

ZA4T-Series, Air Driven Torque Wrench Pumps **ENERPAC**

▼ ZA4204TX-QR



- Fine air pressure adjustment for very accurate torque control
- High bypass pressure (200 bar) for faster torque cycles
- Improved wrench performance at low pressure
- Two-speed operation and high by-pass pressure reduces cycle time for improved productivity
- Glycerin filled pressure gauge with transparent overlays in Nm and Ft.lbs for Enerpac torque wrenches provide a quick torque reference
- Standard Regulator-Filter-Lubricator with removable bowls and auto drain
- Heat exchanger warms exhaust air to prevent freezing and cools the oil
- Ergonomic pendant allows remote operation up to 6 m.



Z Tough, Dependable Innovative CLASS



Torque Wrench Hoses

Use Enerpac twin safety hoses to connect your torque wrench to the pump.

For 700 bar	Model-Nr.
2 m long, 2 hoses	THQ-702T
6 m long, 2 hoses	THQ-706T
12 m long, 2 hoses	THQ-712T



Gauge with Overlay Kit

Gauge Overlay Kits are available separately for use with ZA4T-Series pumps:

GT-4015Q includes gauge and overlays for all S-, W and RSL-Series torque wrenches.



Torque Wrench Pump Selection Matrix

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

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◀ Most hydraulic torque wrenches can be powered by the Enerpac ZA4T-Series torque wrench pump.

Air Driven Torque Wrench Pumps



ZA4T-Series Pump Applications

The ZA4T-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.

All ZA4T-Series pump models meet CE, CSA and TÜV safety requirements. For further application assistance contact your local Enerpac office.

ATEX 95 Certified

The ZA4T-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 ZA4T-Series pumps are marked with: **Ex II 2 GD ck T4**.



ZA4T Series



Reservoir Capacity:

4,0 - 8,0 litres

Flow at Rated Pressure:

0,8 l/min

Air Consumption:

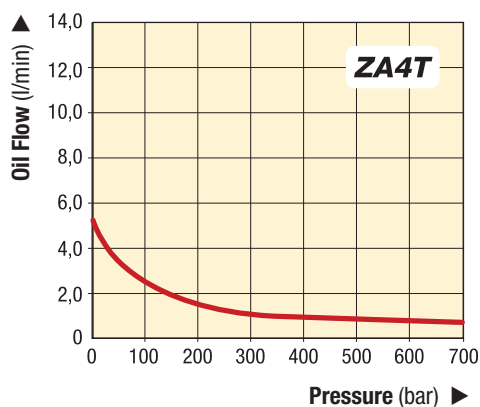
600 - 2840 l/min

Maximum Operating Pressure:

700 bar

OIL FLOW VERSUS PRESSURE

6,9 bar dynamic air pressure at 2840 l/min



Accessory Options

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

- K** = Skid bar
- M** = 4-wrench manifold
- R** = Roll cage.

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▼ ZA4208TX-QR for improved wrench performance and torque control at low pressure.



COMMON PUMP MODELS

For Use With Torque Wrenches	Maximum Operating Pressure (bar)	Model Number	Usable Oil Capacity (litres)	Weight (kg)
all S, W and RSL-Series	700	ZA4204TX-Q	2,7	42
	700	ZA4208TX-Q	6,6	47
	700	ZA4204TX-QR *	2,7	46
	700	ZA4208TX-QR *	6,6	51

* With Roll Cage.



Skid Bar

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



4-Wrench Manifold

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



Roll Cage

- Protects pump
- Provides greater pump stability.

Accessory Kit * Model Nr.	Can be used on ZA4T-Series torque wrench pumps
SBZ-4	Reservoir 04 and 08

* Add suffix **K** for factory installation.
Weight skid bar 2,2 kg.
Ordering Example: ZA4208TX-QK

Accessory Kit * Model Nr.	Can be used on ZA4T-Series torque wrench pumps
ZTM-Q	for 700 bar torque wrenches

* Add suffix **M** for factory installation.
Weight manifold 4,5 kg.
Ordering Example: ZA4208TX-QM

Accessory Kit * Model Nr.	Can be used on ZA4T-Series torque wrench pumps
ZRC-04	Reservoir 04 and 08

* Add suffix **R** for factory installation.
Roll cage weight 3,4 kg.
Ordering Example: ZA4208TX-QR



700 bar Spin-on Couplers

- Mounted on:
 - Torque wrench pumps with suffix "Q"
 - RSL, S and W-Series wrenches
 - THQ-Series hoses
 - 4-Wrench manifold ZTM-Q.



Torque Wrench Hoses

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2 m long, 2 hoses	THQ-702T
6 m long, 2 hoses	THQ-706T
12 m long, 2 hoses	THQ-712T



Torque Wrench Couplers

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

Ordering Matrix and Specifications

▼ This is how a ZA4T-Series pump model number is built up:

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

1 Product Type

Z = Pump series

2 Motor Type

A = Air motor

3 Flow Group

4 = 0,8 l/min @ 700 bar

4 Valve Type

2 = Torque Wrench Valve

5 Reservoir Size

(useable capacity)

04 = 2,7 litres

08 = 6,6 litres

6 Valve Operation

T = Air operated valve with pendant

7 Voltage

X = Not applicable

8 Options

Q = 700 bar couplers for use with S, W and RSL-Series or other wrenches

K = Skid bar

M = 4-wrench manifold

R = Roll cage

ZA4T Series



Reservoir Capacity:

4,0 - 8,0 litres

Flow at Rated Pressure:

0,8 l/min

Air Consumption:

600 - 2840 l/min

Maximum Operating Pressure:

700 bar



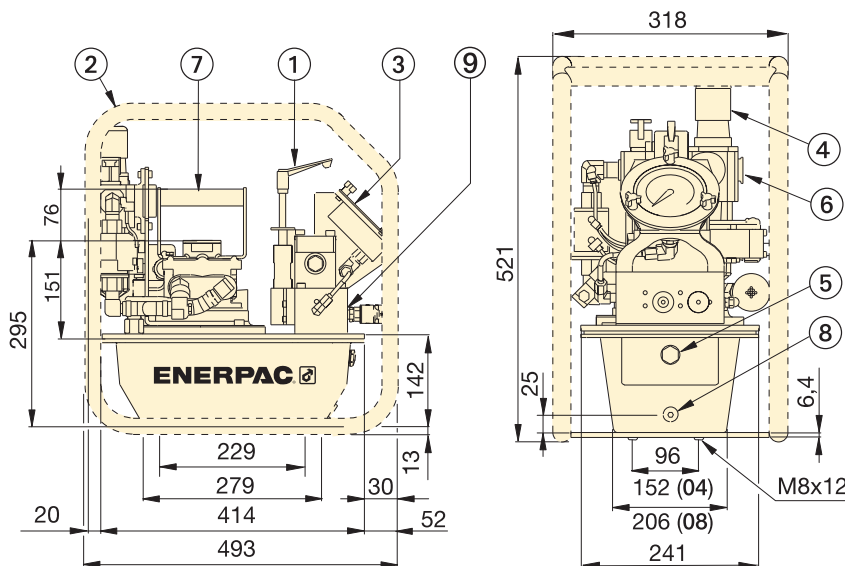
How to order your ZA4T-Series torque wrench pump

Model No. ZA4208TX-QMR

700 bar pump for use with Enerpac S-, W- and RSL-Series and other 700 bar torque wrenches, 8 litres reservoir, 4-wrench manifold, and roll cage.

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

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- ① User adjustable relief valve
- ② Roll 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

ZA4T-Series Performance					Dynamic Air Pressure Range (bar)	Air Consumption (l/min)	Sound Level (dBA)	Relief Valve Adjustment Range (bar)
Output Flow Rate (l/min)								
7 bar	50 bar	350 bar	700 bar					
5,4	4,8	1,1	0,8	7,0	600 - 2840	85-90	124-700	

▼ Most hydraulic torque wrenches can be powered by the Enerpac ZA4T-Series torque wrench pump.

