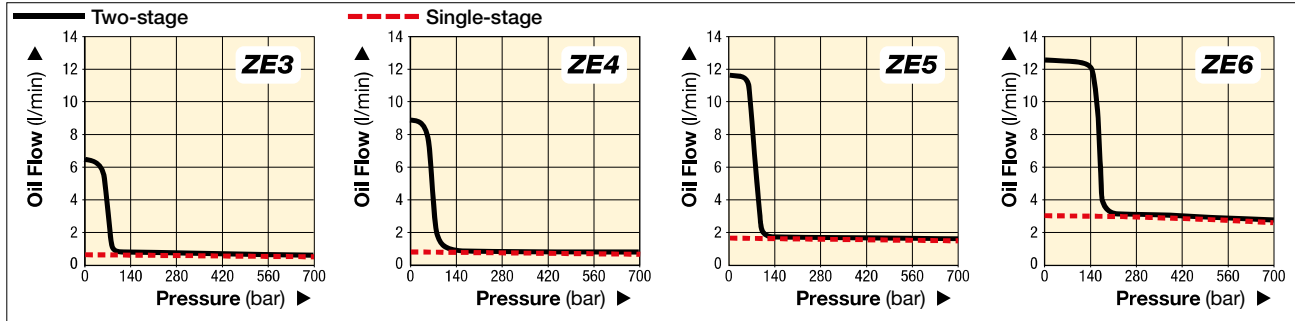


# ZE-Series, Specifications & Dimensions



## ▼ ZE-SERIES PERFORMANCE CHART

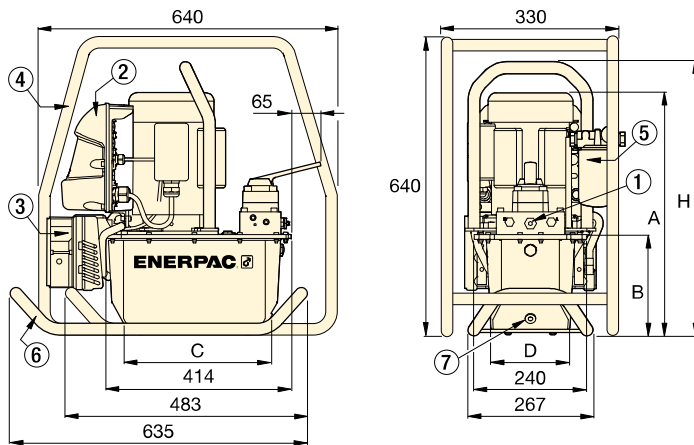
Pump Series	Output Flow Rate at 50 Hz * (l/min)				Pump Unit	Available Reservoir Sizes (useable oil) (litres)	Motor Size (kW)	Relief Valve Adjustment Range (bar)	Sound Level (dBA)
	low pressure		high pressure						
	at 7 bar	at 50 bar	at 350 bar	at 700 bar					
ZE3	0,59	0,59	0,57	<b>0,55</b>	Single-stage	4-8-10-20-40	0,75	70-700	75
	6,15	5,26	0,57	<b>0,55</b>	Two-stage				
ZE4	0,87	0,87	0,84	<b>0,82</b>	Single-stage	4-8-10-20-40	1,12	70-700	75
	8,88	8,20	0,84	<b>0,82</b>	Two-stage				
ZE5	1,75	1,72	1,68	<b>1,64</b>	Single-stage	10-20-40	2,24	70-700	75
	11,61	11,27	1,68	<b>1,64</b>	Two-stage				
ZE6	3,00	2,94	2,86	<b>2,73</b>	Single-stage	10-20-40	5,60	70-700	80
	12,29	12,15	2,86	<b>2,73</b>	Two-stage				

\* Oil flow will be approximately 6/5 of these values at 60 Hz.

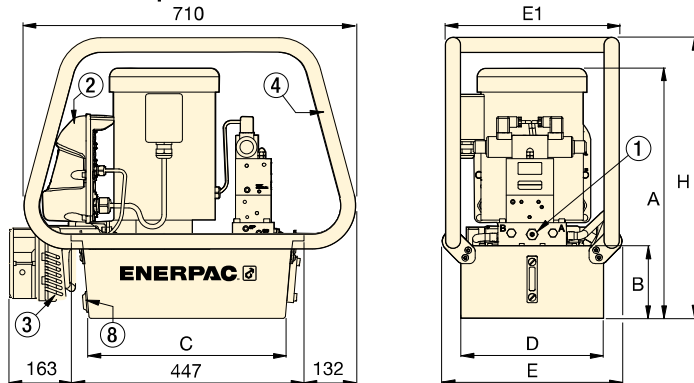


### Single or Two-Stage

Choose single-stage pumps for applications that require constant flow regardless of pressure such as testing or clamping. Two-stage pumps have an increased output flow at low pressure to allow fast movement towards the load, for reduced cycle times and increased productivity.



### ZE-Series Pumps with 4 - 8 litres reservoir



### ZE-Series Pumps with 10 - 20 - 40 litres reservoir

- ① User adjustable relief valve on all manual and solenoid valves.  
3/8" NPTF on A and B ports;  
1/4" NPTF on auxiliary ports.
- ② Electric Box
- ③ Heat Exchanger
- ④ Roll Cage
- ⑤ Return Line Filter
- ⑥ Skid Bar
- ⑦ Magnetic Oil Drain
- ⑧ Oil Drain / Oil Level/Temperature Switch

Reservoir Size (useable oil in litres)	ZE-Series Pump Dimensions (mm)						
	A	B	C	D	E	E1	H
4,0	457	143	279	152	-	-	513
8,0	457	143	279	206	-	-	513
10,0	533	158	419	305	384	371	600
20,0	558	180	419	422	501	488	625
40,0	648	270	399	505	576	572	715

# ZE-Series, Pump Ordering Matrix

▼ This is how ZE-Series pump model numbers are built up:

<b>Z</b>	<b>E</b>	<b>4</b>	<b>1</b>	<b>10</b>	<b>D</b>	<b>W</b>	<b>-</b>	<b>F</b>	<b>H</b>	<b>L</b>	<b>T</b>
1	2	3	4	5	6	7		8			
Product Type	Motor Type	Flow Group	Valve Type	Reservoir Size	Valve Operation	Motor Voltage		Options and Accessories			

## 1 Product Type

**Z** = Pump Class

## 2 Prime Mover

**E** = Induction electric motor

## 3 Flow Group

- 3** = 0,55 l/min @ 700 bar (0,75 kW)
- 4** = 0,82 l/min @ 700 bar (1,12 kW)
- 5<sup>1)</sup>** = 1,64 l/min @ 700 bar (2,24 kW)
- 6<sup>1)</sup>** = 2,73 l/min @ 700 bar (5,60 kW)

## 4 Valve Type

- 0** = No valve, with cover plate
- 1** = 3/2 Dump valve VE32D
- 2** = 3/2 manual VM32
- 3** = 3/3 manual VM33 or electric VE33
- 4** = 4/3 manual VM43 or electric VE43
- 6** = 3/3 manual locking valve VM33L with pilot operated check.
- 8** = 4/3 manual locking valve VM43L with pilot operated check.

## 5 Reservoir Size, useable oil

- 04<sup>2)</sup>** = 4 litres
- 08<sup>2)</sup>** = 8 litres
- 10** = 10 litres
- 20** = 20 litres
- 40** = 40 litres

## 8 Options and Accessories

- F** = Return Line Filter
- G<sup>6)</sup>** = 1000 bar gauge
- H<sup>7)</sup>** = Heat exchanger
- K** = Skid Bar (only on 4 and 8 litres)
- L<sup>7)</sup>** = Oil Level/Temperature Switch <sup>8)</sup>
- N** = No reservoir handles (includes lifting eyes)
- P<sup>7)</sup>** = Pressure Switch (only available on manual valves without locking feature)
- R** = Roll Cage
- S** = Single-stage pump unit
- T<sup>7)</sup>** = Pressure transducer <sup>9)</sup>
- U<sup>7)</sup>** = Foot Switch

- <sup>1)</sup> ZE5 and ZE6-Series only available with 3-phase electric motors.
- <sup>2)</sup> 4 and 8 litres only available on ZE3 and ZE4-Series.
- <sup>3)</sup> 1-phase motors only available on ZE3 and ZE4-Series
- <sup>4)</sup> 208-240V, 1 ph with European plug EMC directive compliant.
- <sup>5)</sup> Models with 3-ph motors without Electric Box shipped without cord, motor starter or overload protection.
- <sup>6)</sup> Not available on pumps with pressure transducer (T).
- <sup>7)</sup> Requires Electric Box.
- <sup>8)</sup> Not available on 4 and 8 litres reservoir.
- <sup>9)</sup> Provides digital pressure read-out on LCD-display of electric box.
- <sup>10)</sup> When using solenoid valve on valve type "W" order optional pendant.

All Z-Class electric pumps comply with TÜV and CE requirements.



## ZE Series



Reservoir Capacity:

**4 - 40 litres**

Flow at Rated Pressure:

**0,55 - 2,73 l/min**

Motor Size:

**0,75 - 5,60 kW**

Maximum Operating Pressure:

**700 bar**



### How to Order Single-Stage Pumps

To specify a single-stage pump, place the letter "S" at the end of the model number. For example:

#### ZE4210ME-S

ZE4-Series pump, oil flow 0,82 l/min at 700 bar, VM32 manual valve, 10 litres reservoir, without electrical box, without pendant, 240 Volt 1-phase electric motor and single-stage pump unit.



### Pendants

When ordering Enerpac VE-Series solenoid valve for use on "W" type valve operation (No Valve, with Electric Box (LCD), without pendant) the pendant must be ordered separately. Pendant connection to be plugged into electric box.

Page: 93



### Spring Centred Valve Kits

VM and VC-Series manual 3-position valves can be easily converted into spring centred valves. With these retro-fit kits the handle will automatically move into the neutral valve position when released.

Page: 111