

ED HIGH SPEED ELECTRIC CHAIN HOIST

Little hoist. Lots of power.

Plug the ED into any standard 115V wall socket and you're ready to lift. With speeds up to 44fpm, you'll be amazed that such a small hoist moves so quickly. Designed for productivity and portability, the ED also offers a variable-speed option to adjust to the speed best suited for your application.

HIGH SPEED MOTOR

The ED electric hoist is a fast, single-phase lifting mechanism available in a variety of configurations. The compact DC motor reduces weight, generates less heat and maintains duty cycles to keep production moving.

STANDARD DUAL BRAKING SYSTEM

Get double the protection with a Weston-style mechanical load brake plus a regenerative brake.

QUIET AND SMOOTH OPERATION

With bearings immersed in an oil bath, you can hear how smoothly the ED electric hoist operates. This reduced friction results in less noise and vibration, which extends the life of the hoist.

DURABLE HEAT TREATED GEARS

Kito's own heat treatment process increases the overall hardness and strength of internal parts for greater wear resistance. Our three-step process of brilliant heat treatment, case hardening and induction provides ED with exceptional performance

INTEGRATED FRICTION CLUTCH

Integrated with the load brake, the high-performance friction clutch on the ED is designed to protect against winding or overtravel, which can damage the hoist and cause downtime.



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All specifications, dimensions and drawings are available at www.kito.ca, or call our Customer Service staff for friendly and expert advice on models and options.

SINGLE PHASE ELECTRIC
CHAIN HOISTS

ED HIGH SPEED ELECTRIC CHAIN HOIST

CAPACITY

- 60kg to 480kg
- Single or double speed

STANDARDS

- CSA approved
- ASME B30.16 Safety Standard
- ASME HST-1 Performance Standard
- IP44 environmental protection
- Load-bearing parts are subjected to stresses of only 20% of their limit at rated capacity

OPTIONS

- Dual speed units available
- Plastic, canvas or steel containers
- Lifting chain lengths can be customized to meet requirements
- Application Fixed by Hook or with Manual Trolley
- TMH Mini Trolley designed to work exclusively with the ED hoist

BODY

- Die-cast aluminum frame
- Low height profile
- Weatherproof construction resists dust and water

GEARS

- Precision induction hardened gears immersed in an oil bath ensure quiet, smooth operation and long life

LOAD CURRENT

- Abrasion and corrosion resistant nickel coated load chain is made from heat treated alloy steel
- Grade 80 Series

CHAIN GUIDE

- Sturdy, long-lasting cast iron construction

HOOKS

- Forged carbon steel opens gradually without fracturing under excessive loads
- Bottom hook rotates 360 degrees
- Self-closing top and bottom hooks with heavy-duty hook lock

BEARINGS

- Heat-treated deep groove ball and needle bearings are immersed in an oil bath

CONTROLS

- Impact-resistant plastic push button with molded strain relief
- Adjustable low speed on dual speed pendant models
- Exclusive to cylinder control: in-line cylinder control allows one-handed operation
- Adjustable high/low speeds with easy touch tips for quick selection
- Low voltage, IP65 dust and waterproof pendant control

BRAKE

- Weston style mechanical load brake and regenerative braking

MOTOR

- Voltage: 120-1-60 volts
- Single phase
- Horsepower: 0.4 to 0.8 hp
- Duty cycle: varies depending on capacity
- Compact DC motor with rectifier for AC current
- Variable at high speed up to 13.5m/min

OVERVOLTAGE PROTECTION

- An integrated high-performance friction clutch prevents damage from overloads and overtravel
- Upper limit switch prevents overshoot



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ED-ST DUAL SPEED

HOOK MOUNT

SPECIFICATIONS

| Capacity | Model | Standard Lift (ft) | Lifting Speed (ft/min) | Hoist Motor (H.P.) | Headroom (in) | | Load Chain Falls | Rated Current (amps) 115V | Net Weight (lbs) | Additional weight per 5 ft of lift (lbs) |
|----------|--------|--------------------|------------------------|--------------------|---------------|--------------|------------------|---------------------------|------------------|--|
| | | | | | Hook Mount | Mini Trolley | | | | |
| 100 kg | ED10ST | 10 | 43/10 | 0.4 | 12 | 10.5 | 1 | 5 | 27 | 2 |
| 240 kg | ED24ST | 10 | 44/10 | 0.8 | 13 | 11 | 1 | 10 | 37 | 2 |
| 480kg | ED48ST | 10 | 22/6.5 | 0.8 | 20.5 | 20.5 | 2 | 10 | 49 | 4 |



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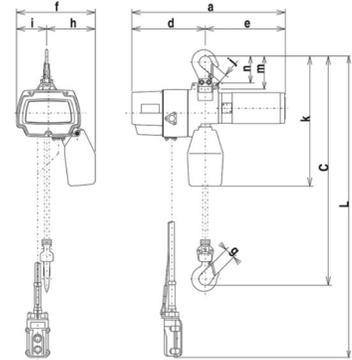
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ED-ST DUAL SPEED

HOOK MOUNT



ED dual speed line drawing

*For informational purposes only, contact Kito for dimensional drawing

DIMENSIONS

| Capacity | Model | W | The | d | It is | f | H | i | g | j | k |
|----------|--------|-----|-----|-----|-------|-----|-----|----|----|----|-----|
| 100 kg | ED10ST | 315 | 371 | 187 | 184 | 200 | 120 | 80 | 27 | 25 | 340 |
| 240 kg | ED24ST | 330 | 428 | 205 | 223 | 219 | 135 | 84 | 27 | 25 | 362 |
| 480kg | ED48ST | 520 | 428 | 205 | 223 | 219 | 155 | 74 | 24 | 24 | 454 |



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ED HIGH SPEED ELECTRIC CHAIN HOIST

ED-S SINGLE SPEED

HOOK MOUNT

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| | | | | | Hook Mount | Mini Trolley | | | | |
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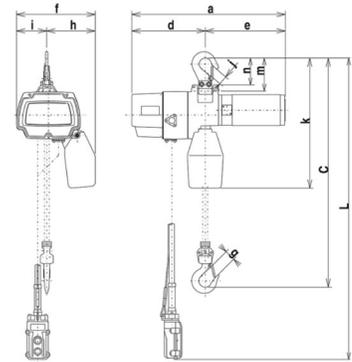
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ED HIGH SPEED ELECTRIC CHAIN HOIST

ED-S SINGLE SPEED

HOOK MOUNT



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