

Electric Chain Hoists

Enhanced Features

UL® Listed*

Certified and listed to UL 1340 "Standard for Hoists."



Easy Access Suspension

External pins allow for quick change from hook to lug for trolley mount configurations on most models.



Perpendicular Orientation

PT push trolley mount and MR motorized trolley mount hoists are configured as perpendicular to the beam on single fall models. Parallel mount is available as an option.



High Strength, Corrosion and Wear Resistant Load Chain

Grade 80, super strength, nickel-plated load chain, certified to DIN standards, uses unique technology to greatly increase resistance to fatigue and wear.



Green Initiative

Built smarter without the use of harmful materials. Environmentally friendly. RoHS compliant.



Notched Hook and Latch System

Provides positive closing and improves resistance against lateral forces standard on most models.



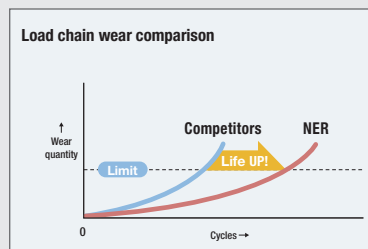
Unique Load Sheave

Increased number of pockets reduce chain vibration and increase chain life. 5 pockets standard; 6 pockets on smaller body hoists.



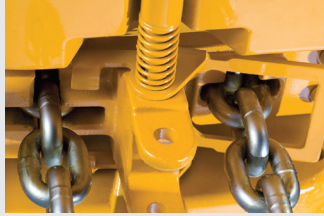
Extended Chain Life

Decreased chain wear as a result of a revolutionary heat treatment process, improved material and chain size.



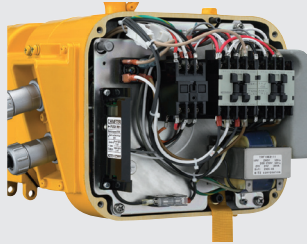
Limit Switches

Low-profile upper and lower limit switches are standard.



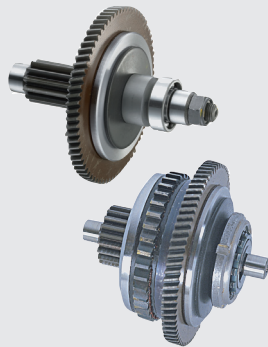
Contactor

Mechanically interlocked, heavy-duty contactors on single speed models.



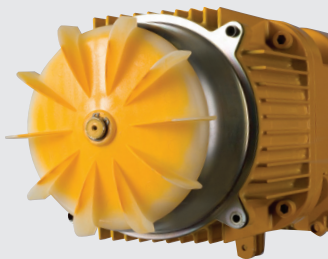
Friction Clutch and Load Brake

Friction clutch is standard on NER/ER models and friction clutch with mechanical load brake standard on ER models. Carbon friction material provides consistent performance over a wide temperature range.



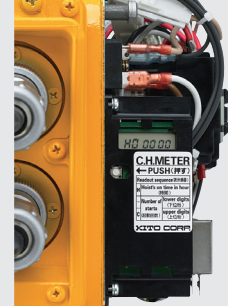
High Air Flow

Cooler motor and brake attributed to an engineered motor fin, fan blade and fan cover design.



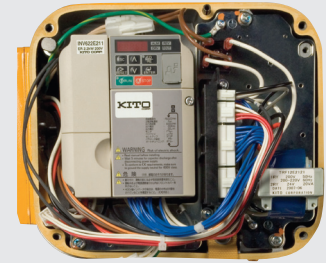
Standard Count Hour Meter

Records and displays the number of lowering starts and hoist on time which is valuable for preventive maintenance. Integral to VFD on dual speed models.



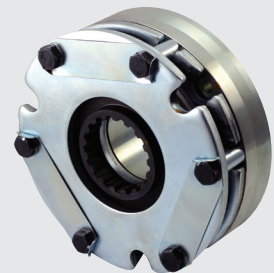
Dual Speed VFD

Under-the-cover VFD standard for dual speed hoists. Speed ratio is 6:1 with adjustability up to 12:1.



“The Guardian” Smart Brake Technology

A current driven electromagnetic brake does not release unless the motor is energized. **10 year hoist brake warranty.**

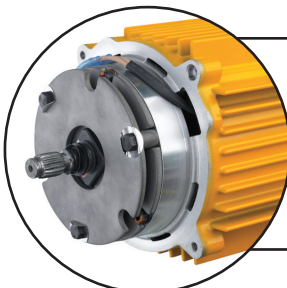


Pendant Controls

Ergonomic design for operator comfort. Red button emergency stop is standard on all 4-button and on 2-button dual speed pendants.



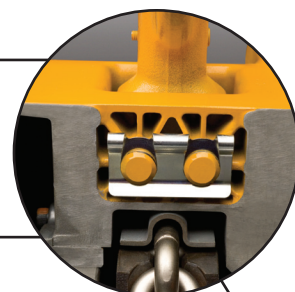
Electric Chain Hoists



“The Guardian”: Smart Brake Technology
 Revolutionary DC current motor brake with electrical failsafe design. **10 year warranty.**

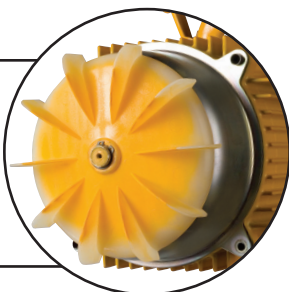
Suspension

Hoist is easily changed from hook to lug mount configurations with external suspension pins on most models.



Totally Enclosed Fan Cooled (TEFC) Motor

Engineered motor fin, fan blade and fan cover design cools the motor and brake.



Extreme Duty Motor

Increased performance through 60 minute duty rating, H4 classification, Class B insulation, cooling fins and standard thermal motor protection. Offers higher horsepower than most competitors.

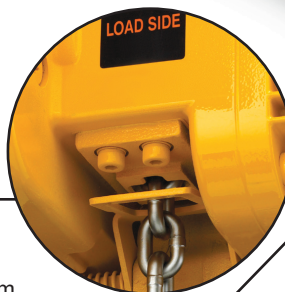
Durable Push Button Pendant

Easy to use, one-handed operation. Rated IP65. Standard control voltage is 110V. Strain relief wire is molded to pendant cord for added support and dependability. E-stop is standard on all 4-button pendants and on 2-button dual speed pendants.



Upper/Lower Limit Switches

Low profile upper and lower limit switches provide excellent headroom.

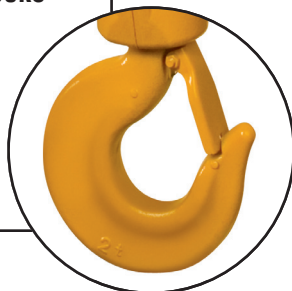


Load Sheave

5 or 6 deep-groove pockets fully support the load chain during operation. Reduces vibration and chain wear. Provides true vertical lift.

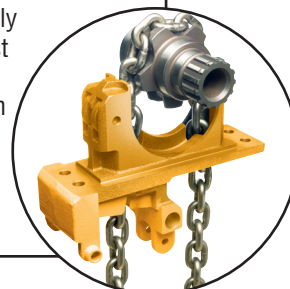
Forged Carbon Steel Hooks

Under excessive loads will open gradually and not fracture. Ball bearings produce smooth rotation. Bottom hook will swivel 360 degrees. Heavy-duty hook latches are standard.



Unique Chain Guide

Provides quiet and smooth guiding of chain. Easily replaced without hoist disassembly. Heavy cast iron construction for improved wear versus stamped steel design offered by many manufacturers.



Heat Treated Helical and Spur Gears

Precision machined for long life. Oil bath lubrication results in a quiet, smooth, cool operation.

Mechanical Load Brake

Mechanical (secondary) Weston-style load brake standard on ER models.

Long Life Friction Clutch

Protects hoist from damage and prevents overwinding. ER model couples Weston-style load brake with friction clutch.

Compact Aluminum Body

Die-cast body is lightweight and offers low headroom – one of the best in the industry. Paint is electrostatically applied.

Completely Sealed Body

Suitable for both indoor and outdoor applications, including harsh environments. (Consult Owner's Manual for details.) Gaskets throughout the hoist provide for an IP55 rating.

Contactors

Mechanically interlocked heavy-duty contactors (single speed).

Variable Frequency Drive

Dual speed controls via "under-the-cover" variable frequency drive standard. Optional 2-step and 3-step infinitely variable control.

Count Hour Meter

This maintenance feature tracks motor starts, running time and usage history by instant digital display. Meter operates independently of the hoist. Integral to VFD on dual speed models.

Easy Maintenance Control Panel

Simple layout of controls and a single swing-down panel. Captured control cover provides standard wiring diagram and allows fast on-site access.

Plug-in Connections

Saves valuable time on set up and maintenance. "Quick disconnect" replaces typical competitive hard-wired designs.

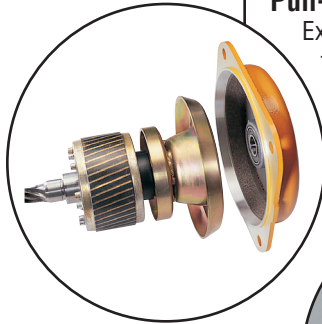
Corrosion Resistant Load Chain

Nickel-plated, Grade 80, DIN chain for superb durability and strength.

Operating Conditions

Recommended for -4° to $+104^{\circ}$ F and humidity of 85% or less.

MR Motorized Trolleys

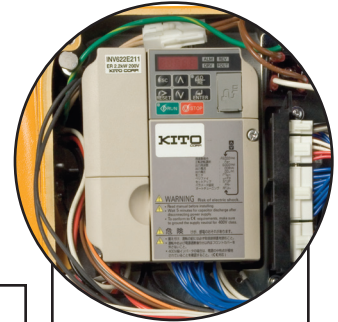


Pull-Rotor Motor Brake

Extremely durable and reliable, this advanced design furnishes precision load control, deceleration and long life.

Heavy-Duty Motor

Designed for top performance with high-horsepower, 30-minute duty rating, cooling fins and standard thermal motor protection. Motor is totally enclosed, non-ventilated (TENV).



Variable Frequency Drive

Dual speed controls via “under-the-cover” variable frequency drive standard.

Built-In Drop Stops

Important feature provides additional security for the operator and the equipment.



Sealed Protection

Appropriate for both indoor and outdoor applications, including harsh environments. (Consult owner's manuals for details.) Gaskets throughout the trolley provide for an IP55 rating.

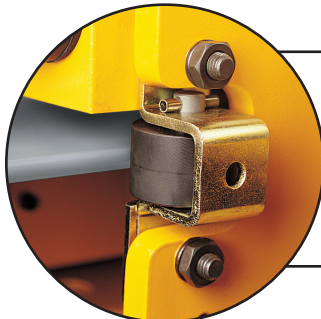
Rubber Bumpers

Standard feature on all motorized trolleys. Provides protection from collisions. Complies with ASME standards.



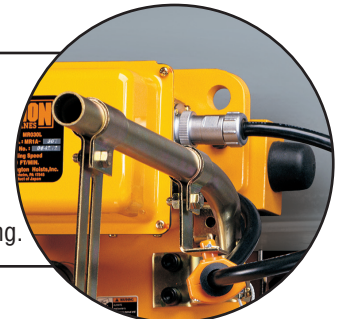
Side Guide Rollers

Four ball bearing supported rollers enhance smooth trolley motion and reduce wear of the wheels and beam.



Cable Support Arm Assembly

Convenient “tow bar” is standard component that gives support and guides the power supply festooning.



Pendant Plug-In Connections

Saves valuable time on setup and maintenance. “Quick disconnect” replaces typical competitive hard-wired designs.

NER/ER Large Capacity Electric Chain Hoists with Hook and Lug Suspensions



NER/ER100S
(Shown with optional
canvas chain containers)

Large capacity lifting is now available in both our NER and ER models. Our three phase electric chain hoists provide the duty cycle, durability and ease of operation needed to support most heavy lifting applications.

Features and Benefits

UL® Listed**

Certified and listed to UL 1340 "Standard for Hoists."

Green Initiative

Built smarter without the use of harmful materials. Environmentally friendly. RoHS compliant.

Heavy-Duty Hook Latches

Standard

Limit Switches

Low-profile upper and lower limit switches are standard.

Extended Chain Life

Decreased chain wear as a result of a revolutionary heat treatment process, improved material and chain size.

Contactors

Mechanically interlocked, heavy-duty contactors on single speed models.

High Air Flow

Cooler motor and brake attributed to an engineered motor fin, fan blade and fan cover design.

Unique Load Sheave

Increased number of pockets reduce chain vibration and increase chain life. 5 pockets standard.

Friction Clutch and Load Brake

Friction clutch is standard on NER/ER models and friction clutch with mechanical load brake standard on ER models. Carbon friction material provides consistent performance over a wide temperature range.

Standard Count Hour Meter

Records and displays the number of lowering starts and hoist on time which is valuable for preventive maintenance. Integral to VFD on dual speed models.

High Strength, Corrosion and Wear Resistant Load Chain

Grade 80, super strength, nickel-plated load chain, certified to DIN standards, uses unique technology to greatly increase resistance to fatigue and wear.

Dual Speed VFD

Under-the-cover VFD standard for dual speed hoists. Speed ratio is 3:1 with adjustability up to 12:1.

"The Guardian": Smart Brake Technology

A current driven electromagnetic brake does not release unless the motor is energized. 10 year hoist brake warranty.

Pendant Controls

Ergonomic design for operator comfort. Red button emergency stop is standard on all 2-button dual speed pendants.

Standard Hoist Specifications

Large Capacity Range

NER/ER 8 Ton – 20 Ton
(See page 8 for 1/8 – 5 Ton)

Standard Voltage

208-230/460-3-60
Optional voltages available
Dual speed models are not reconnectable

Control Voltage

110V (optional 24V)

Classification*

ASME H4
ISO M4
FEM 2M or 1Am

Conformance**

UL 1340

Duty Cycle*

Single Speed – 60 Min.
Dual Speed – 30/10 Min. with VFD

Ratings

Hoist – IP55
Pendant – IP65

Upper / Lower Limit Switch

Overwinding/overlifting device
Standard on all models

Standard Pendants

Single speed: 2-button (momentary contacts)
Dual speed: 2-button (momentary contacts) with emergency On/Off (maintained contacts)

Standard Lift

10' (longer lifts available)

Standard Pendant Drop

4' less than lift (longer drops available)

Standard Power Supply Length

30' (longer lengths available)

Mounting

Hook, lug or trolley

Chain Containers

Optional
Canvas or steel

Operating Conditions

Recommended for -4° to +104° F and humidity of 85% or less.

NER vs. ER Features

ER model has same high-quality features as NER plus the following:

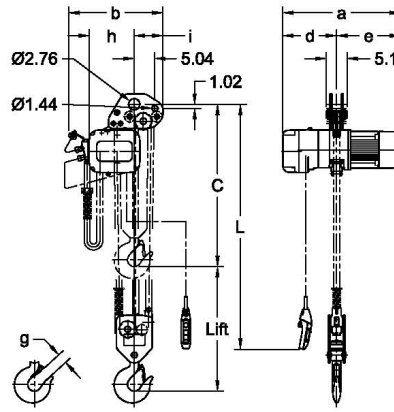
- Second brake—Weston-style mechanical load brake

*See page 56 for additional information.

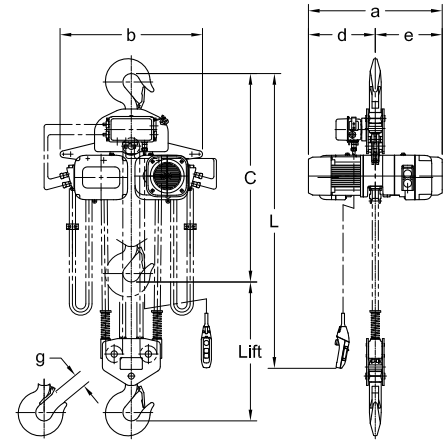
** Most models shipped with UL listing. Contact Customer Service for listed models.



NER/ER100S
(Shown with optional
canvas chain containers)



NER/ER080S



NER/ER100S

SINGLE SPEED — SPECIFICATIONS

Cap. (Tons)	Product Code	Std. Lift (ft)	Push Button Cord L (ft)	Lifting Speed (ft/min)	Lifting Motor 3 Phase 60 Hz		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)		Weight for Additional One Foot of Lift (lbs)	
					Output (Hp)	Rated Current (amps)					
						@208 – 230V		@460V			
8	(N)ER080S*	10	10.5	7.5	4.7	16.4	7.9	11.2 x 3	362	359	5.5
10	(N)ER100L		11.2	5.5	4.7	16.4	7.9	11.2 x 4	617	615	7.4
10	(N)ER100L-LG		10.5	5.5	4.7	16.4	7.9	11.2 x 4	573	571	7.4
10	(N)ER100S		11.2	11	4.7 x 2	16.4 x 2	7.9 x 2	11.2 x 4	668	666	7.4
15	(N)ER150S		12.1	7.5	4.7 x 2	16.4 x 2	7.9 x 2	11.2 x 6	891	886	11.4
20	(N)ER200S			5.5	4.7 x 2	16.4 x 2	7.9 x 2	11.2 x 8	1049	1045	14.8

*Available lug mount only. Push button cord dimension (L) is to center of lug hole.

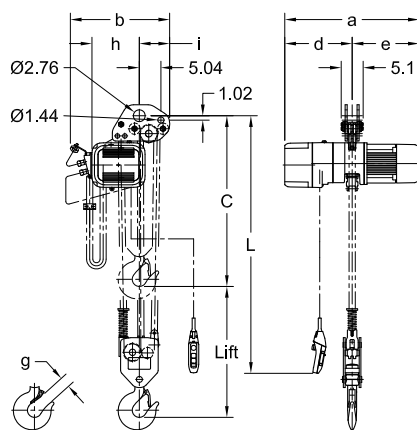
SINGLE SPEED — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)		b (in)	d (in)		e (in)		g (in)	h (in)	i (in)
			NER	ER		NER	ER	NER	ER			
8	(N)ER080S	40.3	28.9	32.5	23.2	13.2	16.8	15.7	16.8	2.5	11.1	7.1
10	(N)ER100L	53.9	28.9	32.5	38.3	13.2	16.8	15.7	16.8	3.2	13.3	20.0
10	(N)ER100L-LG	40.9	28.9	32.5	26.9	13.2	16.8	15.7	16.8	3.2	13.3	8.5
10	(N)ER100S	53.9	31.4	33.6	33.4	15.7	16.8	15.7	16.8	3.2	-	-
15	(N)ER150S	62.8	31.4	33.6	40.2	15.7	16.8	15.7	16.8	3.4	-	-
20	(N)ER200S	67.3	31.4	33.6	47.2	15.7	16.8	15.7	16.8	4.1	-	-

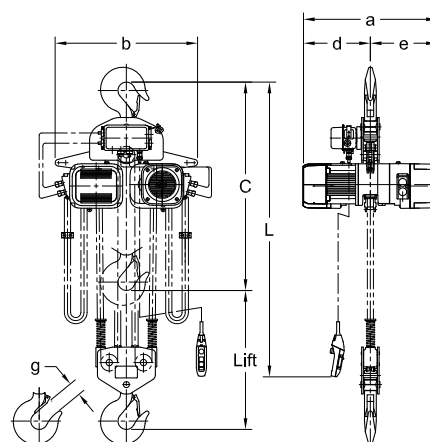
NER/ER Large Capacity Electric Chain Hoists with Hook and Lug Suspensions



NER/ER100SD
 (Shown with optional
 canvas chain containers)



NER/ER080SD



NER/ER100SD

DUAL SPEED — SPECIFICATIONS

Cap. (Tons)	Product Code	Std. Lift (ft)	Push Button Cord L (ft)	Lifting Speed (ft/min)	Lifting Motor** 3 Phase 60 Hz			Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)		Weight for Additional One Foot of Lift (lbs)
					Output (Hp)	Rated Current (amps)					
						@208 – 230V	@460V		NER	ER	
8	(N)ER080SD*	10	10.5	7.5/2.5	4.7	17.3	8.3	11.2 x 3	358	366	5.5
10	(N)ER100LD		11.2	5.5/2	4.7	17.3	8.3	11.2 x 4	609	622	7.4
10	(N)ER100LD-LG		10.5	5.5/2	4.7	17.3	8.3	11.2 x 4	569	578	7.4
10	(N)ER100SD		11.2	11/3.5	4.7 x 2	17.3 x 2	8.3 x 2	11.2 x 4	650	677	7.4
15	(N)ER150SD		12.1	7.5/2.5	4.7 x 2	17.3 x 2	8.3 x 2	11.2 x 6	873	899	11.4
20	(N)ER200SD			5.5/2	4.7 x 2	17.3 x 2	8.3 x 2	11.2 x 8	1032	1058	14.8

*Available lug mount only. Push button cord dimension (L) is to center of lug hole.

**Although both 208/230 & 460 Volts are shown together, the motors are NOT reconnectable.
 Speed ratio is 3:1 with adjustability up to 12:1.

DUAL SPEED — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)		b (in)	d (in)		e (in)		g (in)	h (in)	i (in)
			NER	ER		NER	ER	NER	ER			
8	(N)ER080SD	40.3	31.5	32.5	23.2	15.8	16.8	15.7	15.7	2.5	11.1	7.1
10	(N)ER100LD	53.9	31.5	32.5	38.3	15.8	16.8	15.7	15.7	3.2	13.3	20.0
10	(N)ER100LD-LG	40.9	31.5	32.5	26.9	15.8	16.8	15.7	15.7	3.2	13.3	8.5
10	(N)ER100SD	53.9	31.5	33.6	33.4	15.8	16.8	15.8	16.8	3.2	-	-
15	(N)ER150SD	62.8	31.5	33.6	40.2	15.8	16.8	15.8	16.8	3.4	-	-
20	(N)ER200SD	67.3	31.5	33.6	47.2	15.8	16.8	15.8	16.8	4.1	-	-

Speed ratio is 3:1 with adjustability up to 12:1.

NERM/ERM Large Capacity Electric Chain Hoists with Motorized Trolleys



NERM/ERM100S-L
 (Shown with optional
 canvas chain containers)

MR trolleys are suitable for harsh or outdoor applications and easily couple with NER/ER large capacity hoists for the heaviest lifting and traversing requirements. Features include thermal motor protection, side guide rollers for smooth operation and plug in electrical connections.

Features and Benefits

UL® Listed**

Certified and listed to UL 1340 "Standard for Hoists."

Perpendicular Orientation

MR motorized trolley mount hoists are configured as perpendicular to the beam.

Green Initiative

Built smarter without the use of harmful materials. Environmentally friendly. RoHS compliant.

Heavy-Duty Hook Latches

Standard

High Air Flow

Cooler motor and brake attributed to an engineered motor fin, fan blade and fan cover design.

Unique Load Sheave

Increased number of pockets reduce chain vibration and increase chain life. 5 pockets standard.

Extended Chain Life

Decreased chain wear as a result of a revolutionary heat treatment process, improved material and chain size.

Limit Switches

Low-profile upper and lower limit switches are standard.

Contactors

Mechanically interlocked, heavy-duty contactors on single speed models.

Friction Clutch and Load Brake

Friction clutch is standard on NER/ER models and friction clutch with mechanical load brake standard on ER models. Carbon friction material provides consistent performance over a wide temperature range.

Dual Speed VFD

Under-the-cover VFD standard for dual speed hoists. Speed ratio is 3:1 with adjustability up to 12:1.

High Strength, Corrosion and Wear Resistant Load Chain

Grade 80, super strength, nickel-plated load chain, certified to DIN standards, uses unique technology to greatly increase resistance to fatigue and wear.

Standard Count Hour Meter

Records and displays the number of lowering starts and hoist on time which is valuable for preventive maintenance. Integral to VFD on dual speed models.

"The Guardian": Smart Brake Technology

A current driven electromagnetic brake does not release unless the motor is energized. 10 year hoist brake warranty.

Pendant Controls

Ergonomic design for operator comfort. Red button emergency stop is standard on all 4-button pendants.

Standard Motorized Trolley Specifications

Capacity Range

8 Ton – 20 Ton
 (See page 14 for 1/8 – 5 Ton)

Standard Voltage

208-230/460-3-60
 Optional voltages available
 Dual speed models are not reconnectable

Control Voltage

110V (optional 24V)

Duty Cycle*

Single Speed – 30 Min.
 Dual Speed – 30 Min. with VFD

Classification*

ASME H4
 ISO M4
 FEM 2M or 1Am

Ratings

Trolley – IP55
 Pendant – IP65

Standard Power Supply Length

30' (longer lengths available)

Shafts

Standard shafts fit wide flange range
 Longer shafts for wider beams
 Spacers for easy adjustments

Standard Pendants

4-button (momentary contacts) with emergency On/Off (maintained contacts)

Drop Stops

Standard

Standard Pendant Drop

4' less than lift
 (longer drops available)

Bumpers

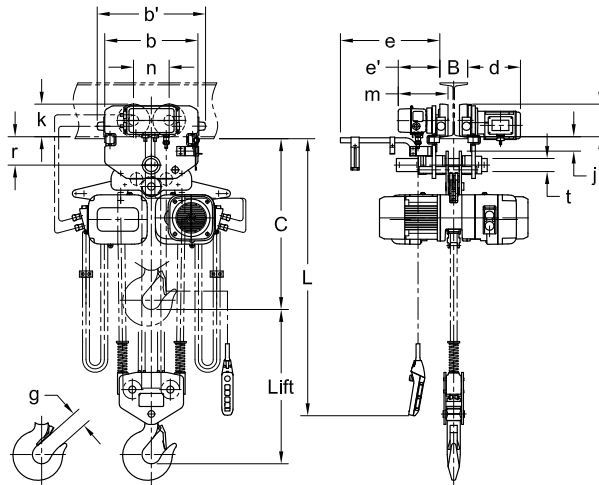
Standard

Wheels

All steel
 Shielded ball bearings
 Fit flat or tapered beam flange

*See page 56 for additional information.

**Most models shipped with UL listing. Contact Customer Service for listed models.



NERM/ERM100S-L

NERM/ERM100S-L
(Shown with optional
canvas chain containers)

SINGLE SPEED HOIST WITH SINGLE SPEED TROLLEY — SPECIFICATIONS

Cap. (Tons)	Product Code	Std. Lift (ft)	Push Button Cord L (ft)	Lifting Speed (ft/min)	Traversing Speed (ft/min)	Lifting Motor 3 Phase 60 Hz			Traversing Motor 3 Phase 60 Hz			Flange Width Adjustability B (in)		Minimum Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)		Weight for Additional One Foot of Lift (lbs)
						Output (Hp)	Rated Current (amps) @208- 230V	Rated Current (amps) @460V	Output (Hp)	Rated Current (amps) @208- 230V	Rated Current (amps) @460V	Standard	Optional			NER	ER	
8	(N)ERM080S-L	10	10.8	7.5	40	4.7	16.4	7.9	1.0	5.1	2.5	5.50 to 8.66	8.67 to 12.00	98.4	11.2 x 3	624	622	5.5
10	(N)ERM100L-L			5.5		4.7	16.4	7.9	1.0	5.1	2.5			98.4	11.2 x 4	833	831	7.4
10	(N)ERM100S-L			11		4.7 x 2	16.4 x 2	7.9 x 2	1.0	5.1	2.5			98.4	11.2 x 4	880	877	7.4
15	(N)ERM150S-L			7.5		4.7 x 2	16.4 x 2	7.9 x 2	1.0 x 2	5.1 x 2	2.5 x 2			:	11.2 x 6	1259	1254	11.4
20	(N)ERM200S-L			5.5		4.7 x 2	16.4 x 2	7.9 x 2	1.0 x 2	5.1 x 2	2.5 x 2			:	11.2 x 8	1482	1479	14.8

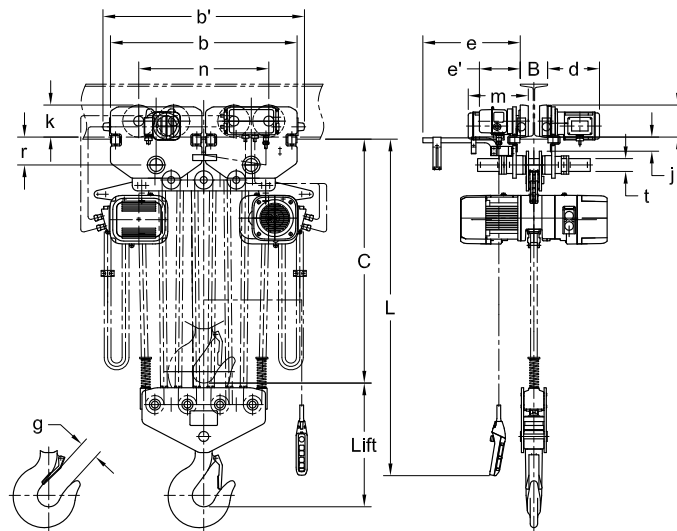
SINGLE SPEED HOIST WITH SINGLE SPEED TROLLEY — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	b (in)	b' (in)	d (in)	e (in)	e' (in)	g (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
8	(N)ERM080S-L	45.9	19.7	22.9	11.2	20.9	8.8	2.5	6.89	3.4	6.9	10.5	7.5	6.0	2.76
10	(N)ERM100L-L	46.5	19.7	22.9	11.2	20.9	8.8	3.2	6.89	3.1	6.9	10.5	7.5	6.0	2.76
10	(N)ERM100S-L	46.5	19.7	22.9	11.2	20.9	8.8	3.2	6.89	3.1	6.9	10.5	7.5	6.0	2.76
15	(N)ERM150S-L	51.6	40.2	43.4	11.2	20.9	8.8	3.4	6.89	3.2	6.9	10.5	28.0	6.0	2.76
20	(N)ERM200S-L	53.0	40.2	43.4	11.2	20.9	8.8	4.1	6.89	3.1	6.9	10.5	28.0	6.0	2.76

NERM/ERM Large Capacity Electric Chain Hoists with Motorized Trolleys



NERM/ERM100SD-L
 (Shown with optional
 canvas chain containers)



NERM/ERM200SD-L

DUAL SPEED HOIST WITH SINGLE SPEED TROLLEY — SPECIFICATIONS

Cap. (Tons)	Product Code	Std. Lift (ft)	Push Button Cord L (ft)	Lifting Speed (ft/min)	Traversing Speed (ft/min)	Lifting Motor** 3 Phase 60 Hz			Traversing Motor 3 Phase 60 Hz			Flange Width Adjustability B (in)		Minimum Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)		Weight for Additional One Foot of Lift (lbs)
						Output (Hp)	Rated Current (amps)		Output (Hp)	Rated Current (amps)								
							@208— 230V	@460V		@208— 230V	@460V	Standard	Optional					
8	(N)ERM080SD-L	10	10.8	7.5/2.5	40	4.7	17.3	8.3	1.0	5.1	2.5	5.50 to 8.66	8.67 to 12.00	98.4	11.2 x 3	615	628	5.5
10	(N)ERM100LD-L			5.5/2		4.7	17.3	8.3	1.0	5.1	2.5			98.4	11.2 x 4	825	838	7.4
10	(N)ERM100SD-L			11/3.5		4.7 x 2	17.3 x 2	8.3 x 2	1.0	5.1	2.5			98.4	11.2 x 4	862	888	7.4
15	(N)ERM150SD-L			7.5/2.5		4.7 x 2	17.3 x 2	8.3 x 2	1.0 x 2	5.1 x 2	2.5 x 2			∞	11.2 x 6	1241	1268	11.4
20	(N)ERM200SD-L			5.5/2		4.7 x 2	17.3 x 2	8.3 x 2	1.0 x 2	5.1 x 2	2.5 x 2			∞	11.2 x 8	1367	1393	14.8

**Although both 208/230 & 460 Volts are shown together, the motors are NOT reconnectable.
 Speed ratio is 3:1 with adjustability up to 12:1.

DUAL SPEED HOIST WITH SINGLE SPEED TROLLEY — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	b (in)	b' (in)	d (in)	e (in)	e' (in)	g (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
8	(N)ERM080SD-L	45.9	19.7	22.9	11.2	20.9	8.8	2.5	6.89	3.4	6.9	10.5	7.5	6.0	2.76
10	(N)ERM100LD-L	46.5	19.7	22.9	11.2	20.9	8.8	3.2	6.89	3.1	6.9	10.5	7.5	6.0	2.76
10	(N)ERM100SD-L	46.5	19.7	22.9	11.2	20.9	8.8	3.2	6.89	3.1	6.9	10.5	7.5	6.0	2.76
15	(N)ERM150SD-L	51.6	40.2	43.4	11.2	20.9	8.8	3.4	6.89	3.2	6.9	10.5	28.0	6.0	2.76
20	(N)ERM200SD-L	53.0	40.2	43.4	11.2	20.9	8.8	4.1	6.89	3.1	6.9	10.5	28.0	6.0	2.76

Speed ratio is 3:1 with adjustability up to 12:1.

NERP/ERP and NERG/ERG Large Capacity Electric Chain Hoists with Push or Geared Trolleys



NERP/ERP080S
 (Shown with
 optional canvas
 chain container)

Harrington's PT push and GT geared trolleys provide added mobility to NERP/ER hoists and feature a compact, lightweight design for ease of installation and use. Manual trolleys are the best choice for jobs requiring infrequent moves.

Features and Benefits

UL® Listed**

Certified and listed to UL 1340 "Standard for Hoists."

Perpendicular Orientation

PT push trolley mount hoists are configured as perpendicular to the beam.

Green Initiative

Built smarter without the use of harmful materials. Environmentally friendly. RoHS compliant.

Heavy-Duty Hook Latches

Standard

High Air Flow

Cooler motor and brake attributed to an engineered motor fin, fan blade and fan cover design.

Extended Chain Life

Decreased chain wear as a result of a revolutionary heat treatment process, improved material and chain size.

Unique Load Sheave

Increased number of pockets reduce chain vibration and increase chain life. 5 pockets standard.

Limit Switches

Low-profile upper and lower limit switches are standard.

Contactors

Mechanically interlocked, heavy-duty contactors on single speed models.

Friction Clutch and Load Brake

Friction clutch is standard on NERP/ER models and friction clutch with mechanical load brake standard on ER models. Carbon friction material provides consistent performance over a wide temperature range.

Dual Speed VFD

Under-the-cover VFD standard for dual speed hoists. Speed ratio is 3:1 with adjustability up to 12:1.

High Strength, Corrosion and Wear Resistant Load Chain

Grade 80, super strength, nickel-plated load chain, certified to DIN standards, uses unique technology to greatly increase resistance to fatigue and wear.

Standard Count Hour Meter

Records and displays the number of lowering starts and hoist on time which is valuable for preventive maintenance. Integral to VFD on dual speed models.

"The Guardian": Smart Brake Technology

A current driven electromagnetic brake does not release unless the motor is energized. 10 year hoist brake warranty.

Pendant Controls

Ergonomic design for operator comfort. Red button emergency stop is standard on all 2-button dual speed pendants.

Standard Trolley Specifications

Capacity Range

Push – 8 Ton – 10 Ton
 Geared – 8 Ton – 20 Ton
 (See page 22 for 1/8 – 5 Ton)

Shafts

Standard shafts fit wide flange range
 Longer shafts for wider beams
 Spacers for easy adjustments

Drop Stops

Standard

Bumpers

Optional

Standard Hand Chain Drop

On geared trolleys
 2' less than lift (longer drops available)

Wheels

All steel
 Shielded ball bearings
 Fit flat or tapered beam flange

Standard Hoist Pendant Drop

4' less than lift
 (longer drops available)

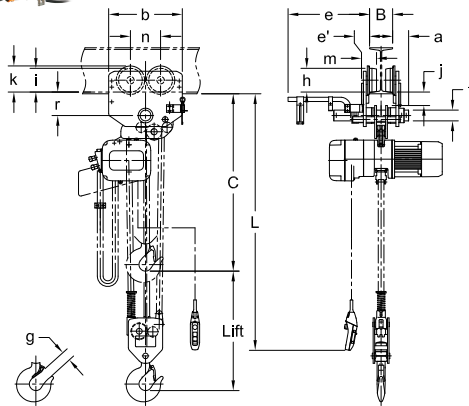
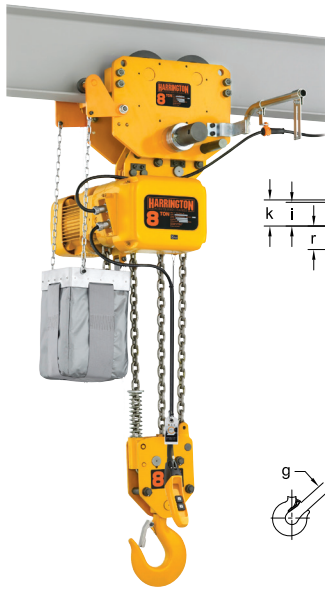
Standard Hoist Power Supply Length

30' (longer lengths available)

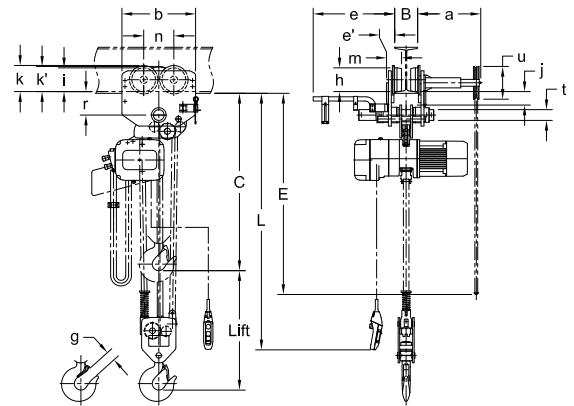
Standard Pendants

Single speed: 2-button (momentary contacts)
 Dual speed: 2-button (momentary contacts) with emergency On/Off (maintained contacts)

**Most models shipped with UL listing. Contact Customer Service for listed models.



NERP/ERP080S



NERG/ERG080S

NERP/ERP080S
(Shown with optional
canvas chain container)

SINGLE SPEED HOIST WITH PUSH OR GEARED TROLLEY — SPECIFICATIONS

Cap. (Tons)	Product Code	Std. Lift (ft)	Push Button Cord L (ft)	Lifting Speed (ft/min)	Lifting Motor 3 Phase 60 Hz			Flange Width Adjustability B (in)		Minimum Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)		Weight for Additional One Foot of Lift (lbs)
					Output (Hp)	Rated Current (amps)						NER	ER	
						@208 – 230V	@460V	Standard	Optional					
8	(N)ERP(ERG)080S	10	10.8	7.5	4.7	16.4	7.9	5.50 to 8.66	8.67 to 12.00	118.1	11.2 x 3	536 (604)	534 (602)	5.5 (6.3)
10	(N)ERP(ERG)100L			5.5	4.7	16.4	7.9			118.1	11.2 x 4	747 (816)	745 (814)	7.4 (8.1)
10	(N)ERP(ERG)100S			11	4.7 x 2	16.4 x 2	7.9 x 2			118.1	11.2 x 4	805 (873)	802 (871)	7.4 (8.1)
15	(N)ERG150S			7.5	4.7 x 2	16.4 x 2	7.9 x 2			∞	11.2 x 6	1246	1241	12.8
20	(N)ERG200S			5.5	4.7 x 2	16.4 x 2	7.9 x 2			∞	11.2 x 8	1371	1369	16.1

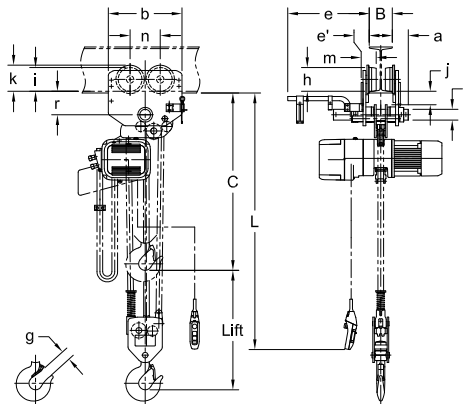
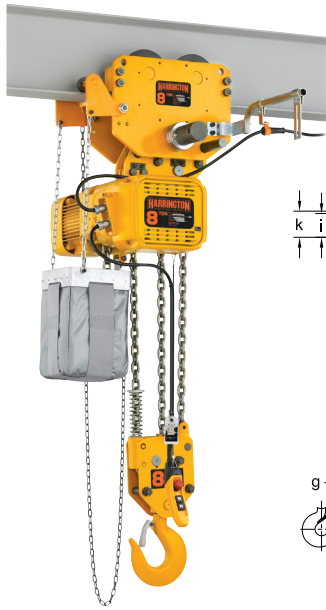
Figures in parentheses are data for geared trolley.

SINGLE SPEED HOIST WITH PUSH TROLLEY — DIMENSIONS

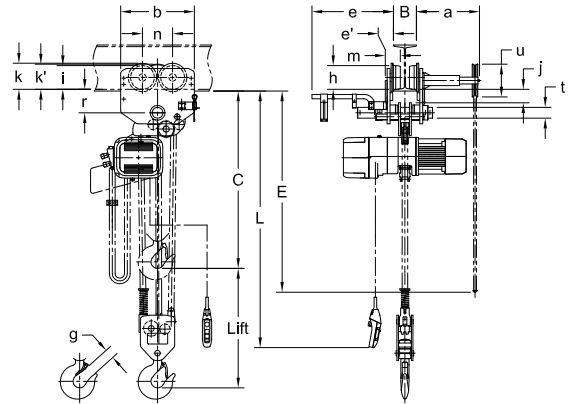
Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	e (in)	e' (in)	g (in)	h (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
8	(N)ERP080S	45.9	4.1	18.9	20.9	1.6	2.5	7.3	6.10	3.4	6.7	3.4	7.7	6.0	2.76
10	(N)ERP100L	46.5	4.1	18.9	20.9	1.6	3.2	7.3	6.10	3.1	6.7	3.4	7.7	6.0	2.76
10	(N)ERP100S	46.5	4.1	18.9	20.9	8.8	3.2	7.3	6.10	3.1	6.7	10.6	7.7	6.0	2.76

SINGLE SPEED HOIST WITH GEARED TROLLEY — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	E (ft)	a (in)	b (in)	e (in)	e' (in)	g (in)	h (in)	i (in)	j (in)	k (in)	k' (in)	m (in)	n (in)	r (in)	t (in)	u (in)
8	(N)ERG080S	45.9	10.5	16.2	18.9	20.9	1.6	2.5	7.3	6.10	3.4	6.7	6.5	3.4	7.7	6.0	2.76	8.4
10	(N)ERG100L	46.5	10.5	16.2	18.9	20.9	1.6	3.2	7.3	6.10	3.1	6.7	6.5	3.4	7.7	6.0	2.76	8.4
10	(N)ERG100S	46.5	10.5	16.2	18.9	20.9	8.8	3.2	7.3	6.10	3.1	6.7	6.5	10.6	7.7	6.0	2.76	8.4
15	(N)ERG150S	51.6	12.1	16.2	39.4	20.9	8.8	3.4	7.3	6.10	3.2	6.7	6.5	10.6	28.2	6.0	2.76	8.4
20	(N)ERG200S	53.0	12.1	16.2	39.4	20.9	8.8	4.1	7.3	6.10	3.1	6.7	6.5	10.6	28.2	6.0	2.76	8.4



NERG/ERP080SD



NERG/ERG080SD

NERG/ERG080SD
 (Shown with optional
 canvas chain container)

DUAL SPEED HOIST WITH PUSH OR GEARED TROLLEY — SPECIFICATIONS

Cap. (Tons)	Product Code	Std. Lift (ft)	Push Button Cord L (ft)	Lifting Speed (ft/min)	Lifting Motor 3 Phase 60 Hz**			Flange Width Adjustability B (in)		Minimum Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)		Weight for Additional One Foot of Lift (lbs)
					Output (Hp)	Rated Current (amps)						NER	ER	
						@208 – 230V	@460V	Standard	Optional					
8	(N)ERP(ERG)080SD	10	10.8	7.5/2.5	4.7	17.3	8.3	5.50 to 8.66	8.67 to 12.00	118.1	11.2 x 3	527 (595)	541 (609)	5.5 (6.3)
10	(N)ERP(ERG)100LD			5.5/2	4.7	17.3	8.3			118.1	11.2 x 4	738 (807)	752 (821)	7.4 (8.1)
10	(N)ERP(ERG)100SD			11/3.5	4.7 x 2	17.3 x 2	8.3 x 2			118.1	11.2 x 4	787 (855)	809 (884)	7.4 (8.1)
15	(N)ERG150SD			7.5/2.5	4.7 x 2	17.3 x 2	8.3 x 2			∞	11.2 x 6	1228	1254	12.8
20	(N)ERG200SD			5.5/2	4.7 x 2	17.3 x 2	8.3 x 2			∞	11.2 x 8	1353	1382	16.1

Figures in parentheses are data for geared trolley.

**Although both 208/230 & 460 Volts are shown together, the motors are NOT reconnectable.

DUAL SPEED HOIST WITH PUSH TROLLEY — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	e (in)	e' (in)	g (in)	h (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
8	(N)ERP080SD	45.9	4.1	18.9	20.9	1.6	2.5	7.3	6.10	3.4	6.7	3.4	7.7	6.0	2.76
10	(N)ERP100LD	46.5	4.1	18.9	20.9	1.6	3.2	7.3	6.10	3.1	6.7	3.4	7.7	6.0	2.76
10	(N)ERP100SD	46.5	4.1	18.9	20.9	8.8	3.2	7.3	6.10	3.1	6.7	10.6	7.7	6.0	2.76

DUAL SPEED HOIST WITH GEARED TROLLEY — DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	E (ft)	a (in)	b (in)	e (in)	e' (in)	g (in)	h (in)	i (in)	j (in)	k (in)	k' (in)	m (in)	n (in)	r (in)	t (in)	u (in)
8	(N)ERG080SD	45.9	10.5	16.2	18.9	20.9	1.6	2.5	7.3	6.10	3.4	6.7	6.5	3.4	7.7	6.0	2.76	8.4
10	(N)ERG100LD	46.5	10.5	16.2	18.9	20.9	1.6	3.2	7.3	6.10	3.1	6.7	6.5	3.4	7.7	6.0	2.76	8.4
10	(N)ERG100SD	46.5	10.5	16.2	18.9	20.9	8.8	3.2	7.3	6.10	3.1	6.7	6.5	10.6	7.7	6.0	2.76	8.4
15	(N)ERG150SD	51.6	12.1	16.2	39.4	20.9	8.8	3.4	7.3	6.10	3.2	6.7	6.5	10.6	7.7	6.0	2.76	8.4
20	(N)ERG200SD	53.0	12.1	16.2	39.4	20.9	8.8	4.1	7.3	6.10	3.1	6.7	6.5	10.6	7.7	6.0	2.76	8.4

Speed ratio is 3:1 with adjustability up to 12:1.