

# Portable Electric Torque Wrench Pumps

▼ Shown: **PMU-10427**



- Powerful two-speed pump is lightweight and easy to carry
- Standard heat exchanger package keeps pump cool under extreme use
- Glycerin filled gauge with scales reading in psi and bar
- Transparent overlays in Ft.lbs and Nm for all Enerpac torque wrenches provide a quick torque reference
- Universal motor for a high power-to-weight ratio; generates full pressure on as little as 50% of the rated line voltage
- Adjustable pressure relief valve for accurate torque adjustments and precise repeatability

## PMU/PME Series

Reservoir Capacity:

**0.5-1 gal.**

Flow at 10,000 psi:

**20 in<sup>3</sup>/min.**

Motor Size:

**0.5 hp**

Maximum Operating Pressure:

**10,000 and 11,600 psi**



### Pump Ratings

-Q suffix pumps are for 10,000 psi torque wrenches, and include spin-on couplers.

-E suffix pumps are for use with 11,600 psi rated torque wrenches, and include polarized lock-ring safety couplers.



### Twin Torque Wrench Hoses

Use Enerpac THQ-700 series twin hoses with 10,000 psi pumps, or use THC-700 series twin hoses with 11,600 psi pumps.

| 10,000 psi              |                 |
|-------------------------|-----------------|
| 19.5 feet long, 2 hoses | <b>THQ-706T</b> |
| 39 feet long, 2 hoses   | <b>THQ-712T</b> |
| 11,600 psi              |                 |
| 19.5 feet long, 2 hoses | <b>THC-7062</b> |
| 39 feet long, 2 hoses   | <b>THC-7122</b> |

### ▼ SELECTION CHART

| For Use With Torque Wrenches |                  | Maximum Pressure Rating (psi) |                       | Oil Flow Rate (in <sup>3</sup> /min) |                       | Model Number       | Useable Oil Capacity (gal) | Electric Motor      | Dimensions L x W x H (in) | Weight (lbs) |
|------------------------------|------------------|-------------------------------|-----------------------|--------------------------------------|-----------------------|--------------------|----------------------------|---------------------|---------------------------|--------------|
|                              |                  | 1 <sup>st</sup> stage         | 2 <sup>nd</sup> stage | 1 <sup>st</sup> stage                | 2 <sup>nd</sup> stage |                    |                            |                     |                           |              |
| S1500X<br>S3000X             | W2000X<br>W4000X | 700                           | 10,000                | 200                                  | 20                    | <b>PMU-10427-Q</b> | .50                        | 115V- 1 ph -50/60Hz | 17 x 11 x 15              | 46           |
|                              |                  | 700                           | 10,000                | 200                                  | 20                    | <b>PMU-10447-Q</b> | 1.0                        | 115V- 1 ph -50/60Hz | 17 x 13 x 15              | 53           |
|                              |                  | 700                           | 10,000                | 200                                  | 20                    | <b>PMU-10422-Q</b> | .50                        | 230V- 1 ph -50/60Hz | 17 x 11 x 15              | 46           |
|                              |                  | 700                           | 10,000                | 200                                  | 20                    | <b>PMU-10442-Q</b> | 1.0                        | 230V- 1 ph -50/60Hz | 17 x 13 x 15              | 53           |
| SQD-25-I<br>SQD-50-I         | HXD-30<br>HXD-60 | 700                           | 11,600                | 200                                  | 20                    | <b>PMU-10427</b>   | .50                        | 115V- 1 ph -50/60Hz | 17 x 11 x 15              | 46           |
|                              |                  | 700                           | 11,600                | 200                                  | 20                    | <b>PMU-10447</b>   | 1.0                        | 115V- 1 ph -50/60Hz | 17 x 13 x 15              | 53           |
|                              |                  | 700                           | 11,600                | 200                                  | 20                    | <b>PMU-10422</b>   | .50                        | 230V- 1 ph -50/60Hz | 17 x 11 x 15              | 46           |
|                              |                  | 700                           | 11,600                | 200                                  | 20                    | <b>PMU-10442</b>   | 1.0                        | 230V- 1 ph -50/60Hz | 17 x 13 x 15              | 53           |

\* For pump without heat exchanger change PMU into PME. Example: PME-10442-Q.

PME-Series pump size 10 x 10 x 14 inches. Weight 37.5 lbs. (.50 gallon) and 44 lbs (1 gallon).

▼ Shown: TQ-700E



- Three stage pump design delivers optimized flow rates and enables up to 50% faster bolting than competing pumps
- Compact and lightweight design fits through tight openings and provides easy handling
- Built-in protection for controls, gauge, and pendant for job-site durability
- IP55 rating for superior dust and water protection
- Advanced brushless motor provides for quiet, continuous operation, high voltage tolerance, and low maintenance
- Heat exchanger prevents breakdown of oil during heavy usage in hot environments
- Simple pressure setting and convenient pendant control for hassle-free operation

▼ The TQ-700E and the W-Series wrenches are a productive combination in wind applications.



## Lightweight Electric Torque Wrench Pump



### Optimized for S- and W-series Hydraulic Torque Wrenches

Enerpac offers a complete range of square drive and hexagon cassette torque wrenches.

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### Pendant Control

The TQ-700 comes equipped with a 20-foot pendant cord which allows the user to pressurize the pump from a distance increasing productivity and speed of setup.



### Four Port Manifold

The TQ-700 Classic offers an optional four wrench manifold as an accessory (TQM) factory installed. (Add suffix "M" at the end of the model number. For example: TQ700EM)



### Twin Torque Wrench Hoses

Use Enerpac THQ-700 series twin hoses with 10,000 psi pumps.

#### 10,000 psi

|                         |          |
|-------------------------|----------|
| 19.5 feet long, 2 hoses | THQ-706T |
| 39 feet long, 2 hoses   | THQ-712T |



### Gauge Overlay Kit

Gauge overlay kits are also available separately.

**GT-4015-Q** includes overlays for all S- and W-Series

Torque Wrenches.

**GT-4015** includes overlays for all SQD and HXD torque wrenches.

# Electric Torque Wrench Pump



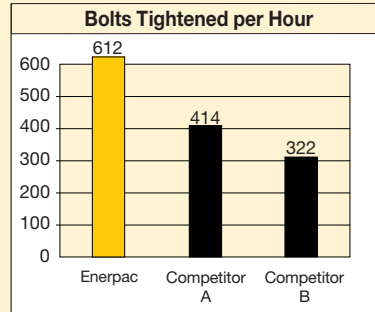
## TQ-700 Series Pump Applications

The TQ-700 Series pump is ideal for powering hydraulic wrenches for the Power Generation and Wind Markets.

The TQ-700 has been engineered with **Optimized Flow Technology** to deliver up to 50% faster bolt tightening than competing pumps.

Bolting speed is more complex than how much flow per minute the pump produces. The key is optimizing the flow rate across the entire bolting cycle. With more oil flowing at the right time and at the right volume, you achieve the optimized flow for a hydraulic bolting system.

The result of this optimized flow is more bolts tightened faster and a more productive work team.



Internal laboratory testing based on standard torquing procedure on a pipe flange with 14, 1 1/8" bolts.

## TQ Series



Reservoir Capacity:  
**1 gallon**

Motor Size:  
**1.0 hp**

Maximum Operating Pressure:  
**10,000 psi**

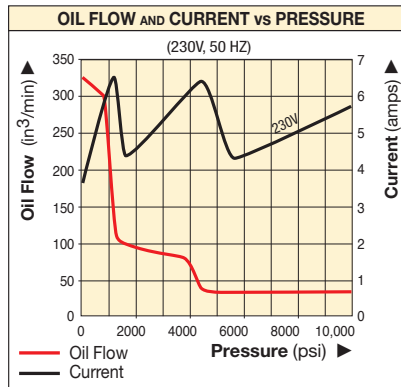
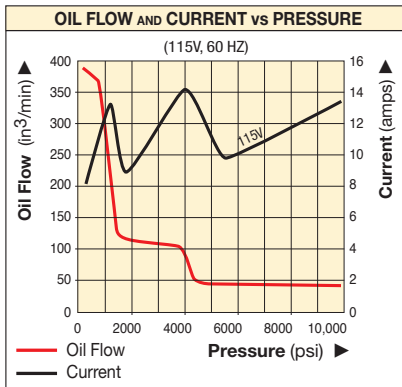


## IP55 Rating for Superior Dust and Water Protection

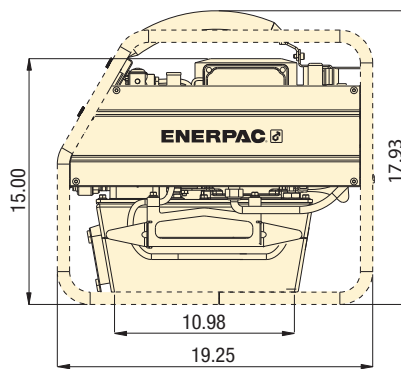
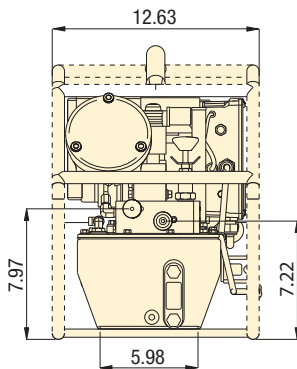
The IP Code (or Ingress Protection Rating) classifies and rates the degrees of protection provided against the intrusion of solid objects and water in mechanical casings and electrical enclosures.

An IP55 rating means the TQ-700 offers complete protection against contact with mechanical and electrical components, and that dust will not enter in a sufficient quantity to interfere with the operation of the equipment.

The IP55 rating also means water jets sprayed against the TQ-700 from any direction will not have any harmful effects.



Dimensions shown in inches.



| Performance | For Use with Torque Wrenches |                    | Pressure Rating | Model Number <sup>1)</sup> | Usable Oil Capacity | Motor Electrical Specification | Sound Level | Weight (no oil) |
|-------------|------------------------------|--------------------|-----------------|----------------------------|---------------------|--------------------------------|-------------|-----------------|
|             |                              |                    | (psi)           |                            | (gal)               |                                | (dBA)       | (lbs)           |
| Optimal     | S1500X                       | W2000X             | 10,000          | TQ-700B                    | 1                   | 115V-1 ph, 50 / 60 Hz          | 82-85       | 68              |
|             | S3000X                       | W4000X             |                 |                            | 1                   | 230V-1 ph, 50 Hz               | 82-85       | 66              |
|             | S6000X                       | W8000X             |                 | TQ-700E <sup>2)</sup>      | 1                   | 230V-1 ph, 60 Hz               | 82-85       | 66              |
| Acceptable  | S11000X                      | W15000X            | 10,000          | TQ-700I <sup>3)</sup>      | 1                   | 230V-1 ph, 60 Hz               | 82-85       | 66              |
|             | S25000X                      | W22000X<br>W35000X |                 |                            | 1                   | 230V-1 ph, 60 Hz               | 82-85       | 66              |

1) All models meet CE safety requirements and all TÜV requirements

2) European plug and CE EMC directive compliant

3) With NEMA 6-15 plug

▼ The TQ-700E and the W-Series wrenches are a productive combination.





▼ Shown: ZU4204TB-Q and ZU4204BB-Q



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Dependable.  
Innovative.  
**CLASS**



#### Classic Electrical

Basic electrical package includes mechanical contactor, ON/OFF toggle switch, pendant with

electro-mechanical pushbuttons, 24V transformer timer and operator accessible circuit breaker.

- Features **Z-Class** high-efficiency pump design; higher oil flow and bypass pressure, cooler running and requires 18% less current draw than comparable pumps
- Powerful 1.7 hp universal electric motor provides high power-to-weight ratio and excellent low-voltage operating characteristics
- High-strength, molded composite shroud protects motor and electrical components, while providing an ergonomic, non-conductive handle for easy transport
- Low-voltage pendant provides additional safety for the operator

#### Pro-Series

- LCD readout provides pressure and torque display and a number of diagnostic and readout capabilities never before offered on a portable electric pump
- Auto cycle feature provides continuous cycle operation of the torque wrench as long as the advance button is pressed. (Pump can be used with or without auto cycle feature)



◀ Any brand of hydraulic torque wrench can be powered by the portable ZU4-Series torque wrench pump.



#### FIRMWARE for Pro-Series

- Display torque in Ft.lbs. or Nm
- Display pressure in bar, MPa or psi

- Torque wrench model is selectable
- "Auto cycle" setting easily programmable

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#### Back-lit LCD Display for Pro Series

- Digital pressure or torque read-out
- Programmable "Auto-Cycle" setting

- "Auto-Cycle" setting easily programmable
- Torque wrench model is selectable
- Display torque in Nm or Ft.lbs
- Pump usage information, hour and cycle counts
- Low-voltage warning and recording
- Self-test and diagnostic capabilities
- Information can be displayed in English, French, German, Italian, Spanish and Portuguese
- Pressure transducer is more accurate and durable than analog gauges

# ZU4T Torque Wrench Pumps



## Z-Class – A Pump For Every Application

Patented Z-Class pump technology provides

high by-pass pressures for increased productivity—important in applications using long hose runs and high pressure-drop circuits, like heavy lifting or certain double-acting tools.

Enerpac ZU4 Hydraulic Pumps are built to power small to large torque wrenches. Choosing the right ZU4 torque wrench pump for your application is easy.

### Classic Electric Torque Wrench Pump

- The Classic has an analog gauge and traditional electro-mechanical components (transformers, relays and switches) in place of solid-state electronics. The Classic

delivers durable, safe and efficient hydraulic power.

### Pro Series Electric Torque Wrench Pump

- Digital (LCD) display features a built-in hour meter, pressure and torque display, and shows self-diagnostic, cycle-count and low voltage warning information. These premium features are not available on any other pump—anywhere!
- AutoCycle feature provides continuous cycle operation of the torque wrench as long as the advance button is pressed. (Pump can be used with or without AutoCycle feature).

## ZU4T Series



Reservoir Capacity:

**1 and 1.75 gal.**

Flow at 10,000 psi:

**60 in<sup>3</sup>/min.**

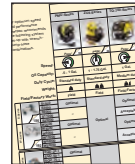
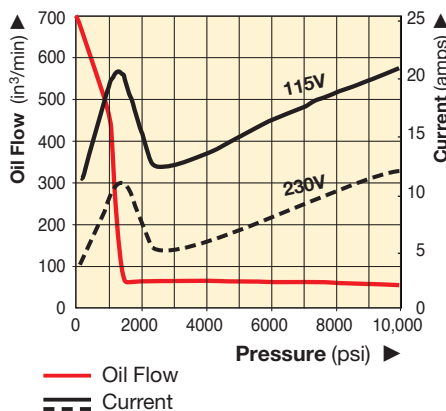
Motor Size:

**1.7 hp**

Maximum Operating Pressure:

**10,000 psi**

### OIL FLOW AND CURRENT vs PRESSURE



### Torque Wrench Pump Selection Matrix

For optimum speed and performance see the torque wrench pump and hose selection matrix.

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### Pump Ratings

-Q suffix pumps are for 10,000 psi torque wrenches, and include spin-on couplers.

-E suffix pumps are for use with Enerpac SQD and HXD 11,600 psi torque wrenches, and include polarized lock-ring safety couplers.

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### COMMON PUMP MODELS

|            | For Use With Torque Wrenches | Model Number <sup>1) 4)</sup> | Motor Electrical Specification | Usable Oil Capacity (gal) | Weight with Oil (lbs) |
|------------|------------------------------|-------------------------------|--------------------------------|---------------------------|-----------------------|
| Pro Series | All wrenches                 | ZU4204TB-Q                    | 115 V-1 ph                     | 1.0                       | 70                    |
|            |                              | ZU4208TB-Q                    | 115 V-1 ph                     | 1.75                      | 76                    |
|            |                              | ZU4204TE-Q <sup>2)</sup>      | 208-240 V-1 ph                 | 1.0                       | 70                    |
|            |                              | ZU4208TE-Q <sup>2)</sup>      | 208-240 V-1 ph                 | 1.75                      | 76                    |
|            |                              | ZU4204TI-Q <sup>3)</sup>      | 208-240 V-1 ph                 | 1.0                       | 70                    |
|            |                              | ZU4208TI-Q <sup>3)</sup>      | 208-240 V-1 ph                 | 1.75                      | 76                    |
| Classic    | All wrenches                 | ZU4204BB-QH                   | 115 V-1 ph                     | 1.0                       | 82                    |
|            |                              | ZU4204BB-Q                    | 115 V-1 ph                     | 1.0                       | 73                    |
|            |                              | ZU4208BE-QH <sup>2)</sup>     | 208-240 V-1 ph                 | 1.75                      | 83                    |
|            |                              | ZU4204BE-Q <sup>2)</sup>      | 208-240 V-1 ph                 | 1.0                       | 74                    |
|            |                              | ZU4208BI-QH <sup>3)</sup>     | 208-240 V-1 ph                 | 1.75                      | 88                    |
|            |                              | ZU4208BI-Q <sup>3)</sup>      | 208-240 V-1 ph                 | 1.75                      | 79                    |

<sup>1)</sup> All models meet CE safety requirements and all TÜV requirements

<sup>2)</sup> European plug and CE EMC directive compliant

<sup>3)</sup> With NEMA 6-15 plug

<sup>4)</sup> Replace the Q- suffix with an -E suffix for Enerpac SQD and HXD 11,600 psi torque wrench pumps



### Gauge Overlay Kit

Gauge overlay kits are also available separately.

GT-4015-Q includes overlays for all S- and W-Series

torque wrenches.

GT-4015 includes overlays for all SQD and HXD torque wrenches.

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# ZU4T Ordering Matrix and Specifications

▼ This is how a ZU4 Series pump model number is built up:

| 1            | 2          | 3          | 4          | 5              | 6               | 7       | 8              | 8       | 8       |
|--------------|------------|------------|------------|----------------|-----------------|---------|----------------|---------|---------|
| Product Type | Motor Type | Flow Group | Valve Type | Reservoir Size | Valve Operation | Voltage | Must be E or Q | Options | Options |

## 1 Product Type

**Z** = Pump series

## 2 Motor Type

**U** = Universal electric motor

## 3 Flow Group

**4** = 60 in<sup>3</sup>/min @ 10,000 psi

## 4 Valve Type

**2** = Torque wrench valve

## 5 Reservoir Size (useable capacity)

**04** = 1.0 gallon  
**08** = 1.75 gallons

## 6 Valve Operation

**T** = Solenoid valve with pendant, LCD Electric and pressure transducer

**B** = Solenoid valve with pendant, classic electrical

## 7 Voltage

**B** = 115V, 1 ph, 50/60 Hz

**E** = 208-240V, 1 ph, 50/60 Hz (with European plug CE RF compliant)

**I** = 208-240V, 1 ph, 50/60 Hz (with NEMA 6-15 plug)

## 8 Factory installed features and options

**E** = 11,600 coupler for use with HXD-, SQD-Series or other wrenches

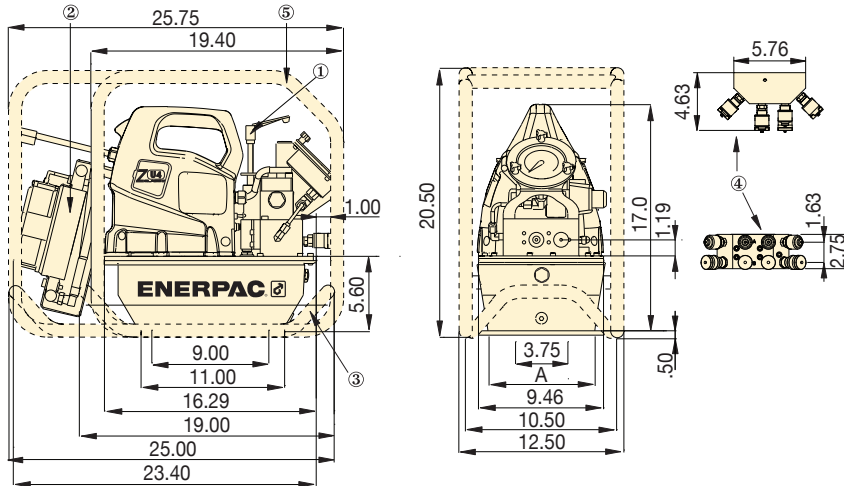
**Q** = 10,000 coupler for use with S- and W-Series or other wrenches

**H** = Heat exchanger

**K** = Skidbar

**M** = 4-wrench manifold

**R** = Roll cage



**ZU4-Series Torque Wrench Pumps**

| Reservoir Size (useable gallons) | A (in) |
|----------------------------------|--------|
| <b>1</b>                         | 6.0    |
| <b>1.75</b>                      | 8.1    |

Dimensions shown in inches

- ① User adjustable relief valve
- ② Heat exchanger (optional)
- ③ Skidbar (optional)
- ④ 4-wrench manifold (optional)
- ⑤ Roll cage (optional)

| ZU4 Performance |   |         |           |            |                                    |                   |                                     |
|-----------------|---|---------|-----------|------------|------------------------------------|-------------------|-------------------------------------|
| Motor Size (hp) | Output Flow Rate (in <sup>3</sup> /min) |         |           |            | *Motor Electrical Specification    | Sound Level (dBA) | Relief Valve Adjustment Range (psi) |
|                 | 100 psi                                 | 700 psi | 5,000 psi | 10,000 psi |                                    |                   |                                     |
| 1.7             | 700                                     | 535     | 76        | 60         | 115 VAC, 1-ph<br>208-240 VAC, 1-ph | 85-90             | 1,800-10,000**                      |

\* 50/60 HZ

\*\* Pump type (-Q) shown, (-E) range is 1,800 - 11,600 psi.



## How to order your ZU4T-Series torque wrench pump

### Ordering Example 1

#### Model No. ZU4208TB-QMHK

**10,000 psi** pump for use with Enerpac S- and W-Series and other 10,000 psi torque wrenches, 115V motor, 1.75 gallon reservoir, 4-wrench manifold, heat exchanger and skidbar.

Refer to the torque wrench pump selection matrix for optimum wrench, pump and hose combinations.



### Twin Torque Wrench Hoses

Use Enerpac **THQ-700** series twin hoses with 10,000 psi pumps, or use **THC-700** series twin hoses with 11,600 psi pumps.

| 10,000 psi              |                 |
|-------------------------|-----------------|
| 19.5 feet long, 2 hoses | <b>THQ-706T</b> |
| 39 feet long, 2 hoses   | <b>THQ-712T</b> |
| 11,600 psi              |                 |
| 19.5 feet long, 2 hoses | <b>THC-7062</b> |
| 39 feet long, 2 hoses   | <b>THC-7122</b> |

▼ Most hydraulic torque wrenches can be powered by the Enerpac ZU4-Series torque wrench pump.





# ZU4T Torque Wrench Pump Options



## Heat Exchanger

- Removes heat from the bypass oil to provide cooler operation
- Stabilizes oil viscosity, increasing oil life and reduces wear of pump and other hydraulic components



## Skidbar

- Provides greater pump stability on soft or uneven surfaces
- Provides easy two-handed lift

## ZU4T Series



Reservoir Capacity:

**1 and 1.75 gal.**

Flow at 10,000 psi:

**60 in<sup>3</sup>/min.**

Motor Size:

**1.7 hp**

Maximum Operating Pressure:

**10,000 psi**

| Accessory Kit No. * | Can be used with: |
|---------------------|-------------------|
| <b>ZHE-U115</b>     | 115V pumps        |
| <b>ZHE-U230</b>     | 230V pumps        |

\* Add suffix **H** to pump model number for factory installation.  
Heat Exchanger adds 9.1 lbs. to pump weight.

Ordering Example:

Model No. ZU4208TB-H

| Accessory Kit No. * | Can be used on ZU4-Series torque wrench pumps |
|---------------------|---|
| <b>SBZ-4</b>        | 1 and 1.75 gallon <sup>1)</sup>               |
| <b>SBZ-4L</b>       | 1 and 1.75 gallon <sup>2)</sup>               |

\* Add suffix **K** to pump model number for factory installation.

<sup>1)</sup> Without heat exchanger 4.9 lbs.

<sup>2)</sup> With heat exchanger 7.0 lbs.

Ordering Example:

Model No. ZU4208TB-QK



## Roll Cage

- Protects pump
- Provides greater pump stability



## 4-Wrench Manifold

- For simultaneous operation of multiple torque wrenches
- Can be factory installed or ordered separately

| Accessory Kit No. * | Can be used on ZU4-Series torque wrench pumps |
|---------------------|---|
| <b>ZRC-04</b>       | 1 and 1.75 gallon reservoir <sup>1)</sup>     |
| <b>ZRC-04H</b>      | 1 and 1.75 gallon reservoir <sup>2)</sup>     |

\* Add suffix **R** for factory installation.

<sup>1)</sup> For use with pumps without a heat exchanger fitted

<sup>2)</sup> For use with pumps with a heat exchanger fitted

Ordering Example:

Model No. ZU4208BB-QR

| Accessory Kit No. * | Can be used on ZU4-Series torque wrench pumps |
|---------------------|---|
| <b>ZTM-E</b>        | for 11,600 psi torque wrenches                |
| <b>ZTM-Q</b>        | for 10,000 psi torque wrenches                |

\* Add suffix **M** to pump model number for factory installation.

Ordering Example:

Model No. ZU4208TB-QM

▼ Shown: ZE4204TB-QHR



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#### FIRMWARE for Pro-Series

- Display torque in Ft.lbs. or Nm
- Display pressure in bar, MPa or psi
- Torque wrench model is selectable
- "Auto cycle" setting easily programmable

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- Auto cycle feature provides continuous cycle operation of the torque wrench as long as the advance button is pressed (Pump can be used with or without auto cycle feature)
- LCD readout provides pressure and torque display and a number of diagnostic and readout capabilities never before offered on a portable electric pump
- Totally enclosed, fan-cooled industrial electric motors supply extended life and stand up to harsh industrial environments
- High-strength, molded electrical enclosure protects electronics, power supplies and LCD readout from harsh environments



#### Back-lit LCD Display

- Digital pressure or torque read-out
- Programmable "Auto-Cycle" setting
- "Auto-Cycle" setting easily programmable
- Torque wrench model is selectable
- Display torque in Nm or Ft.lbs
- Pump usage information, hour and cycle counts
- Low-voltage warning and recording
- Self-test and diagnostic capabilities
- Information can be displayed in English, French, German, Italian, Spanish and Portuguese
- Pressure transducer is more accurate and durable than analog gauges

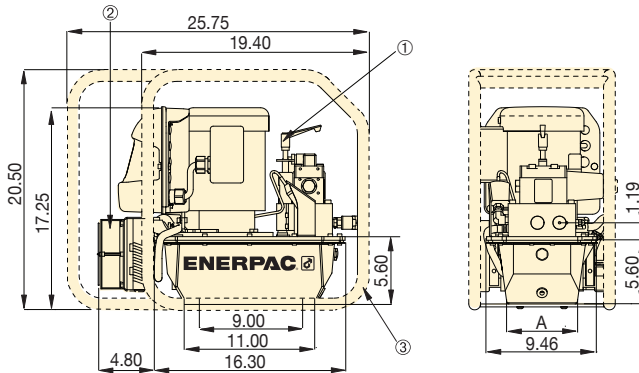
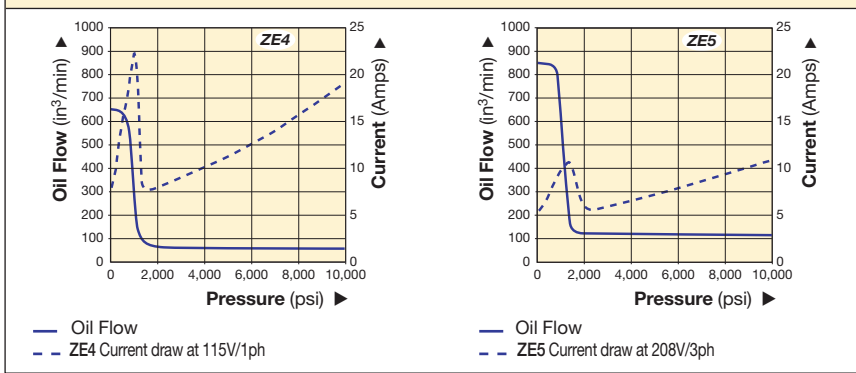


◀ The ZE4 torque wrench pumps are perfectly matched for this W2000X wrench.



# ZE Series Electric Torque Wrench Pumps

ZE4 and ZE5 Oil Flow and Current vs. Pressure



| Reservoir Size<br>(useable gallons) | A<br>(in) |
|-------------------------------------|-----------|
| 1                                   | 6.0       |
| 1.75                                | 8.1       |

Dimensions shown in inches.

- ① User adjustable relief valve
- ② Heat Exchanger (optional)
- ③ Roll cage (optional)

## ▼ COMMON PUMP MODELS

| For Use With<br>Torque<br>Wrenches    | Max.<br>Operating<br>Pressure<br>(psi) | Model Number<br>with Heat<br>Exchanger and<br>Roll Cage | Motor<br>Electrical<br>Specification | Usable<br>Oil<br>Capacity <sup>1)</sup><br>(gal) | Weight<br>with<br>Oil<br>(lbs) |
|---------------------------------------|--|---|--------------------------------------|--|--------------------------------|
| All S- and<br>W-Series<br>Wrenches    | 10,000                                 | ZE4208TB-QHR  | 115 V-1 ph                           | 2  | 129                            |
|                                       | 10,000                                 | ZE4208TI-QHR  | 230 V-1 ph                           | 2  | 129                            |
|                                       | 10,000                                 | ZE4208TG-QHR  | 230 V-3 ph                           | 2  | 131                            |
|                                       | 10,000                                 | ZE5208TW-QHR  | 400 V-3 ph                           | 2  | 131                            |
| All SQD and<br>HXD-Series<br>Wrenches | 11,600                                 | ZE4208TB-EHR  | 115 V-1 ph                           | 2  | 138                            |
|                                       | 11,600                                 | ZE4208TI-EHR  | 230 V-1 ph                           | 2  | 129                            |
|                                       | 11,600                                 | ZE4208TG-EHR  | 230 V-3 ph                           | 2  | 141                            |
|                                       | 11,600                                 | ZE5208TW-EHR  | 400 V-3 ph                           | 2  | 132                            |

<sup>1)</sup> Reservoir sizes available: 1, 2, 2.5, 5, 10 gallon. Contact Enerpac.

## ▼ PERFORMANCE CHART

| Pump<br>Series | Output Flow Rate<br>(in³/min) |            |              |               | Motor Size |      | Relief Valve<br>Adjustment<br>Range<br>(psi) | Sound<br>Level<br>(dBA) |
|----------------|-------------------------------|------------|--------------|---------------|------------|------|--|-------------------------|
|                | 100<br>psi                    | 700<br>psi | 5,000<br>psi | 10,000<br>psi | hp         | RPM  |  |                         |
| ZE4T           | 650                           | 600        | 62           | 60            | 1.5        | 1750 | 1000 - 11,600                                | 75                      |
| ZE5T           | 850                           | 825        | 123          | 120           | 3.0        | 1750 | 1000 - 11,600                                | 75                      |

Flow rate will be approximately 5/6 of these values at 50 Hz.

## ZE Series



Reservoir Capacity:

**1.0 -10 gal.**

Flow at 10,000 psi:

**60-120 in³/min.**

Motor Size:

**1.5-3.0 hp**

Maximum Operating Pressure:

**10,000 and 11,600 psi**



### Accessory Options

A full list of optional accessories can be found in the ZU4 section.

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### Twin Torque Wrench Hoses

Use Enerpac **THQ-700** series twin hoses with 10,000 psi pumps, or use **THC-700** series twin hoses with 11,600 psi pumps.

| 10,000 psi              |                 |
|-------------------------|-----------------|
| 19.5 feet long, 2 hoses | <b>THQ-706T</b> |
| 39 feet long, 2 hoses   | <b>THQ-712T</b> |
| 11,600 psi              |                 |
| 19.5 feet long, 2 hoses | <b>THC-7062</b> |
| 39 feet long, 2 hoses   | <b>THC-7122</b> |

▼ Shown: **ZA4204TX-QR**



**Z** Tough.  
Dependable.  
Innovative.  
**CLASS**



#### Twin Torque Wrench Hoses

Use Enerpac **THQ-700** series twin hoses with 10,000 psi pumps, or use **THC-700** series twin hoses with 11,600 psi pumps.

| 10,000 psi              |                 |
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| 19.5 feet long, 2 hoses | <b>THQ-706T</b> |
| 39 feet long, 2 hoses   | <b>THQ-712T</b> |
| 11,600 psi              |                 |
| 19.5 feet long, 2 hoses | <b>THC-7062</b> |
| 39 feet long, 2 hoses   | <b>THC-7122</b> |



#### Gauge Overlay Kit

Gauge overlay kits are also available separately.

**GT-4015-Q** includes overlays for all S- and W-Series torque wrenches.

**GT-4015** includes overlays for all SQD and HXD torque wrenches.



◀ Most hydraulic torque wrenches can be powered by the Enerpac ZA4-Series torque wrench pump.

# ZA4T Air Driven Torque Wrench Pumps



## ZA4-Series Pump Applications

The ZA4-Series pump is best suited to power medium to large size torque wrenches.

Patent-pending *Z-Class* technology provides high by-pass pressures for increased productivity. Its high power-to-weight ratio and compact design make it ideal for applications which require easy transport of the pump.

For further application assistance contact your local Enerpac office.

## ATEX Certified

The ZA-series pumps are tested and certified according to the **Equipment Directive 94 / 9 / EC "ATEX Directive"**.

The explosion protection is for equipment group II, equipment category 2 (hazardous area zone 1), in gas and/or dust atmospheres. The ZA-series pumps are marked with: Ex II 2 GD ck T4.



## ZA4T Series



Reservoir Capacity:

**1 and 1.75 gal.**

Flow at 10,000 psi:

**60 in<sup>3</sup>/min.**

Air Consumption:

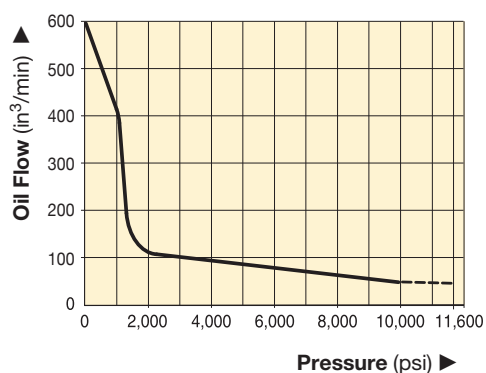
**20-100 scfm**

Maximum Operating Pressure:

**10,000 and 11,600 psi**

## OIL FLOW vs PRESSURE

100 psi dynamic air pressure  
at 70 scfm



## COMMON PUMP MODELS

| For Use With Torque Wrenches         | Maximum Operating Pressure (psi) | Model Number <sup>1)</sup> | Usable Oil Capacity (gal) | Weight with Oil (lbs) |
|--------------------------------------|----------------------------------|----------------------------|---------------------------|-----------------------|
| For all S- and W- Series (X-Edition) | 10,000                           | ZA4204TX-Q                 | 1.0                       | 94                    |
|                                      | 10,000                           | ZA4208TX-Q                 | 1.75                      | 100                   |
|                                      | 10,000                           | ZA4204TX-QR                | 1.0                       | 101                   |
|                                      | 10,000                           | ZA4208TX-QR                | 1.75                      | 112                   |
| For all SQD- and HXD-Series          | 11,600                           | ZA4204TX-E                 | 1.0                       | 94                    |
|                                      | 11,600                           | ZA4208TX-E                 | 1.75                      | 100                   |
|                                      | 11,600                           | ZA4204TX-ER                | 1.0                       | 101                   |
|                                      | 11,600                           | ZA4208TX-ER                | 1.75                      | 112                   |

<sup>1)</sup> All models meet CE safety requirements and all TÜV requirements.



## Torque Wrench Pump Selection Matrix

For optimum speed and performance see the torque wrench, pump and hose selection matrix.

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## Accessory Options

Available by placing the following additional suffix at the end of the model number:

- K** = Skidbar
- M** = 4-wrench manifold
- R** = Roll cage

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## Pump Ratings

**-Q** suffix pumps are for 10,000 psi torque wrenches, and include spin-on couplers.

**-E** suffix pumps are for use with Enerpac SQD and HXD 11,600 psi torque wrenches, and include polarized lock-ring safety couplers.



# ZA4T Ordering Matrix and Specifications

▼ This is how a ZA4-Series pump model number is built up:

| Z            | A          | 4          | 2          | 08             | T               | X       | - | Q              | M       | R       |
|--------------|------------|------------|------------|----------------|-----------------|---------|---|----------------|---------|---------|
| 1            | 2          | 3          | 4          | 5              | 6               | 7       |   | 8              | 8       | 8       |
| Product Type | Motor Type | Flow Group | Valve Type | Reservoir Size | Valve Operation | Voltage |   | Must be E or Q | Options | Options |

## 1 Product Type

**Z** = Pump Series

## 2 Motor Type

**A** = Air motor

## 3 Flow Group

**4** = 60 in<sup>3</sup>/min @ 10,000 psi

## 4 Valve Type

**2** = Torque Wrench Valve

## 5 Reservoir Size (useable capacity)

**04** = 1.0 gallon

**08** = 1.75 gallons

## 6 Valve Operation

**T** = Air operated valve with pendant

## 7 Voltage

**X** = Not applicable

## 8 Factory installed features and options

**E** = 11,600 psi coupler for use with HXD- and SQD-Series wrenches

**Q** = 10,000 psi coupler for use with S- and W-Series or other wrenches

**K** = Skidbar

**M** = 4-wrench manifold

**R** = Roll cage



**How to order your ZA4-Series torque wrench pump**

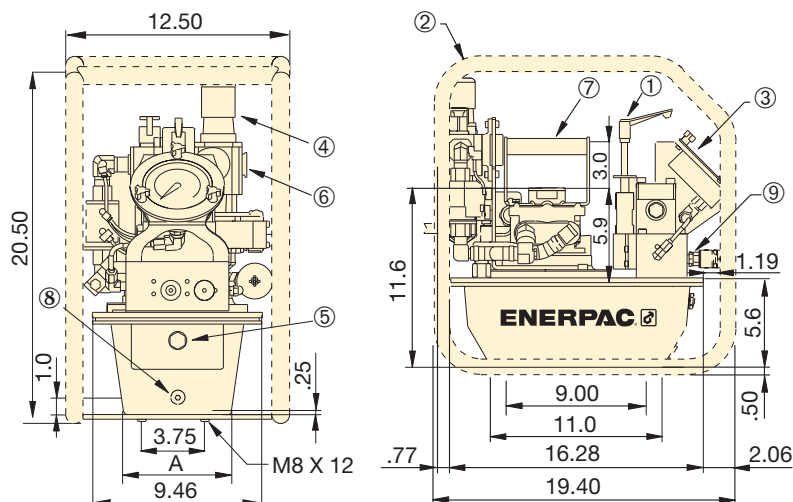
### Ordering Example 1

#### Model No. ZA4208TX-QMR

**10,000 psi** pump for use with Enerpac S- and W-Series and other 10,000 psi torque wrenches, 1.75 gallon reservoir, 4-wrench manifold, and roll cage.

Refer to the torque wrench pump selection matrix for optimum wrench, pump and hose combinations.

Dimensions shown in inches.



- ① User adjustable relief valve
- ② Roll bar cage (optional)
- ③ Gauge with overlays
- ④ Filter/lubricator/regulator
- ⑤ Oil level sight gauge
- ⑥ Air input 1/2" NPTF
- ⑦ Standard handle
- ⑧ Oil drain
- ⑨ 1/4"-18 NPTF Oil Outlet

### ZA4-Series Torque Wrench Pumps

| Reservoir Size<br>(useable gallons) | A<br>(in) |
|-------------------------------------|-----------|
| 1                                   | 6.0       |
| 1.75                                | 8.1       |

▼ Most hydraulic torque wrenches can be powered by the Enerpac ZA4-Series torque wrench pump.



| ZA4 Performance                            |         |           |            |            |                            |                 |                                |                               |
|--|---------|-----------|------------|------------|----------------------------|-----------------|--------------------------------|-------------------------------|
| Output Flow Rate<br>(in <sup>3</sup> /min) |         |           |            |            | Dynamic Air Pressure Range | Air Consumption | Sound Level at 100 psi Dynamic | Relief Valve Adjustment Range |
| 100 psi                                    | 700 psi | 5,000 psi | 10,000 psi | 11,600 psi | (psi)                      | (scfm)          | (dBA)                          | (psi)                         |
| 600  | 500     | 80        | 60         | 55         | 60-100                     | 20-100          | 80-95                          | 1,400-10,000*                 |

\* Pump type (-Q) shown.

# ZA4T Torque Wrench Pump Options



## Skidbar

- Provides greater pump stability on soft or uneven surfaces
- Provides two-handed lift

| Accessory Kit No. * | Can be used on ZA4-Series torque wrench pumps |
|---------------------|---|
| SBZ-4               | 1 and 1.75 gallon reservoir                   |

\* Add suffix **K** for factory installation.  
Skidbar weight 4.9 lbs.

Ordering Example:

Model No. ZA4208TX-QK



## 4-Wrench Manifold

- For simultaneous operation of multiple torque wrenches
- Can be factory installed or ordered separately

| Accessory Kit No. * | Can be used on ZA4-Series torque wrench pumps |
|---------------------|---|
| ZTM-E               | for 11,600 psi torque wrenches                |
| ZTM-Q               | for 10,000 psi torque wrenches                |

\* Add suffix **M** for factory installation.

Ordering Example:

Model No. ZA4208TX-QM

## ZA4T Series



Reservoir Capacity:

**1 and 1.75 gal.**

Flow at 10,000 psi:

**60 in<sup>3</sup>/min.**

Air Consumption:

**20-100 scfm**

Maximum Operating Pressure:

**10,000 and 11,600 psi**



## Gauge Overlay Kit

Gauge overlay kits are also available separately.

**GT-4015** includes overlays for all SQD and HXD torque wrenches. **GT-4015-Q**

includes overlays for all S- and W-Series torque wrenches.



## Roll Cage

- Protects pump
- Provides greater pump stability

| Accessory Kit No. * | Can be used on ZA4-Series torque wrench pumps |
|---------------------|---|
| ZRC-04              | 1 and 1.75 gallon reservoir                   |

\* Add suffix **R** for factory installation.  
Roll bar cage weight 7.5 lbs.

Ordering Example:

Model No. ZA4208TX-QR



## Twin Torque Wrench Hoses

Use Enerpac THQ-700 series twin hoses with 10,000 psi pumps, or use THC-700 series twin hoses with 11,600 psi pumps.

| 10,000 psi              |                 |
|-------------------------|-----------------|
| 19.5 feet long, 2 hoses | <b>THQ-706T</b> |
| 39 feet long, 2 hoses   | <b>THQ-712T</b> |
| 11,600 psi              |                 |
| 19.5 feet long, 2 hoses | <b>THC-7062</b> |
| 39 feet long, 2 hoses   | <b>THC-7122</b> |



## Torque Wrench Couplers

For Enerpac torque wrench couplers see our "System Components" section in this catalog.

▼ Shown: GT-Series bolt tensioners



- Six load cells from  $\frac{5}{8}$ " to  $3\frac{3}{4}$ " or from M16 to M95
- Twin ports for quick connection of multiple tools
- Only one size of bridge per size of load cell
- Detachable and rotational bridge simplifies tool positioning
- Full bridge window
- Piston stroke indicator
- Black surface treatment protects against corrosion
- Anti-slip grip for more secure handling
- Universal and multi-use tool

## Accurate & Reliable Extreme Performance Bolt Tensioner



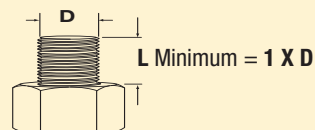
### Pumps and Accessories

High pressure pumps, hoses and fittings matched for use with the Enerpac GT Bolt Tensioning system.

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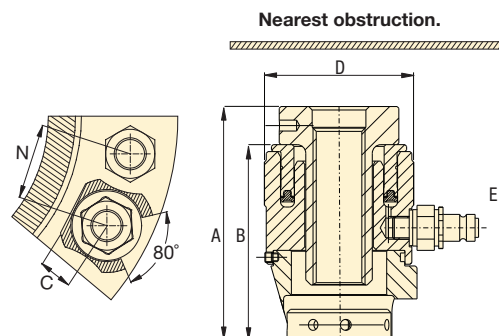
### Minimum Stud Protrusion



### Ultra High Pressure

These products operate at ultra-high pressure, use only the specified fittings and hoses designed for these pressures.

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▼ GT2 Bolt Tensioner on a flange joint.



| Threaded Fastener Range             |         | Load Cell and Bridge Reference | Technical Data                             |                     |             | Dimensions (in) |      |      |      | Weight (lbs) |
|-------------------------------------|---------|--------------------------------|--|---------------------|-------------|-----------------|------|------|------|--------------|
|                                     |         |                                | Cylinder Effective Area (in <sup>2</sup> ) | Load Capacity (ton) | Stroke (in) | A               | B    | C    | D    |              |
| $\frac{5}{8}$ " - 1"                | M16-M30 | GT1-LCB                        | 2.32                                       | 25.2                | 0.39        | 5.31            | 4.45 | 1.06 | 3.39 | 6.60         |
| $1\frac{1}{8}$ " - $1\frac{1}{2}$ " | M30-M39 | GT2-LCB                        | 4.15                                       | 45.1                | 0.39        | 5.35            | 4.37 | 1.38 | 4.21 | 9.02         |
| $1\frac{1}{2}$ " - 2"               | M39-M52 | GT3-LCB                        | 7.95                                       | 86.4                | 0.39        | 6.30            | 4.96 | 1.81 | 5.43 | 15.40        |
| 2" - $2\frac{1}{2}$ "               | M52-M68 | GT4-LCB                        | 15.16                                      | 164.9               | 0.39        | 7.09            | 5.55 | 2.44 | 6.85 | 26.84        |
| $2\frac{1}{2}$ " - $3\frac{1}{4}$ " | M68-M80 | GT5-LCB                        | 23.37                                      | 254.1               | 0.39        | 7.95            | 6.18 | 3.07 | 8.27 | 41.14        |
| $3\frac{1}{4}$ " - $3\frac{3}{4}$ " | M80-M95 | GT6-LCB                        | 29.41                                      | 319.8               | 0.39        | 8.62            | 6.81 | 3.23 | 9.45 | 61.16        |



# GT-Series Hydraulic Bolt Tensioners

| Load Cell and Bridge Reference | Thread Size           | Adaptor Kit Model Number | Pitch Between Bolts N (in) | Minimum Height E (in) | Weight (lbs) |
|--------------------------------|-----------------------|--------------------------|----------------------------|-----------------------|--------------|
| GT1-LCB                        | M16 x 2               | GT1PM-NRS01620           | 2.17                       | 6.65                  | 3.48         |
|                                | M18 x 2.5             | GT1PM-NRS01825           | 2.20                       | 6.50                  | 3.32         |
|                                | M20 x 2.5             | GT1PM-NRS02025           | 2.24                       | 6.50                  | 3.15         |
|                                | M24 x 3               | GT1PM-NRS02430           | 2.32                       | 6.46                  | 2.88         |
|                                | M27 x 3               | GT1PM-NRS02730           | 2.44                       | 6.57                  | 2.55         |
|                                | M30 x 3.5             | GT1PM-NRS03035           | 2.56                       | 6.69                  | 2.22         |
|                                | $\frac{5}{8}$ " 11UN  | GT1P-NRS0625U11          | 2.17                       | 6.65                  | 3.45         |
|                                | $\frac{3}{4}$ " 10UN  | GT1P-NRS0750U10          | 2.20                       | 6.50                  | 3.17         |
|                                | $\frac{7}{8}$ " 9UN   | GT1P-NRS0875U09          | 2.32                       | 6.46                  | 2.86         |
|                                | 1" 8UN                | GT1P-NRS1000U08          | 2.44                       | 6.57                  | 2.68         |
|                                | 1 $\frac{1}{8}$ " 8UN | GT1P-NRS1125U08          | 2.56                       | 6.69                  | 2.31         |
| GT2-LCB                        | M30 x 3.5             | GT2PM-NRS03035           | 2.80                       | 6.81                  | 5.68         |
|                                | M33 x 3.5             | GT2PM-NRS03335           | 2.91                       | 6.85                  | 5.21         |
|                                | M36 x 4               | GT2PM-NRS03640           | 3.03                       | 6.97                  | 4.77         |
|                                | M39 x 4               | GT2PM-NRS03940           | 3.15                       | 7.09                  | 4.25         |
|                                | 1 $\frac{1}{8}$ " 8UN | GT2P-NRS1125U08          | 2.80                       | 6.81                  | 5.81         |
|                                | 1 $\frac{1}{4}$ " 8UN | GT2P-NRS1250U08          | 2.91                       | 6.85                  | 5.32         |
|                                | 1 $\frac{3}{8}$ " 8UN | GT2P-NRS1375U08          | 3.03                       | 6.97                  | 4.84         |
|                                | 1 $\frac{1}{2}$ " 8UN | GT2P-NRS1500U08          | 3.15                       | 7.09                  | 4.29         |
| GT3-LCB                        | M39 x 4               | GT3PM-NRS03940           | 3.62                       | 8.35                  | 12.50        |
|                                | M42 x 4.5             | GT3PM-NRS04245           | 3.78                       | 8.46                  | 11.77        |
|                                | M45 x 4.5             | GT3PM-NRS04545           | 3.90                       | 8.58                  | 10.96        |
|                                | M48 x 5               | GT3PM-NRS04850           | 4.13                       | 8.50                  | 10.25        |
|                                | M52 x 5               | GT3PM-NRS05250           | 4.25                       | 8.66                  | 9.20         |
|                                | 1 $\frac{1}{2}$ " 8UN | GT3P-NRS1500U08          | 3.62                       | 8.35                  | 12.56        |
|                                | 1 $\frac{5}{8}$ " 8UN | GT3P-NRS1625U08          | 3.78                       | 8.46                  | 11.70        |
|                                | 1 $\frac{3}{4}$ " 8UN | GT3P-NRS1750U08          | 3.90                       | 8.58                  | 10.89        |
|                                | 1 $\frac{7}{8}$ " 8UN | GT3P-NRS1875U08          | 4.13                       | 8.50                  | 10.10        |
|                                | 2" 8UN                | GT3P-NRS2000U08          | 4.25                       | 8.66                  | 9.17         |
| GT4-LCB                        | M52 x 5               | GT4PM-NRS05250           | 4.65                       | 9.45                  | 23.63        |
|                                | M56 x 5.5             | GT4PM-NRS05655           | 4.76                       | 9.61                  | 22.22        |
|                                | M60 x 5.5             | GT4PM-NRS06055           | 4.88                       | 9.76                  | 20.77        |
|                                | M64 x 6               | GT4PM-NRS06460           | 5.00                       | 9.92                  | 19.32        |
|                                | M68 x 6               | GT4PM-NRS06860           | 5.12                       | 10.08                 | 17.80        |
|                                | 2" 8UN                | GT4P-NRS2000U08          | 4.65                       | 9.45                  | 23.63        |
|                                | 2 $\frac{1}{4}$ " 8UN | GT4P-NRS2250U08          | 4.76                       | 9.61                  | 21.23        |
|                                | 2 $\frac{1}{2}$ " 8UN | GT4P-NRS2500U08          | 5.00                       | 9.92                  | 18.63        |
| GT5-LCB                        | M68 x 6               | GT5PM-NRS06860           | 5.71                       | 10.94                 | 38.02        |
|                                | M72 x 6               | GT5PM-NRS07260           | 5.87                       | 11.10                 | 36.06        |
|                                | M76 x 6               | GT5PM-NRS07660           | 5.98                       | 11.26                 | 34.03        |
|                                | M80 x 6               | GT5PM-NRS08060           | 6.38                       | 11.54                 | 32.01        |
|                                | 2 $\frac{1}{2}$ " 8UN | GT5P-NRS2500U08          | 5.67                       | 10.79                 | 39.16        |
|                                | 2 $\frac{3}{4}$ " 8UN | GT5P-NRS2750U08          | 5.87                       | 11.10                 | 35.84        |
|                                | 3" 8UN                | GT5P-NRS3000U08          | 5.98                       | 11.26                 | 32.45        |
|                                | 3 $\frac{1}{4}$ " 8UN | GT5P-NRS3250U08          | 6.38                       | 11.54                 | 28.86        |
| GT6-LCB                        | M80 x 6               | GT6PM-NRS08060           | 6.65                       | 12.28                 | 49.02        |
|                                | M85 x 6               | GT6PM-NRS08560           | 6.65                       | 12.28                 | 46.20        |
|                                | M90 x 6               | GT6PM-NRS09060           | 7.01                       | 12.48                 | 42.57        |
|                                | M95 x 6               | GT6PM-NRS09560           | 7.13                       | 12.68                 | 39.69        |
|                                | 3 $\frac{1}{4}$ " 8UN | GT6P-NRS3250U08          | 6.65                       | 12.28                 | 45.56        |
|                                | 3 $\frac{1}{2}$ " 8UN | GT6P-NRS3500U08          | 7.01                       | 12.48                 | 41.43        |
|                                | 3 $\frac{3}{4}$ " 8UN | GT6P-NRS3750U08          | 7.13                       | 12.68                 | 36.94        |

## GT Series



Bolt Range:  
 **$\frac{5}{8}$ " -  $3\frac{3}{4}$ " | M16-M95**

Load:  
**0-319.8 tons**

Maximum Operating Pressure  
**21,750 psi**



### How to Order

To provide maximum flexibility Load Cell and Bridges are ordered separately from Adaptor Kits.

Example, to order a complete tensioner for a 1" threaded bolt order:

1 x Load Cell and Bridge: **GT1-LCB**

1 x Adaptor Kit: **GT1P-NRS1000U08**



### Bolting Integrity Software

A comprehensive on-line software solution for Bolted Joint integrity.

Integral databases hold data for:

- BS1560, MSS SP44, API 6A and 17D flanged joints
- Common gasket materials and configurations
- Comprehensive range of bolt materials
- Comprehensive range of lubricants
- Enerpac's Controlled Bolting Equipment including: Torque Multipliers, Hydraulic Wrenches and Bolt Tensioning tools

Custom Joint information can also be entered.

The software offers Tool selection, Bolt Load calculations and Tool pressure settings, as well as, a combined Application data sheet and Joint completion report.

[www.enerpac.com](http://www.enerpac.com)

▼ Shown: HPT-1500



## HPT Series

Reservoir Capacity:

**155 in<sup>3</sup>**

Flow at 10,000 psi:

**.037-.99 in<sup>3</sup>/stroke**

Maximum Operating Pressure:

**21,750 psi (1500 bar)**



### Applications

The Enerpac HPT high-pressure Hand Pump is ideally suited for use with hydraulic bolt tensioning tools and hydraulic nuts.

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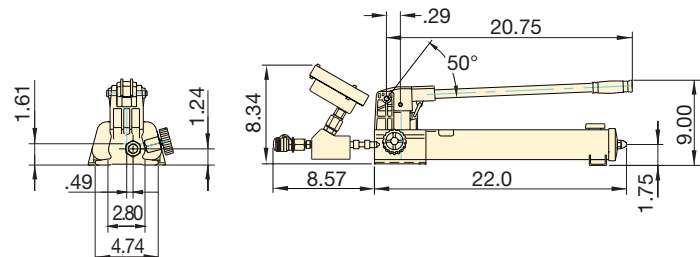


### Ultra High Pressure

These products operate at ultra-high pressure, use only the specified fittings and hoses designed for these pressures.

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- Lightweight and portable high-pressure hand pump
- Two-speed operation displaces a larger volume of oil per stroke, reducing cycle times for many testing applications
- Includes a gauge and coupler for direct connection to GT-Series bolting tools
- Integrated relief valve set at 21,750 psi



### ▼ 21,750 PSI ULTRA HIGH PRESSURE PUMP

| Model Number    | Description                        | Usable Oil Capacity<br>(in <sup>3</sup> ) | Oil Displacement per Stroke<br>(in <sup>3</sup> ) |                       | Pressure Rating<br>(psi) |                       | Weight<br>(lbs) |
|-----------------|------------------------------------|---|---|-----------------------|--------------------------|-----------------------|-----------------|
|                 |                                    |   | 1 <sup>st</sup> stage                             | 2 <sup>nd</sup> stage | 1 <sup>st</sup> stage    | 2 <sup>nd</sup> stage |                 |
| <b>HPT-1500</b> | High Pressure Hand Pump with Gauge | 155                                       | .99   | 0.037                 | 200                      | 21,750                | 19              |

# ZUTP-Series, Electric Tensioning Pump

▼ Shown: ZUTP-1500B



## ZUTP Series

Reservoir Capacity:

**1 gallon**

Flow at Rated Pressure:

**20.0 in<sup>3</sup>/min.**

Maximum Operating Pressure:

**21,750 psi**

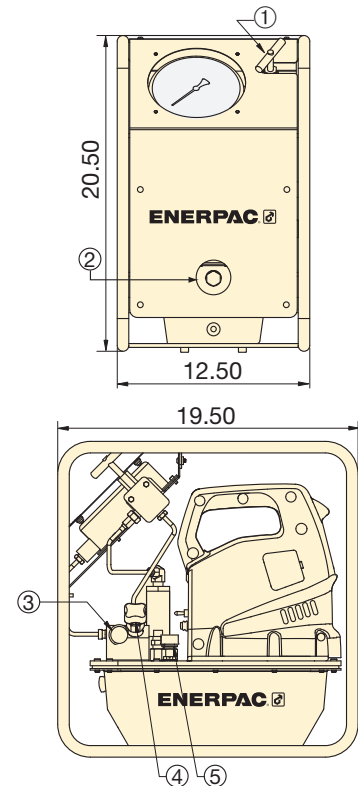


### Ultra High Pressure

These products operate at ultra-high pressure, use only the specified fittings and hoses designed for these pressures.

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- High efficiency Universal Motor draws lower amps for superior performance in remote locations with low power quality
- Two-stage pump design provides high flow at low pressure for fast system fills and controlled flow at high pressure for safe and accurate operation
- Compact and lightweight design fits through tight openings and provides easy handling
- Panel mounted 6" pressure gauge, with polycarbonate cover, is set into the protective metal shroud for improved visibility and safety
- Panel mounted user adjustable valve for safe and precise pressure control
- Safety relief valve limits output pressure



- ① Release Valve
- ② Sight Glass
- ③ 1/4" BSPM Outlet Port
- ④ User Adjustable Pressure Control Valve
- ⑤ Breather

### 21,750 PSI HIGH PRESSURE PUMP

| Pump Type     | Useable Oil Capacity (gal) | Valve Type | Model Number <sup>1)</sup> | Output Flow Rate at 0 psi (in <sup>3</sup> /min) | Output Flow Rate at 21,750 psi (in <sup>3</sup> /min) | Motor Electrical Specification | Sound Level (dBA) | Weight with oil (lbs) |
|---------------|----------------------------|------------|----------------------------|--|---|--------------------------------|-------------------|-----------------------|
| High pressure | 1.0                        | Manual     | ZUTP-1500B                 | 230  | 20  | 115 VAC, 1-ph                  | 89                | 65                    |
|               |                            |            | ZUTP-1500E <sup>2)</sup>   |  |   | 230 VAC, 1-ph                  |                   |                       |
|               |                            |            | ZUTP-1500I <sup>3)</sup>   |  |   | 230 VAC, 1-ph                  |                   |                       |

<sup>1)</sup> All models meet CE safety requirements and all TÜV requirements.

<sup>2)</sup> European plug and CE EMC directive compliant.

<sup>3)</sup> With NEMA 6-15 plug.

<sup>4)</sup> Add suffix "H" for factory installation of Heat Exchanger.



# ATP-Series Ultra High Pressure Air Pump

**ENERPAC**   
POWERFUL SOLUTIONS. GLOBAL FORCE.

▼ Shown: **ATP-1500**



**ATP  
Series**



IBExU 070/10



Reservoir Capacity:

**1.0 gallon**

Flow at Rated Pressure:

**4 in<sup>3</sup>/min.**

Maximum Operating Pressure:

**21,750 psi**

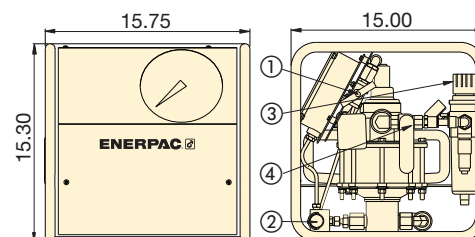
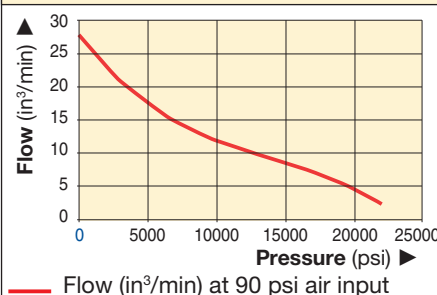


These products operate at ultra-high pressure, use only the specified fittings and hoses designed for these pressures.









- General purpose, high pressure air driven pump unit for products requiring up to 21,750 psi hydraulic pressure
- Compact, lightweight, rugged steel frame for protection and easy handling
- Prelubricated pump element, does not require an airline lubricator
- Easily adjustable output pressure control
- Integrated and protected easy to read glycerin filled gauge
- Safety relief valve limits output pressure
- ATEX Certified

The ATP-series pump was tested and certified according to the Equipment Directive 94 / 9 / EC "ATEX Directive". The explosion protection is for equipment group II, equipment category 2 (hazardous area zone 1), in gas and/or dust atmospheres. The ATP-series pump is marked with: Ex II 2 GD ck T4.

**OIL FLOW vs. PRESSURE**



- ① HPT Shut-off Valve
- ② 1/4" BSPP HPT Out Port
- ③ Filter/Regulator
- ④ Air On/Off Valve

| Model Number | Hoses   | End 1              | End 2              | Length (ft) | Description                               | Fittings   | Complete Set | Female Half | Male Half |
|--------------|---|--------------------|--------------------|-------------|---|--|--------------|-------------|-----------|
| HT-1503      |  | 1/4 BSPP 120° Cone | 1/4 BSPP 120° Cone | 3.28        | Quick Disconnect Coupler*                 |  | B150         | BR150       | BH150     |
| HT-1510      |  | 1/4 BSPP 120° Cone | 1/4 BSPP 120° Cone | 9.84        | Quick Disconnect Coupler and Adaptor Kit* |  | BW150AW      | —           | —         |
| HT-1503HR*   |  | BH150              | BR150              | 3.28        |   |  |              |             |           |
| HT-1510HR*   |  | BH150              | BR150              | 9.84        | Quick Disconnect Blanking Coupler Set*    |  | B150B        | —           | —         |

\* Includes dust caps

\* Includes dust caps

| Pump Type     | Useable Oil Capacity (gal) | Model Number | Pressure Rating (psi) | Output Flow Rate at 0 psi (in <sup>3</sup> /min) | Output Flow Rate at 21,750 psi (in <sup>3</sup> /min) | Air Pressure Range (psi) | Air Consumption (sfcm) | Sound Level (dBA) | Weight (lbs) |
|---------------|----------------------------|--------------|-----------------------|--|---|--------------------------|------------------------|-------------------|--------------|
| High pressure | 1.0                        | ATP-1500     | 21,750                | 26   | 4   | 80-90                    | 70                     | 70                | 65           |