

Electric Wire Rope Hoists

Features

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Podem's wire rope hoist range provides solutions for cranes and replacement applications. There are two series M and MT from 0.8 to 50 t, covering the light, medium and heavy operation modes. A wide range of lifting speeds and lifting heights is available.



Lifting reducer

Planetary gearboxes (2 or 3 stages) developed specially for lifting mechanism offers high reliability and compact size, many options for lifting speeds and low noise level (79-82dB). Lubricated for life for minimum maintenance.

Advantages of Podem's electric wire rope hoists:

- Excellent price/performance ratio
- Long life
- Highest possible reliability levels offered in the industry (after a comprehensive tests to other leading world brands)
- Operational safety
- Easy maintenance
- Low service costs
- Perfect for tougher working conditions
- Outstanding value for money
- Simple classic design



Self braking lifting motor

The three-phase asynchronous electric motors with cylindrical rotor and build-in DC disc brake are available for single or dual speed option.

The single polarity motor allows inverter control for smooth acceleration and deceleration of lifting speed.

Thermal protection and insulation class F are standard features for Podem's motors.

Conical rotor motors are available for special application.



Wire rope guide

Rope guide made of tough plastic and metal – reliable operation even in critical environments.

The rope guide consists of three parts: the guide ring, pressure spring and rollers. The pressure spring ensures that the rope sits correctly into the drum groove whilst the guide ring always maintains the rope in the correct position preventing the rope from coming off the drum groove.

Movement of the guide ring across the drum activates the up/down limit switch.

Rollers mounted on anti-friction bearings allows smooth rope lead and prolongs the life of the rope.

Ropes are galvanized and high endurance class.



Over-load limiter

All hoists are endowed with overload limiter are with 2 reaction thresholds:

- **1st Stop:** Activating a Warning
- **2nd Stop:** Stopping both lifting and travel actions
- Secure system for switching-off when overload
- Smooth descent of the load after overload
- Intelligent system for detection of dynamic overloads
- Fine adjustment
- Construction meeting the strongest requirements in the industry

Dynamometric pin overload limiter.
It is optional with many extra features:
Load spectrum/ measuring device, lifting calculation etc.

Body

Stable construction provides reliable and precise operation of the whole mechanism. Precision body component assembling and high quality and controlled welding. Processing of the body on one place.

Control panel

Every hoist is equipped with high quality full-set control panel. Any special requirement (wireless push button, inverters) can be included under request.

