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 fan, 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
Fricton 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.

*See page 59 for additional information.
** Most models shipped with UL listing. Contact Customer Service for listed models.
### Single Speed — Specifications

<table>
<thead>
<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Std. Lift (ft)</th>
<th>Push Button Cord L (ft)</th>
<th>Lifting Speed (ft/min)</th>
<th>Output (Hp)</th>
<th>Lifting Motor 3 Phase 60 Hz</th>
<th>Rated Current (amps)</th>
<th>Load Chain Diameter (mm) x Chain Fall Lines</th>
<th>Net Weight (lbs)</th>
<th>Weight for Additional One Foot of Lift (lbs)</th>
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*Available lug mount only. Push button cord dimension (L) is to center of lug hole.

### Single Speed — Dimensions

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<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Headroom C (in)</th>
<th>a (in)</th>
<th>b (in)</th>
<th>d (in)</th>
<th>e (in)</th>
<th>g (in)</th>
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NER/ER080S (Shown with optional canvas chain containers)
NER/ER Large Capacity Electric Chain Hoists
with Hook and Lug Suspensions

DUAL SPEED — SPECIFICATIONS

<table>
<thead>
<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Std. Lift (ft)</th>
<th>Push Button Cord L (ft)</th>
<th>Lifting Speed (ft/min)</th>
<th>Output (Hp)</th>
<th>Rated Current (amps) @208 – 230V</th>
<th>Rated Current (amps) @460V</th>
<th>Load Chain Diameter (mm)</th>
<th>Net Weight (lbs)</th>
<th>Weight for Additional One Foot of Lift (lbs)</th>
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</table>

*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

<table>
<thead>
<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Headroom C (in)</th>
<th>a (in)</th>
<th>b (in)</th>
<th>d (in)</th>
<th>e (in)</th>
<th>g (in)</th>
<th>h (in)</th>
<th>i (in)</th>
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<td>16.8</td>
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<td>31.5</td>
<td>33.6</td>
<td>33.4</td>
<td>15.8</td>
<td>16.8</td>
<td>15.8</td>
<td>16.8</td>
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<tr>
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<td>33.6</td>
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<td>16.8</td>
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<td>15.8</td>
<td>16.8</td>
<td>15.8</td>
<td>16.8</td>
</tr>
</tbody>
</table>

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

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*See page 59 for additional information.
**Most models shipped with UL listing. Contact Customer Service for listed models.
**SINGLE SPEED HOIST WITH SINGLE SPEED TROLLEY — SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Std. Lift (ft)</th>
<th>Push Button Cord L (ft)</th>
<th>Lifting Speed (ft/min)</th>
<th>Traversing Speed (ft/min)</th>
<th>Lifting Motor 3 Phase 60 Hz</th>
<th>Traversing Motor 3 Phase 60 Hz</th>
<th>Flange Width Adjustability B (in)</th>
<th>Minimum Allow. Radius for Curve (in)</th>
<th>Chain Fall Lines</th>
<th>Load Chain Diameter (mm)</th>
<th>Net Weight (lbs)</th>
<th>Weight for Additional One Foot of Lift (lbs)</th>
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<td>10.8</td>
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<td>11.2 x 3</td>
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**SINGLE SPEED HOIST WITH SINGLE SPEED TROLLEY — DIMENSIONS**

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<th>Product Code</th>
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<th>b’ (in)</th>
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<td>8.8</td>
<td>4.1</td>
<td>6.89</td>
<td>3.1</td>
<td>6.9</td>
<td>10.5</td>
<td>10.5</td>
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NERM/ERM Large Capacity Electric Chain Hoists with Motorized Trolleys

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

DUAL SPEED HOIST WITH SINGLE SPEED TROLLEY — SPECIFICATIONS

<table>
<thead>
<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Std. Lift (ft)</th>
<th>Push Button Cord L (ft)</th>
<th>Std. Lift (ft/min)</th>
<th>Traversing Speed (ft/min)</th>
<th>Lifting Motor**</th>
<th>Traversing Motor 3 Phase 60 Hz</th>
<th>Flange Width Adjustability</th>
<th>Minimum Allow. Radius for Curve (in)</th>
<th>Chain Fall Lines</th>
<th>Load Chain Diameter (mm) x Lines</th>
<th>Net Weight (lbs)</th>
<th>Weight for Additional One Foot of Lift (lbs)</th>
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<td>8.3</td>
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<td>98.4</td>
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<td>8.3</td>
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<td>98.4</td>
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<td>8.3 x 2</td>
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<td>8.3 x 2</td>
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<td>5.1</td>
<td>2.5</td>
<td>98.4</td>
<td>11.2 x 3</td>
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</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Headroom C (in)</th>
<th>b (in)</th>
<th>b’ (in)</th>
<th>d (in)</th>
<th>e (in)</th>
<th>e’ (in)</th>
<th>g (in)</th>
<th>i (in)</th>
<th>j (in)</th>
<th>k (in)</th>
<th>m (in)</th>
<th>n (in)</th>
<th>r (in)</th>
<th>t (in)</th>
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<td>6.9</td>
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<td>7.5</td>
<td>6.0</td>
<td>2.76</td>
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<tr>
<td>10</td>
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<td>19.7</td>
<td>22.9</td>
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<td>20.9</td>
<td>8.8</td>
<td>3.2</td>
<td>6.89</td>
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<td>6.9</td>
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<td>7.5</td>
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<td>11.2</td>
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<td>8.8</td>
<td>3.2</td>
<td>6.89</td>
<td>3.1</td>
<td>6.9</td>
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<td>7.5</td>
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<td>8.8</td>
<td>3.4</td>
<td>6.89</td>
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<td>6.9</td>
<td>10.5</td>
<td>28.0</td>
<td>6.0</td>
<td>2.76</td>
</tr>
<tr>
<td>20</td>
<td>(N)ERM200SD-L</td>
<td>53.0</td>
<td>40.2</td>
<td>43.4</td>
<td>11.2</td>
<td>20.9</td>
<td>8.8</td>
<td>4.1</td>
<td>6.89</td>
<td>3.1</td>
<td>6.9</td>
<td>10.5</td>
<td>28.0</td>
<td>6.0</td>
<td>2.76</td>
</tr>
</tbody>
</table>

Speed ratio is 3:1 with adjustability up to 12:1.
Harrington’s PT push and GT geared trolleys provide added mobility to NER/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**

**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

**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 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 2-button dual speed pendants.

**Standard Trolley Specifications**

**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**

**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.

**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)

**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.
### SINGLE SPEED HOIST WITH PUSH OR GEARED TROLLEY — SPECIFICATIONS

<table>
<thead>
<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Std. Lift (ft)</th>
<th>Push Button Cord L (ft)</th>
<th>Lifting Speed (ft/min)</th>
<th>Output (Hp)</th>
<th>@208 – 230V (amps)</th>
<th>@460V (amps)</th>
<th>Flange Width Adjustability (in)</th>
<th>Minimum Allow. Radius for Curve (in) x Chain Fall Lines</th>
<th>Load Chain Diameter (mm) x Chain Fall Lines</th>
<th>Net Weight (lbs)</th>
<th>Weight for Additional One Foot of Lift (lbs)</th>
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<td>10.8</td>
<td>7.5</td>
<td>4.7</td>
<td>16.4</td>
<td>7.9</td>
<td>5.50 to 8.66</td>
<td>8.67 to 12.00</td>
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<td>802 (871)</td>
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*Figures in parentheses are data for geared trolley.*

### SINGLE SPEED HOIST WITH PUSH TROLLEY — DIMENSIONS

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<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Headroom C (in)</th>
<th>a (in)</th>
<th>b (in)</th>
<th>e (in)</th>
<th>e' (in)</th>
<th>g (in)</th>
<th>h (in)</th>
<th>i (in)</th>
<th>j (in)</th>
<th>k (in)</th>
<th>m (in)</th>
<th>n (in)</th>
<th>r (in)</th>
<th>t (in)</th>
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<td>7.7</td>
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<td>10 (N) ERP/ERP100L</td>
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<td>20.9</td>
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### SINGLE SPEED HOIST WITH GEARED TROLLEY — DIMENSIONS

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<th>b (in)</th>
<th>e (in)</th>
<th>e' (in)</th>
<th>g (in)</th>
<th>h (in)</th>
<th>i (in)</th>
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<th>k (in)</th>
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<th>m (in)</th>
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<th>r (in)</th>
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<td>7.7</td>
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<td>16.2</td>
<td>18.9</td>
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<td>6.7</td>
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<td>2.76</td>
<td>8.4</td>
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### Dual Speed Hoist with Push or Geared Trolley — Specifications

<table>
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<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Std. Lift (ft)</th>
<th>Push Button Cord L (ft)</th>
<th>Lifting Speed (ft/min)</th>
<th>Lifting Motor 3 Phase 60 Hz**</th>
<th>Flange Width Adjustability</th>
<th>Minimum Allow. Radius for Curve (in)</th>
<th>Load Chain Diameter (mm) x Chain Fall Lines</th>
<th>Net Weight (lbs)</th>
<th>Weight for Additional One Foot of Lift (lbs)</th>
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</thead>
<tbody>
<tr>
<td>8</td>
<td>(N)ERP/ERG080SD</td>
<td>10</td>
<td>10.8</td>
<td>7.5/2.5</td>
<td>4.7</td>
<td>17.3</td>
<td>8.3</td>
<td>Standard Optional</td>
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<td>17.3 x 2</td>
<td>8.3</td>
<td>5.5 to 8.66</td>
<td>8.67 to 12.00</td>
<td>NER 11.2 x 3</td>
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<td>738 (807) 752 (821) 7.4 (8.1)</td>
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<td>17.3 x 2</td>
<td>8.3</td>
<td>x</td>
<td>8.67 to 12.00</td>
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<td>17.3 x 2</td>
<td>8.3</td>
<td>x</td>
<td>8.67 to 12.00</td>
<td>NER 11.2 x 8</td>
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<td>1228 1254 12.8</td>
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<td>8.67 to 12.00</td>
<td>NER 11.2 x 8</td>
<td>1353</td>
<td>1382 16.1</td>
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*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

<table>
<thead>
<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Headroom C (in)</th>
<th>a (in)</th>
<th>b (in)</th>
<th>e (in)</th>
<th>e' (in)</th>
<th>g (in)</th>
<th>h (in)</th>
<th>i (in)</th>
<th>j (in)</th>
<th>k (in)</th>
<th>m (in)</th>
<th>n (in)</th>
<th>r (in)</th>
<th>t (in)</th>
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<td>4.1</td>
<td>18.9</td>
<td>20.9</td>
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<td>2.5</td>
<td>7.3</td>
<td>6.10</td>
<td>3.4</td>
<td>6.7</td>
<td>3.4</td>
<td>7.7</td>
<td>6.0</td>
<td>2.76</td>
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<td>20.9</td>
<td>1.6</td>
<td>3.2</td>
<td>7.3</td>
<td>6.10</td>
<td>3.1</td>
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<td>3.4</td>
<td>7.7</td>
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<td>2.76</td>
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<td>(N)ERP100SD</td>
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<td>20.9</td>
<td>8.8</td>
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<td>10.6</td>
<td>7.7</td>
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<td>2.76</td>
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</table>

### Dual Speed Hoist with Geared Trolley — Dimensions

<table>
<thead>
<tr>
<th>Cap. (Tons)</th>
<th>Product Code</th>
<th>Headroom C (in)</th>
<th>E (ft)</th>
<th>a (in)</th>
<th>b (in)</th>
<th>e (in)</th>
<th>e' (in)</th>
<th>g (in)</th>
<th>h (in)</th>
<th>i (in)</th>
<th>j (in)</th>
<th>k (in)</th>
<th>m (in)</th>
<th>n (in)</th>
<th>r (in)</th>
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<td>7.7</td>
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<td>2.76</td>
</tr>
</tbody>
</table>

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