

# LINEAR MACHINE - LM-2WP

## Basic Equipment Datasheet



### DESCRIPTION:

The LM has the essential purpose to maintain the correct residual tension on the cable, working as brake during cable laying or as pulling winch while loading the cable on board. The 2 vertically opposed crawlers allow the cable pass through mantaining the required amount of grip pressure.

## TECHNICAL DATA

### Dimension:

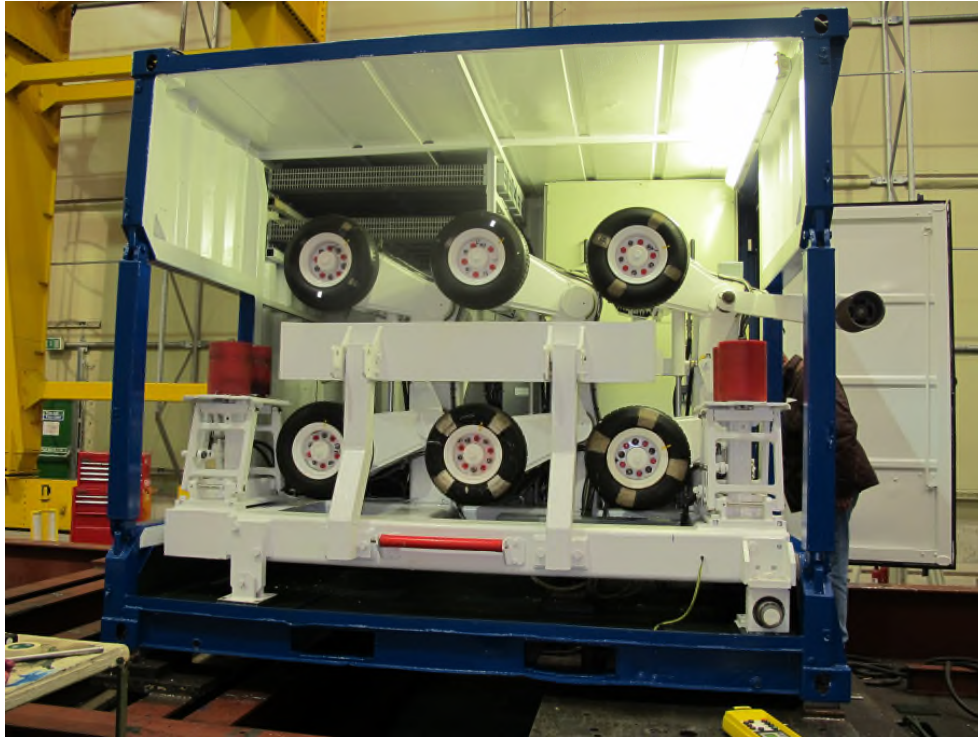
- *Length:* 2.86 m
- *Width:* 1.51 m
- *Height (from the deck):* 1.67 m
  
- *Weight:* 2,75 tons

### Additional Data:

- *Required Power Supply:* 415/440V 3ph  
50/60 Hz
- *Max wheel opening:* 400 mm
- *Max lock pressure:* 2 tons
- *Pulling force:* 2 tons
- *Max Speed:* 2.4 km/h
- *Maximum cable diameter:* 300 mm
- *Minimum cable diameter:* 12 mm
- *Cable entrance height:* 1000 mm

# LINEAR MACHINE - LM-3WP

## Basic Equipment Datasheet



### DESCRIPTION:

The LM has the essential purpose to maintain the correct residual tension on the cable, working as brake during cable laying or as pulling winch while loading the cable on board. The 2 vertically opposed crawlers allow the cable pass through mantaining the required amount of grip pressure.

## TECHNICAL DATA

### Dimension:

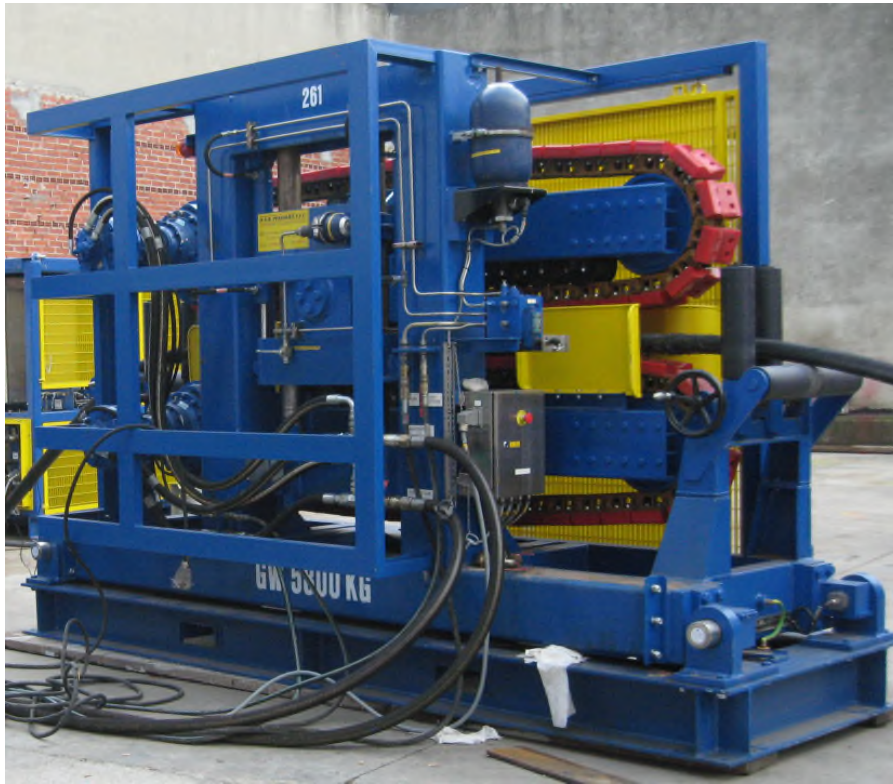
- *Length:* 3,00 m
- *Width:* 2,44 m
- *Height:* 2,59 m
  
- *Weight:* 7,00 tons

### Additional Data:

- *Required Power Supply:* 380/440V 3ph  
50/60 Hz
- *Max wheel opening:* 400 mm
- *Pulling force:* 2,5 tons
- *Max Speed:* 2,4 tons
- *Maximum cable diameter:* 220 mm
- *Minimum cable diameter:* 12 mm
- *Cable entrance height:* 1100 mm

# LINEAR MACHINE - LM-10 - TENSIONER

## Basic Equipment Datasheet



### DESCRIPTION:

The LM has the essential purpose to maintain the correct residual tension on the cable, working as brake during cable laying or as pulling winch while loading the cable on board. The 2 vertically opposed crawlers allow cable pass through maintaining the required amount of grip pressure.

The LM 10 hosts comprises 2 opposed crawlers with polyurethane moulded pads, driven by a 75kW Electro- Hydraulic Power Unit connected to the 200kW power generator Perin GEPD250 Super Silent.

The equipment includes a Remote Control Unit (RCU) to select direction and control tracks speed, equipped with readout meters, grip & compression values, speed and tension.

## TECHNICAL DATA

### Dimension:

- **Length:** 3.85 m
- **Width:** 1.60 m
- **Height (from the deck):** 2.54 m
  
- **Weight:** 5,5 tons

### Additional Data:

- **Pad Opening:** 400 mm (max).
- **Grip Length:** 1.8 m
- **Max Lock Pressure:** 11 tons/m
- **Max Pulling Force:** 10 tons
- **Max Speed @ 60Hz:** 1.5 km/h
- **Coefficient of Friction (assumed)** 0.5
- **Maximum cable diameter:** 200 mm
- **Minimum cable diameter** 40 mm
- **Cable entrance height:** 1300 mm

# LINEAR MACHINE - LM-10 - HPU (Hydraulic Power Unit)

## Basic Equipment Datasheet



### DESCRIPTION:

Hydraulic units are essential to generate power for all laying equipment. P.C.S. has availability of different motorization, according to the power needed by a specific outfit to be used. The remote control allows a better and safer operations for the equipment.

This Electro-Hydraulic Power Unit provides 75kW to drive the LM-10

HPU (Hydraulic Power Unit) is connected to the Tensione LM 10 by a set of 10m long hoses, with quick disconnection coupling fitted at both ends.

## TECHNICAL DATA

### Dimension:

- *Length:* 2.35 m
- *Width:* 1.20 m
- *Height:* 2.20 m
  
- *Weight:* 2,7 tons

### Additional Data:

- *Required power supply:* 415/440V 3ph 50/60 Hz
- *Electric motor power:* 75kW
- *Full load current:* 129 A
- *Max flow rate*
  - 140 l/min - 50Hz
  - 170 l/min - 60Hz
- *Max pressure:* 250 bar
- *Hydraulic oil cooler:* oil/sea water
- *Max coiling water consumption:* 50 l/m
- *Oil Tank:* 400 lt

# LINEAR MACHINE - LM-10 - RCU - Remote Control Room

## Basic Equipment Datasheet



### DESCRIPTION:

RCU (Remote Control Room) is a console that allows remote operating and control of the Tensioner. It can be set in "automatic" operation or in "manual".

The Tensioner LM 10 includes a Remote Control Unit (RCU) located inside the Control Cabin, to select direction and control tracks speed, equipped with readout meters, squeeze values, speed and tension.

## TECHNICAL DATA

### Dimension:

- *Length:* 1,60 m
- *Width:* 1.60 m
- *Height:* 2.45 m
  
- *Weight:* 1,1 tons