 litres**

Flow at Rated Pressure:

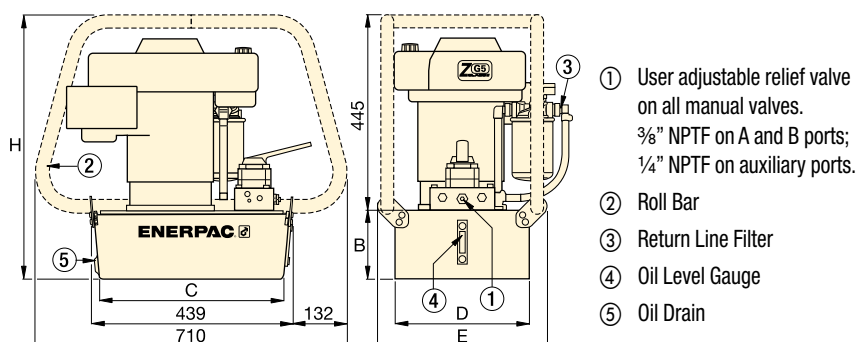
**1,6 - 3,3 l/min**

Engine Size:

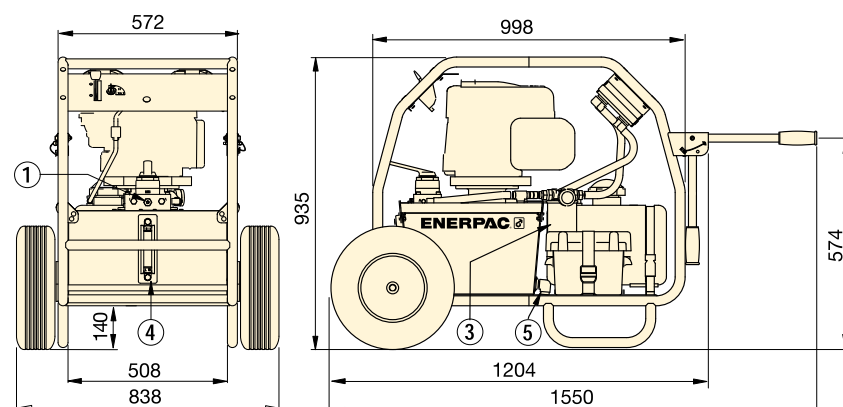
**4,1 - 4,8 - 9,7 kW**

Maximum Operating Pressure:

**700 bar**



**ZG5-Series**



**ZG6-Series**



### 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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### Speed Chart

To determine how a specific pump will operate your cylinder, see the Pump-Cylinder Speed Chart in the 'Yellow Pages'.

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| Relief Valve Adjustment Range<br>(bar) | Sound Level<br>(dBA) | Dimensions (mm) |     |     |     |     | Model Number with Roll Cage |
|----------------------------------------|----------------------|-----------------|-----|-----|-----|-----|-----------------------------|
|                                        |                      | B               | C   | D   | E   | H   |                             |
| 70 - 700                               | 88 - 93              | 155             | 419 | 305 | 384 | 600 | ZG5310MX-R                  |
|                                        |                      | 180             | 414 | 421 | 500 | 625 | ZG5320MX-R                  |
|                                        |                      | 155             | 419 | 305 | 384 | 600 | ZG5410MX-R                  |
|                                        |                      | 180             | 414 | 421 | 500 | 625 | ZG5420MX-R                  |
| 70 - 700                               | 88 - 93              | 155             | 419 | 305 | 384 | 600 | ZG5310MX-BR                 |
|                                        |                      | 180             | 414 | 421 | 500 | 625 | ZG5320MX-BR                 |
|                                        |                      | 155             | 419 | 305 | 384 | 600 | ZG5410MX-BR                 |
|                                        |                      | 180             | 414 | 421 | 500 | 625 | ZG5420MX-BR                 |
|                                        |                      | 269             | 399 | 505 | 557 | 714 | ZG5840MX-BR                 |
| 70 - 700                               | 88 - 93              | -               | -   | -   | -   | -   | ZG6440MX-BCFH               |
|                                        |                      | -               | -   | -   | -   | -   | -                           |

### OIL FLOW VERSUS PRESSURE

