

# Ultra High Pressure Power Pack units for torque tensioning



Single pressure and  
dual pressure series

# Black Tower Injection Series



## Dual pressure - Power Pack - Black Tower hydraulic injection

### Hydraulic couplings

The Black Tower – Injection is a heavy duty pump unit designed to provide both high pressure and high flow at the same time.

It is ideal for bigger hydraulic couplings. Most often used in Marine and Wind applications for shaft assembly jobs where safe operation is a must.

Ideal for oil injection into bigger couplings for heavy machine parts, e.g. propeller shafts, rudder stocks, etc. The unit has two separate oil injectors, allowing both floating pressure and back pressure at the same time.

### This unit has the following highlighted features:

- 1x4000+1x450 bar
- Operational in a wide range of temperatures and pressures
- Low noise level
- Approved frame for lifting
- 3x400/3x690 Volt
- Ideal for heavy-duty operations.
- On wheels for easy handling
- Easy handled machine with retractable handle
- Precise operation with manually controlled valves.



## BLACK TOWER – INJECTION: FOR HYDRAULIC INJECTION FOR COUPLINGS

PS no. 100274 073

|                                       |                 |       |
|---------------------------------------|-----------------|-------|
| <b>Model</b>                          | <b>4000</b>     |       |
| <b>Max pressure</b>                   | 1x4000 + 1x450  | [bar] |
| <b>Electrical voltage</b>             | 3x400 / 3x690   | [V]   |
| <b>Electrical frequency</b>           | 50/60           | [Hz]  |
| <b>Max electrical current</b>         | 6 / 5.4         | [A]   |
| <b>Electric engine power</b>          | 3               | [kW]  |
| <b>0 = No remote</b>                  | 0               | -     |
| <b>Outer dimensions<br/>D x W x H</b> | 466 x 333 x 785 | [mm]  |
| <b>Weight (no oil)</b>                | 60              | [kg]  |
| <b>Usable oil volume</b>              | 12              | [l]   |
| <b>Tank volume</b>                    | 14              | [l]   |

Were you looking for another type of high pressure power pack? Take a look at Serman & Tipsmark's [Portable Power Pack - Tension series](#) or our [Black Tower - Tension](#).



# Black Tower Tension Series



## Single pressure series

### Hydraulic bolt tensioning

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

Used worldwide for bigger hydraulic bolt tensioning jobs in larger wind turbine foundations and power plant installations.

### This unit has the following highlighted features:

- 1500 bar continuous load
- Operational in a wide range of temperatures
- Low noise level
- Cabled remote control for easy operation
- 230 Volt
- On wheels for easy handling
- Approved frame for lifting
- Sized to fit most manholes
- Retractable handle



## BLACK TOWER – TENSION: MOBILE PUMP UNIT FOR HYDRAULIC BOLT TENSIONING

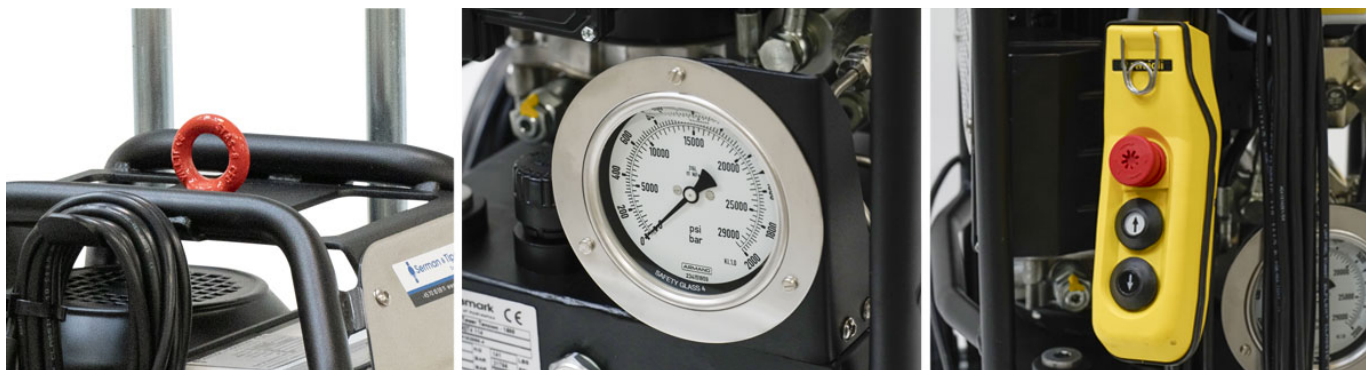
PS. no. 100274 114

|                                       |                 |       |
|---------------------------------------|-----------------|-------|
| <b>Model</b>                          | <b>1500-0</b>   |       |
| <b>Max pressure</b>                   | 1x1500          | [bar] |
| <b>Electrical voltage supply</b>      | 1x230           | [V]   |
| <b>Working frequency</b>              | 50 or 60        | [Hz]  |
| <b>Max electrical current</b>         | 8,5             | [A]   |
| <b>Electrical motor power</b>         | 1.5/1.8         | [kW]  |
| <b>Cabled remote</b>                  |                 | -     |
| <b>Outer dimensions<br/>D x W x H</b> | 333 x 435 x 577 | [mm]  |
| <b>Weight (no oil)</b>                | 45              | [kg]  |
| <b>Usable oil volume</b>              | 5               | [l]   |
| <b>Oil tank volume</b>                | 7               | [l]   |

## BLACK TOWER - TENSION (OPTIONAL) – CALIBRATED MANOMETER

| <b>Product name</b>         | <b>Name<br/>Extension</b> | <b>Description</b>  | <b>Max pressure</b> | <b>Outer dimensions</b> |
|-----------------------------|---------------------------|---------------------|---------------------|-------------------------|
| <b>Ordering information</b> |                           |                     | <b>[bar]</b>        | <b>[mm]</b>             |
| Calibrated<br>manometer     | - CM                      | 5 point calibration | 2000                | Ø100 display            |

Were you looking for another type of power pack? Take a look at our [Portable Power Pack - Tension series](#) or our [Black Tower - Injection](#).



# Portable Power Pack Tension Series



## Single pressure - Portable Power Pack Tension series

### Hydraulic bolt tension

The Portable Power Pack – Tension series is a compact and reliable hydraulic pump unit.

It is very easy to operate, and is built in a sturdy flight case - suitable for transportation. Ideal for onsite hydraulic bolt tensioning service jobs and smaller installation jobs where focus is on having a easy transportable powerpack.

This unit has the following highlighted features:

- Up to 1500 or 2500 bar continuous load
- Operational in a wide range of temperatures and pressures
- Low noise level
- Cabled remote control for easy operation
- 120/230 Volt
- Ideal for service purposes
- Light and handy machine with retractable handle



# PORTABLE POWER PACK – TENSION SERIES: FOR HYDRAULIC BOLT TENSIONING

| PS no.                        | 100274 132      | 100274 134      | 100274 136      |       |
|-------------------------------|-----------------|-----------------|-----------------|-------|
| Model                         | 1500-0          | 1500-1          | 2500-0          |       |
| Max pressure                  | 1x1500          | 1x1500          | 1x2500          | [bar] |
| Electrical voltage supply     | 1x230           | 1x110           | 1x230           | [V]   |
| Working frequency             | 50/60           | 50/60           | 50/60           | [Hz]  |
| Max electrical current        | 3.5             | 5.4             | 3.5             | [A]   |
| Electrical motor power        | 0.55/0.66       | 0.55/0.66       | 0.55/0.66       | [kW]  |
| Cabled remote                 | 2               | 2               | 2               | [M]   |
| Outer dimensions<br>D x W x H | 247 x 347 x 546 | 247 x 347 x 546 | 247 x 347 x 546 | [mm]  |
| Weight (no oil)               | 30              | 30              | 30              | [kg]  |
| Usable oil volume             | 1               | 1               | 1               | [l]   |
| Oil tank volume               | 1.5             | 1.5             | 1.5             | [l]   |

# PORTABLE POWER PACK -TENSION (OPTIONAL) – CALIBRATED MANOMETER

| Product name            | Name<br>Extension | Description         | Max pressure | Outer dimensions |
|-------------------------|-------------------|---------------------|--------------|------------------|
| Ordering information    |                   |                     | [bar]        | [mm]             |
| Calibrated<br>manometer | - CM              | 5 point calibration | 2000/4000    | Ø100 display     |

Looking for another type of high pressure power pack? Take a look at Serman & Tipsmark's [Black Tower - Tension](#) or our [Black Tower - Injection](#).



# Heavy Duty Power Pack Tension Series



## Heavy Duty Power Packs Tension series

### Hydraulic bolt tensioning

The Heavy Duty Power Pack -Tension series is a strong and reliable hydraulic pump unit for heavy duty bolt tensioning.

Used worldwide for larger hydraulic tensioning jobs in wind turbine foundations, pipe joints and power/heat plants. The unit has 1 adjustable oil pressure range - 0-1500 bar.

Used for industrial assembly or onsite jobs where reliability is a priority.

### The power pack has the following features:

- Operational in a wide temperature range
- Very low noise level
- Wired remote control for easy operation
- Precise operation with manually controlled valves



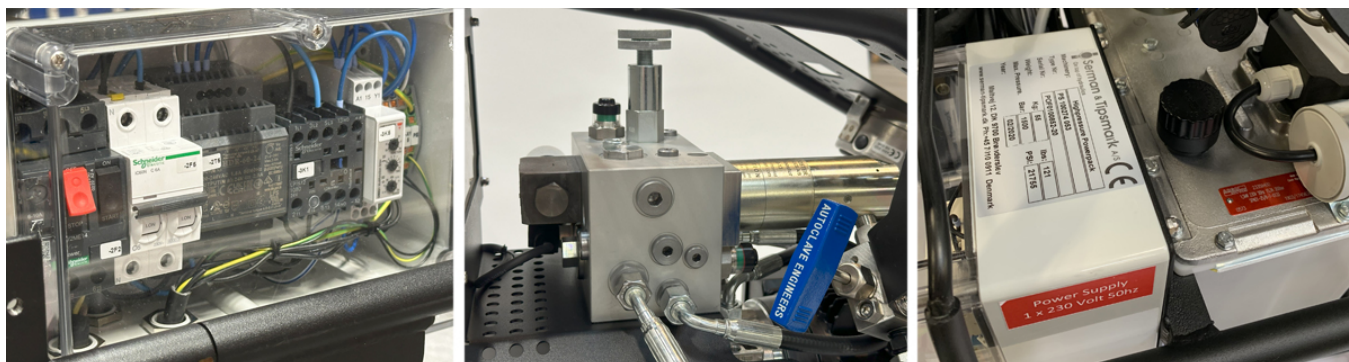
## HEAVY DUTY POWER PACK TENSION SERIES

| PS no.                        | 100274 053      | 100274 079      | 100274 148      | 100274 149      | 100274 150      |       |
|-------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|
| Model                         | <b>1500</b>     | <b>1500</b>     | <b>1500</b>     | <b>2500</b>     | <b>2500</b>     |       |
| Max pressure                  | 1x1500          | 1x1500          | 1x1500          | 1x2500          | 1x2500          | [bar] |
| Electrical voltage supply     | 1x230           | 1x230           | 1x110           | 1x230           | 1x400           | [V]   |
| Working frequency             | 50/60           | 50/60           | 50/60           | 50/60           | 50/60           | [Hz]  |
| Max electrical current        | 15,9            | 9,4             | 16,8            | 8,5             | 3,6             | [A]   |
| Electrical motor power        | 1,5/1,8         | 1,5/1,8         | 1,5/1,8         | 1,5/1,8         | 1,5/1,8         | [kW]  |
| Cabled remote                 | 2               | 2               | 2               | 2               | 2               | [M]   |
| Outer dimensions<br>D x W x H | 502 x 365 x 470 | 700 x 367 x 462 | 700 x 367 x 462 | 700 x 367 x 462 | 700 x 367 x 462 | [mm]  |
| Weight (no oil)               | 45              | 45              | 45              | 45              | 45              | [kg]  |
| Usable oil volume             | 4,5             | 3               | 3               | 3               | 3               | [l]   |
| Oil tank volume               | 7               | 5               | 5               | 5               | 5               | [l]   |

## HEAVY DUTY POWER PACK -TENSION (OPTIONAL) – CALIBRATED MANOMETER

| Product name            | Name<br>Extension | Description         | Max pressure | Outer dimensions |
|-------------------------|-------------------|---------------------|--------------|------------------|
| Ordering information    |                   |                     | [bar]        | [mm]             |
| Calibrated<br>manometer | - CM              | 5 point calibration | 2000/3500    | Ø100 display     |

Looking for another type of high pressure power pack? Take a look at Serman & Tipsmark's [Black Tower - Tension](#), [Black Tower - Injection](#) or [Portable Power Pack- Tension](#)



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