



### Feature

- \* Independent dual power-off brake, manual release gear.
- \* High-efficiency reducer, transmission efficiency  $\geq 94\%$ .
- \* Safety factor under rated load  $\geq 1.2$  times.
- \* A test report issued by a municipal quality supervision and testing unit or a quality supervision and testing unit above the municipal level is provided.
- \* The advanced virtual prototype technology is used for the selection of motors and reducers, as well as the design, analysis and calculation of transmission components, which meet the relevant national standards; the manufacturer provides complete 3D design modeling, mechanical analysis and other material proofs. The device starts and stops slowly without shaking.
- \* Double upper and lower limits can be used to realize the secondary protection of the upper and lower limits, or one upper limit and one lower limit can be used as PLC positioning contacts to realize a soft limit and achieve more accurate fixed-point positioning.
- \* The driver adopts double brakes, which is easier to maintain and replace than solenoid valve brakes;
- \* All the reels are stressed on the output shaft of the reducer, so the safety factor of the structural force is higher than that of similar batten hoists. For the batten hoist with 5 hoisting points on the market, there is a reel that is not directly on the shaft, and the force is all through the screw; while the batten hoist with 6 hoisting points has two reels, and the force is carried by the screw.
- \* The winding reel is made of 45# steel after casting, and it is characterized by good anti-seismic and impact resistance.
- \* The output shaft is treated with hard chrome after quenching and tempering to achieve higher hardness. In the case of 6-hoisting point reel installation, it meets the technological requirements of 0.005L deformation.
- \* The safety factor of the gear transmission box is relatively high; especially compared with the WP series batten hoist, it is as high as about 2 times.
- \* The driver adopts K67/K77 helical gear transmission box, which features high output efficiency, less transmission energy consumption and more energy saving.

### Specification

Model	TL-EM302
Hoisting stroke	About 12m (According to the situation on site)
Rated load	6.0kN
Rated speed	0.15m/s
Hoisting points	5
Positioning accuracy	$\pm 3\text{mm}$
Running noise	$\leq 50\text{dB(A)}$
Motor power	1.5KW
Reducer	K series helical gear reducer
Security device	Up and down travel limit device, height limit device
(Including an 18m batten, take-up frames, wire ropes, pulleys and other installation accessories)	