Small Electric Winch 120V And 240V For Compact Applications

Item Number: GJYJ1T

Introduction

Discover the small electric winch for efficient lifting and pulling in construction, warehousing, and rescue. High-torque, safe, and durable.

Learn More

Feature	Description
High-Efficiency Power & Precision Control	
High-Torque Motor	Equipped with a high-performance copper-core motor, rated power 1.5–2.2 kW, strong starting torque, stable operation.
Multi-Speed Design	Utilizes planetary gear reducer or worm gear reduction mechanism, lifting speeds 8–15 meters per minute.
Smart Control System	Supports wireless remote or wired button control, some models include variable frequency speed regulation.
Multi-Layered Safety Protection Mechanisms	
Dual Braking System	Features electromagnetic brake and mechanical brake for instant load locking during power outages.
Overload Protection	Integrated electronic overload sensors or mechanical friction clutches, automatic power cut or slippage for loads over 1 ton.
Limit Switch Protection	Upper/lower travel limit switches halt operations at preset heights, preventing wire rope over-winding or derailment.
Compact Structure & Durable Design	
High-Strength Materials	Drum crafted from seamless steel tubes or cast steel with anti-corrosion coatings, paired with multi-layer high-tensile steel wire ropes (Φ8–10 mm).
Modular Design	Compact dimensions (approx. 600×400×400 mm), lightweight (100–150 kg), easy installation or integration with mobile frames.
Thermal & Environmental Protection	Fully enclosed motor housing with cooling fans, IP54-rated dust/water resistance.
Versatile Applications	
Construction	Vertical transport of building materials, formwork lifting.
Warehousing & Logistics	Cargo loading/unloading and stacking with cranes or gantries.
Manufacturing	Equipment installation and heavy component relocation.
Emergency Rescue	Vehicle recovery and obstacle clearance.
Energy Efficiency & Easy Maintenance	
Low Energy Consumption	Optimized motor efficiency reduces electricity use by ~20% compared to traditional models.
Maintenance-Free Design	Self-lubricating bearings and sealed gearboxes minimize upkeep, routine checks on wire ropes and bolts suffice.