

Black Tower – Tension

Single pressure for hydraulic bolt tensioning

The Black Tower – Tension series is a strong and reliable hydraulic pump unit for heavy duty tasks.

Supplied as variants:

- Various electrical power supply
- Single pressure up to 1500 bar
- With or without pressure transmitter and LED in remote control

Ideal for heavy duty hydraulic bolt tensioning in industrial assembly lines, windmill foundations and power plant installations.





Technical specifications:

The Black Tower - Tension series is a compact, strong and heavy duty unit, which is easy to handle. This unit is most often used for demanding installation jobs in global work sites.

It is built in a robust and optimized lifting frame with wheels and a retractable handle for easy local transportation.

The power pack has 1 adjustable oil pressure range – 0-1500 bar.

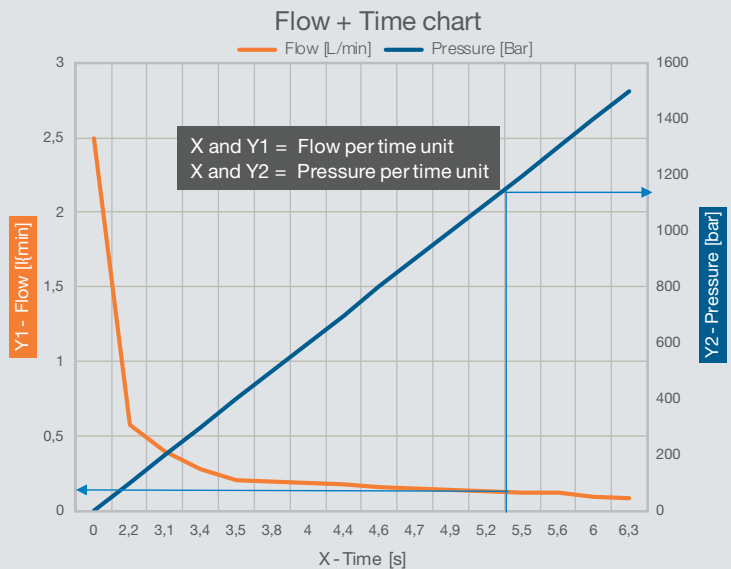
Black Tower - Tension: Technical features

Maximum Pressure	Electrical Voltage	Electrical frequency	Max Electrical current	Dimensions W x D x H	Weight no oil	Max. Flow low pressure	Usable Oil volume	Oil tank volumen
[bar]	[V]	[Hz]	[A]	[mm]	[Kg]	[L/min]	[L]	[L]
1 x 1500	1 x 120	50/60 Hz	18.5	333 x 435 x 577	45	2.5	5	7
	1 x 230		8.5					
	3 x 400		4					
	3 x 690		4					

Highlighted features:

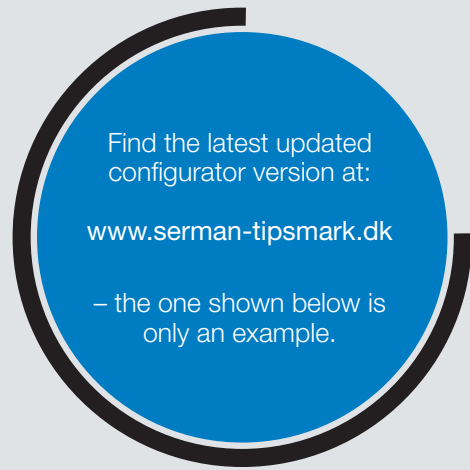
- Operational in a wide range of temperatures
- Low noise level
- Cabled remote control for easy operation
- Ideal for heavy duty purposes
- On wheels for easy handling
- Approved frame for safe lifting with retractable handle

Disclaimer:
 Values are approximate and only shown for illustration of how the pump works with a 2 meter ¼" hose and closed valve attached. Depending on size and quantity of toolings, pump behavior will deviate from the shown curves.



The power pack can be configured to suit your requirements, and thereby optimize the scope of supply and consequently the price. Our configurator enables you to match:

- Design type of power pack
- Hydraulic pressure
- Electrical voltage and frequency
- Cable length
- Control input
- Type of pressure gauge – with or without 5 point pressure gauge calibration certificate



High Pressure Power Pack Configurator

-----Item Description-----

PPT - 1500 - 120 - 0 - SC - 5

DESIGN - Type

Portable Powerpack - Tension	PPT
Black Tower - Tension	BTT
Black Tower - Injection	BTI

Pressure [BAR]

Single operation pressure variable up to 1500 bar (PPT and BTT only)	1500
Single operation pressure variable up to 2500 bar (PPT and BTT only)	2500
Dual operation pressure variable up to 1500 + 700 bar (PPT only)	1507
Dual operation pressure variable 2500 + 700 bar (PPT only)	2507
Dual operation pressure variable 3000 + 3000 bar (BTI only)	3030
Dual operation pressure variable 4000 + 450 bar (BTI only)	4004

Electrical voltage [V]

1 x 120 V AC (50-60 Hz) (PPT and BTT only)	120
1 x 230 V AC (50-60 Hz) (PPT and BTT only)	230
3 x 400 V AC (50-60 Hz) (BTT and BTI only)	400
3 x 690 V AC (50-60 Hz) (BTT and BTI only)	690

Cable length [m]

3	3 metres
5	5 metres (BTT and BTI only)
10	10 metres (BTT and BTI only)

Pressure Gauge

S	Standard 1 % precision pressure Gauge
SC	Standard 1 % precision pressure Gauge - Calibrated with cert.
D	Digital pressure Gauge (incl. Pressure transmitter) (PPT only)
DC	Digital pressure Gauge - Calibrated with cert. (incl. Pressure transmitter) (PPT only)

Control input

0	No remote controller (BTI only)
1	Cabled remote controller
2	Cabled remote controller with LED (Pressure transmitter) (BTT only)
4	Wireless remote controller



COMPLICATED?
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Maltvej 12-14 · 9700 Brønderslev
Tel. +45 70 10 09 11 · Denmark

www.serman-tipsmark.com