

## ED Electric Chain Hoists With Hook Suspension and Mini Trolley

In our ED Series of electric chain hoists, we offer the user a powerful combination of benefits. A wide variety of lifting speeds. A low headroom designed to fit most applications. A unique, ergonomically designed, one-handed cylinder control that results in maximum load control. These features tied together with the convenience of single-phase power, make these hoists ideal for both commercial and industrial applications.

### Features and Benefits

### Standard Hoist Specifications

#### All Models

##### Double Braking System

Provides protection with a Weston-style mechanical load brake and a regenerative brake

##### Compact Design

Die-cast aluminum body is lightweight and low headroom to fit into tight areas  
Easy to install, move and store

##### Heavy Duty Motor

With .4 to .8 horsepower is above standard for industrial situations. The compact DC motor with rectifier for AC current reduces weight, generates less heat and maintains duty cycles

##### High Performance Friction Clutch

Is integrated with the load brake and designed to slip to prevent overwinding or overtravel

##### Heat Treated Gearing

Deep-groove ball and needle bearings are immersed in an oil bath resulting in smooth, quiet operation

#### Unique to DS Model

##### Speed Flexibility

Low speed adjustable from 0 to 100% of maximum speed by setting screw inside the pendant

#### Unique to Cylinder Control (DA) Model

##### In-Line Handgrip

Permits one-handed operation and gives the operator a free hand to easily position the load

##### High/Low Speeds

Easy touch rocker switch above handgrip allows quick selection between low and high speed control. Finger turn knobs allow custom setting of speeds from 0–100%

##### Removable Bottom Hook

Permits insertion of a variety of below-the-hook material handling devices

#### Capacity Range

125 lb.–1050 lb.

#### Voltage

120-1-60

#### Control Voltage

120V Direct

#### Duty Cycle\*

Varies by capacity—see charts

#### Classification\*

ASME H2

#### Ratings

Hoist—IP54  
Pendant—IP65  
Cylinder Control—IP44

#### Limit Switch

Prevents overwinding/overlifting  
Standard upper

#### Chain Falls

Single fall—all models

#### Standard Lengths

Single/Dual Speeds Lift—10'  
Cylinder Control Lift—6'  
Single/Dual Speeds Pendant Drop—  
3' less than lift  
Cylinder Control—9' reach (approx.)  
(reach equals lift plus headroom)  
Power Supply—16'  
(longer lengths available)

#### Standard Pendants

Single/Dual Speeds—2 button  
Momentary contacts

#### Chain Containers

Standard  
Plastic

#### Mini Trolley

Fits all ED models up to 525 lb. capacity  
For ED1050 lb. capacity or wider flanges use PT005 trolley

\*See page 48 for additional information.



ED525DA



ED250S

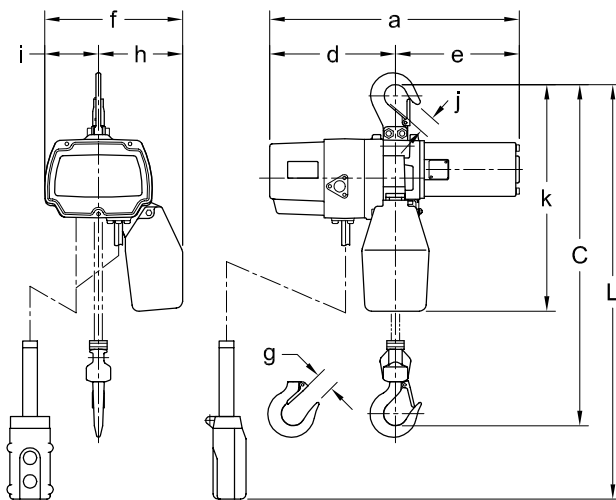
# ED Electric Chain Hoists With Hook Suspension and Mini Trolley

## HOIST—SPECIFICATIONS

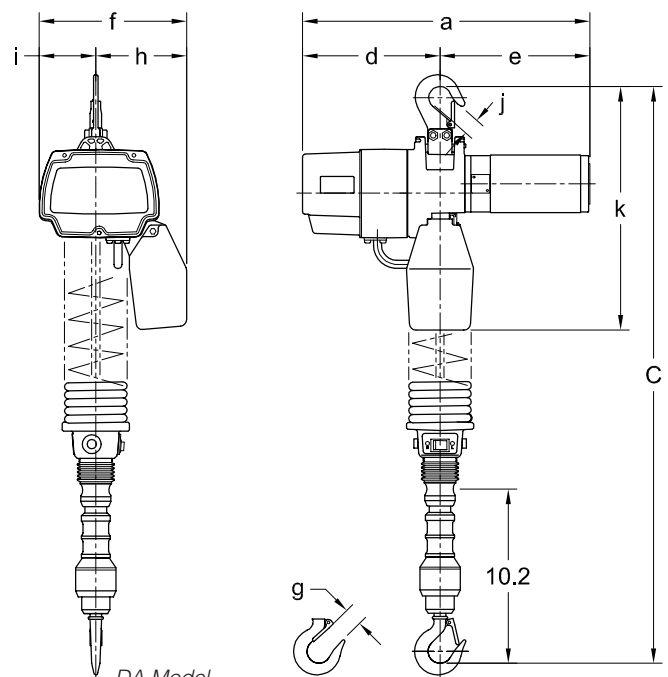
Cap. (lbs)	Product Code			Lifting Speed (ft/min)		Standard Lift (ft)		Push Button Cord L (ft)		Motor Output (Hp)	Intermittent Duty Rating		Short Time Duty Rating (min)	Rated Current at 120V (amps)
	Single Speed S Model	Dual Speed DS Model	Dual Adjustable DA Model	S Model	DS & DA Model	S & DS Model	DA Model	S & DS Model	DA Model		Duty Rating % ED	Max. Start Freq. (Times/Hr)		
125	ED125S	ED125DS	ED125DA	69	69/13	10	6	8	Coiled	0.4	30	180	15	5
220	ED220S	ED220DS	ED220DA	43	43/10						20	120	10	6
250	ED250S	ED250DS	ED250DA	26	26/10						30	180	20	10
350	ED350S	ED350DS	ED350DA	66	66/13						20	120	10	6
400	ED400S	ED400DS	ED400DA	26	26/10						30	180	20	10
525	ED525S	ED525DS	ED525DA	44	44/10						20	120	10	6
1050	ED1050S	ED1050DS	—	22	22/6						30	180	20	10

## HOIST—DIMENSIONS AND WEIGHTS

Cap. (lbs)	Headroom C (in)		a (in)	d (in)	e (in)	f (in)	g (in)	h (in)	i (in)	j (in)	k (in)	Net Weight (lbs)			Weight for Additional One Foot of Lift (lbs)	
	S & DS Model	DA Model										S Model	DS Model	DA Model	S Model	DS Model
125	12.4	37.2	14.6	7.4	7.2	8.1	1.0	4.9	3.1	1.0	13.4	23	24	31	0.26	0.29
220												24	25	32		
250	13.0	37.8	16.9	8.1	8.8	8.6	1.0	5.3	3.3	1.0	14.3	33	34	40	0.26	0.29
350												24	25	32		
400	12.4	37.2	14.6	7.4	7.2	8.1	1.0	4.9	3.1	1.0	13.4	24	25	32	0.26	0.29
525												24	25	32		
525	13.0	37.8	16.9	8.1	8.8	8.6	1.0	5.3	3.3	1.0	14.3	33	34	40	0.26	0.29
1050												20.5	—	16.9		



S and DS Models



DA Model  
(Dimensions in inches.)

**ET MINI TROLLEY—SPECIFICATIONS**

Maximum Capacity (lbs)	Product Code	Adjustable Beam Width B (in)	Minimum Radius for Curve (in)	Net Weight (lbs)	Approximate Shipping Weight (lbs)
525	ET525	1.97–3.94	23.6	4.0	5.0

**ET MINI TROLLEY—DIMENSIONS**

Cap. (lbs)	Headroom C (in)	
	S & DS Models	DA Model
125	10.5	35.3
220		
250		
350	11.1	35.9
400	10.5	35.3
525	11.1	35.9

