

▼ ETR50H, Enerpac Trolley System (shown with Trolley Track Plates)



- High transport speed:  
25 - 50 m/hour loaded,  
100 m/hour unloaded
- Suited for repetitive movements
- Runs on simple flat steel plate
- Ease of maintenance:  
– long maintenance intervals  
– no consumables
- Clean usage – electric driven
- Built-in synchronization – no need for forced external mechanical connection to synchronize movements
- Easy transport - compact design
- Hydraulic lifting cylinder option available
- Kits to accommodate other lifting options also available.

▼ The trolley system speeds up offshore wind transition piece load out: the transition pieces are positioned in the clamping frames and moved along the track.



▼ ETR-Series electric trolley undergoing factory acceptance testing prior to shipment.



## Safe & Synchronized Travel



### Product Overview

The ETR-Series Trolley System is comprised of electrically-driven trolleys which can carry heavy loads along a fixed track system.

The entire system is controlled by a hand held wireless control system.

A typical system is comprised of 4 Trolleys, 2 Tracks and one Controller. Trolley Tracks and Wireless Control must be ordered separately.




### Control Panel and Cables

Operate up to 8 trolleys (same capacity each) using control panel with included wireless controller:

- Automatic synchronization of traveling with an accuracy of 10 mm (0.39 inch)
- Dual-band radio with automatic frequency search
- Wireless remote operation
- High and low speed settings
- Emergency stop switch
- Control cables operate trolley and provide feedback to controller.

### Control Panel

| Model Number<br>(380-415 VAC, 32A) | Dimensions<br>(mm) |     |      | <br>(kg) |
|------------------------------------|--------------------|-----|------|---|
|                                    | L                  | W   | H    |   |
| <b>ETR-CPW8</b>                    | 1290               | 600 | 1100 | 250   |

### Control Cables

| Model Number      | Description             |
|-------------------|-------------------------|
| <b>ETR-CBL-15</b> | 15 metres control cable |
| <b>ETR-CBL-25</b> | 25 metres control cable |



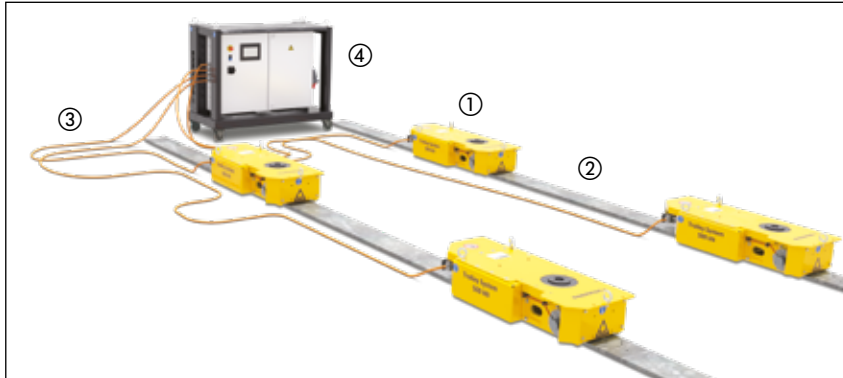
## ETR-Trolley System

The Enerpac Trolley System provides an alternative method with increased benefits over traditional skidding methods.

Load movements are more stable due to the continuous movement and ability to precisely control travel speed including acceleration and deceleration.

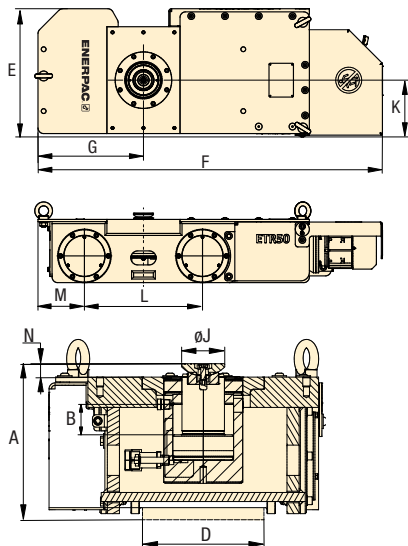
## Key features:

|                        |                 |
|------------------------|-----------------|
| Low speed (loaded):    | 25 m/hr         |
| High speed (loaded):   | 50 m/hr         |
| Travel speed unloaded: | 100 m/hr        |
| Accuracy:              | 10 mm           |
| Sideload:              | 1,5% rated load |
| Sound Level:           | < 80 dBA        |

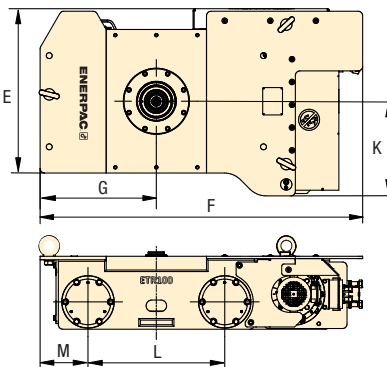


- ① Electric Trolley ETR-Series
- ② Track Plate ETR-TP-015 or ETR-TP-030
- ③ Control Cable ETR-CBL-15 or ETR-CBL-25
- ④ Control Panel ETR-CPW8 (including wireless remote)
- ⑤ Split-Flow Electric Pump - SFP-Series Not shown. Optional for units with hydraulic cylinders

## ETR50



## ETR100



## ETR Series



Capacity Per Trolley:

**500 - 1000 kN**

Travel Speed (loaded):

**25 - 50 m/hr**

Motor Power:

**0,38 - 0,75 kW**



## Trolley Track Plates

Track plates provide level guidance and support for the trolley. Two plates placed side-by-side are used for operation of

ETR100-Series Trolleys. Maximum inclination of tracks is 0,2 degree.

| Model Number | Description               |
|--------------|---------------------------|
| ETR-TP-015   | 1,5 m Trolley track plate |
| ETR-TP-030   | 3,0 m Trolley track plate |



## Additional Mounting Options

Mounting kits are available to accommodate other lifting and rigging solutions.

| Model Number | Description                 |
|--------------|-----------------------------|
| ETR50-SMK    | Enerpac SCJ50 on ETR50      |
| ETR100-SMK   | Enerpac SCJ100 on ETR100    |
| ETR50-BMK    | Swivel beam mount on ETR50  |
| ETR100-BMK   | Swivel beam mount on ETR100 |

| Capacity per Trolley Unit<br>ton (kN) | Model Number<br>(one unit) | Motor Power<br>(kW) | Dimensions (mm) |                                |                           |     |      |     |     |     |     |     |    | (kg) |
|---------------------------------------|----------------------------|---------------------|-----------------|--------------------------------|---------------------------|-----|------|-----|-----|-----|-----|-----|----|------|
|                                       |                            |                     | A               | Hydraulic Stroke <sup>1)</sup> | Track Width <sup>2)</sup> | E   | F    | G   | J   | K   | L   | M   | N  |      |
| 50 (500)                              | ETR50                      | 0,38                | 245             | —                              | 200                       | 456 | 1225 | 375 | 125 | 202 | 420 | 165 | 10 | 310  |
|                                       | ETR50H                     |                     | 257             | 50                             |                           |     |      |     | 71  |     |     |     | 22 | 320  |
| 100 (1000)                            | ETR100                     | 0,75                | 346             | —                              | 400                       | 821 | 1415 | 510 | 170 | 415 | 600 | 210 | 15 | 850  |
|                                       | ETR100H                    |                     | 349             | 100                            |                           |     |      |     | 71  |     |     |     | 19 | 860  |

<sup>1)</sup> ETR50H includes HCG502 Cylinder with CATS50 Swivel Saddle. ETR100H includes HCG1004 Cylinder with CATS101 Swivel Saddle.

<sup>2)</sup> ETR100 series uses two track plates side-by-side.