ZA4T, Air Driven Torque Wrench Pumps

ENERPAC
POWERFUL SOLUTIONS. GLOBAL FORCE.

▼ **ZA4204TX-ER**



Z Tough, Dependable Innovative CLASS

- **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**
- **Regulator-Filter-Lubricator with removable bowls and auto drain is standard**
- **Heat exchanger warms exhaust air to prevent freezing and cools the oil**
- **Ergonomic pendant allows remote operation up to 6 m.**



Torque Wrench Hoses

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

For 700 bar	Model Nr.
6 m long, 2 hoses	THQ-706T
12 m long, 2 hoses	THQ-712T
For 800 bar	
6 m long, 2 hoses	THC-7062
12 m long, 2 hoses	THC-7122



Gauge Overlay Kit

Available separately for use with ZA4T-Series pumps:
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 ZA4T-Series torque wrench pump.*

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.

Ex II 2 GD ck T4
KEMA 0602

ZA4T Series



Reservoir Capacity:
4,0 and 6,6 litres

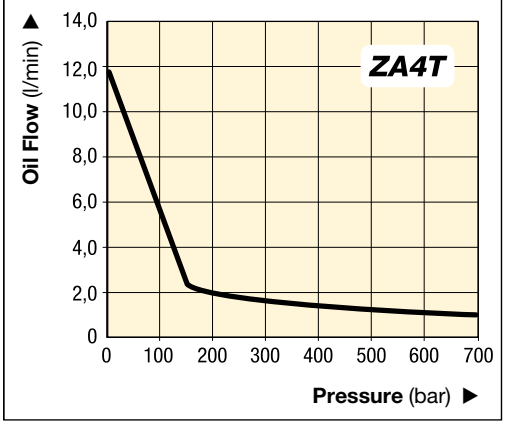
Flow at Rated Pressure:
1,0 l/min

Air Consumption:
600 - 2840 l/min

Maximum Operating Pressure:
700 and 800 bar

OIL FLOW VERSUS PRESSURE

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





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

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▼ COMMON PUMP MODELS

For Use With Torque Wrenches		Maximum Operating Pressure (bar)	Model Number	Usable Oil Capacity (litres)	(kg)
S1500 S3000 S6000 S11000 S25000	W2000 W4000 W8000 W15000	**700**	**ZA4204TX-Q**	4,0	42
		700	**ZA4208TX-Q**	6,6	47
		700	**ZA4204TX-QR**	4,0	46
		700	**ZA4208TX-QR**	6,6	51
SQD-75-I SQD-100-I SQD-160-I SQD-270-I	HXD-120 HXD-240	**800**	**ZA4204TX-E**	4,0	42
		800	**ZA4208TX-E**	6,6	47
		800	**ZA4204TX-ER**	4,0	46
		800	**ZA4208TX-ER**	6,6	51

ZA4T-Series, Pump Options



Skid Bar

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

Accessory Kit * Model Nr.	Can be used on ZA4T-Series torque wrench pumps
SBZ-4	4,0 and 6,6 litres reservoir

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



4-Wrench Manifold

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

Accessory Kit * Model Nr.	Can be used on ZA4T-Series torque wrench pumps
ZTM-E	for 800 bar torque wrenches
ZTM-Q	for 700 bar torque wrenches

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



Roll Cage

- **Protects pump**
- **Provides greater pump stability**

Accessory Kit * Model Nr.	Can be used on ZA4T-Series torque wrench pumps
ZRC-04	4,0 and 6,6 litres reservoir

* 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"**
  - **S and W-Series wrenches**
  - **THQ-Series hoses**
  - **4-Wrench manifold ZTM-Q.**



800 bar Lock-ring Couplers

- **Mounted on:**
  - **Torque wrench pumps with suffix "E"**
  - **HXD and SQD-Series wrenches**
  - **THC-Series hoses**
  - **4-Wrench manifold ZTM-E.**



Torque Wrench Hoses

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For 700 bar	Model Nr.
6 m long, 2 hoses	**THQ-706T**
12 m long, 2 hoses	**THQ-712T**
For 800 bar	
6 m long, 2 hoses	**THC-7062**
12 m long, 2 hoses	**THC-7122**



Torque Wrench Couplers

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

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ZA4T-Series, 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 E or Q	8 Options	8 Options

1 Product Type
Z = Pump series

2 Motor Type
A = Air motor

3 Flow Group
4 = 1,0 l/min @ 700 bar

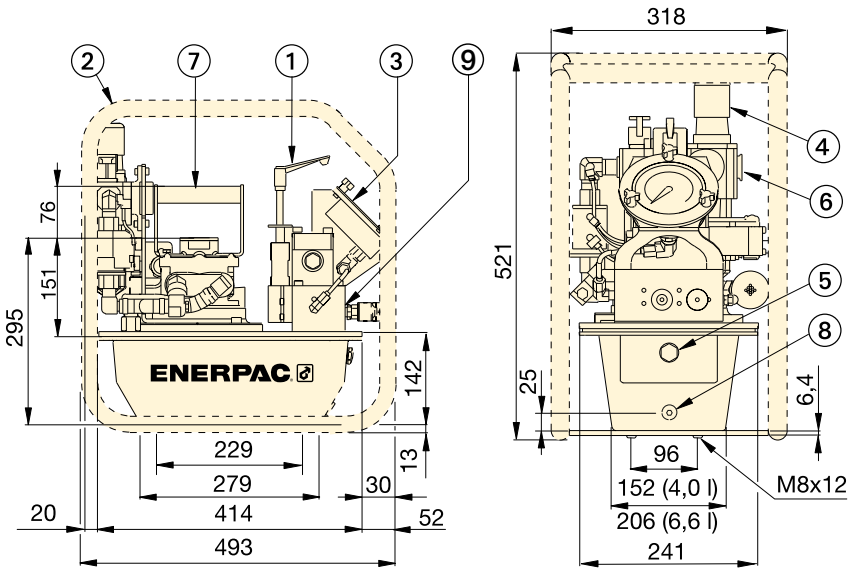
4 Valve Type
2 = Torque Wrench Valve

5 Reservoir Size
(useable capacity)
04 = 4,0 litres
08 = 6,6 litres

6 Valve Operation
T = Air operated valve with pendant

7 Voltage
X = Not applicable

8 Options
E = **800 bar couplers** for use with HXD and SQD-Series or other wrenches
Q = **700 bar couplers** for use with S and W-Series or other wrenches
K = Skid bar
M = 4-wrench manifold
R = Roll cage



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							
Output Flow Rate (l/min)				Dynamic Air Pressure Range	Air Consumption	Sound Level	Relief Valve Adjustment Range
7 bar	50 bar	350 bar	700 bar	(bar)	(l/min)	(dBA)	(bar)
11,5	8,8	1,2	1,0	4,0 - 6,9	600 - 2840	85-90	124-700 *

* Pump type (-Q) shown, (-E) range is 124-800 bar.

ZA4T Series



Reservoir Capacity:
4,0 and 6,6 litres

Flow at Rated Pressure:
1,0 l/min

Air Consumption:
600 - 2840 l/min

Maximum Operating Pressure:
700 and 800 bar

How to order your ZA4T-Series torque wrench pump

Model No. ZA4208TX-QMR

700 bar pump for use with Enerpac S- and W-Series and other 700 bar torque wrenches, 6,6 litres reservoir, 4-wrench manifold, and roll cage.

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

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

