

ED Electric Chain Hoists with Hook Suspension and Mini Trolley



ED250S

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

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.

Standard Hoist Specifications

Capacity Range

125 lb.–1050 lb.

Voltage

120-1-60

Control Voltage

120V Direct

Duty Cycle*

Varies by capacity—see charts

Ratings

Hoist—IP54

Pendant—IP65

Cylinder Control—IP44

Limit Switch

Prevents overwinding/overlifting
Standard upper

Chain Falls

Single fall—125–525 lb.

Double fall—1050 lb.

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

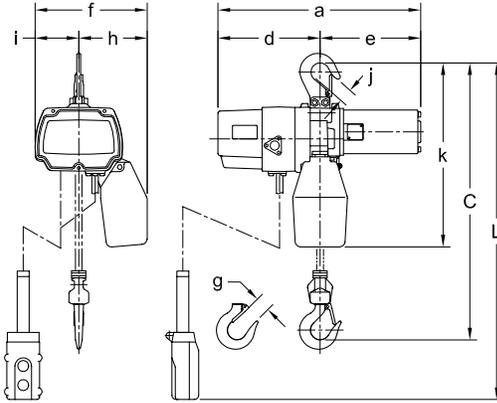
For ED1050 lb. capacity or wider
flanges use PT005 trolley

*See page 56 for additional information.

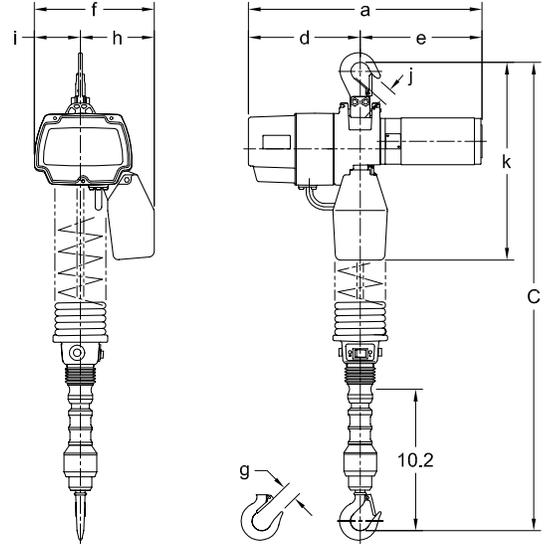
HARRINGTON ELECTRIC CHAIN HOISTS



ED525DA



S and DS Models



DA Model
(Dimensions in inches.)

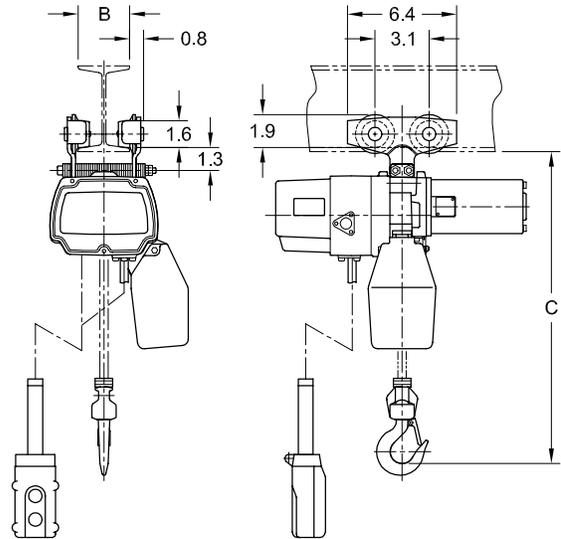
HOIST—SPECIFICATIONS

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					0.4	30	180	15	5
250	ED250S	ED250DS	ED250DA	26	26/10					0.4	20	120	10	6
350	ED350S	ED350DS	ED350DA	66	66/13					0.8	30	180	20	10
400	ED400S	ED400DS	ED400DA	26	26/10					0.4	20	120	10	6
525	ED525S	ED525DS	ED525DA	44	44/10					0.8	30	180	20	10
1050	ED1050S	ED1050DS	—	22	22/6	—	—	—	—	0.8	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	12.4	37.2	14.6	7.4	7.2	8.1		4.9	3.1		13.4	23	24	31		
250	12.4	37.2	14.6	7.4	7.2	8.1		4.9	3.1		13.4	24	25	32		
350	13.0	37.8	16.9	8.1	8.8	8.6		5.3	3.3		14.3	33	34	40		
400	12.4	37.2	14.6	7.4	7.2	8.1		4.9	3.1		13.4	24	25	32		
525	13.0	37.8	16.9	8.1	8.8	8.6		5.3	3.3		14.3	33	34	40		
1050	20.5	—	16.9	8.1	8.8	9.0	0.9	6.1	2.9	—	17.9	46	47	—	0.49	0.52

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ET525 (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