



MODEL
EC

Electrical Cover —

Quick removal for easy access to motor and all electrical connections.

Hoist Motor —

High torque, H4 duty class motor with class F insulation; 60 hertz standard, 50 hertz available. Optional Variable Frequency Drives, or 2-speed motor available.

Suspension —

Easily changed from hook to lug, for use with plain, geared, or motorized trolley.

Chain Guide —

Resists jamming and keeps chain aligned with load sheave.

Internal Strain Relief —

Provides support for push button station.

Ergonomic Push Button Control —

Impact and chemical/corrosive atmosphere resistant. Our push button station fits operator's hand for thumb or two-handed operation. 24 Volt Control standard for operator safety. 115 Volt Control available upon request. NEMA 3R (weather resistant) standard.

Steel Chain —

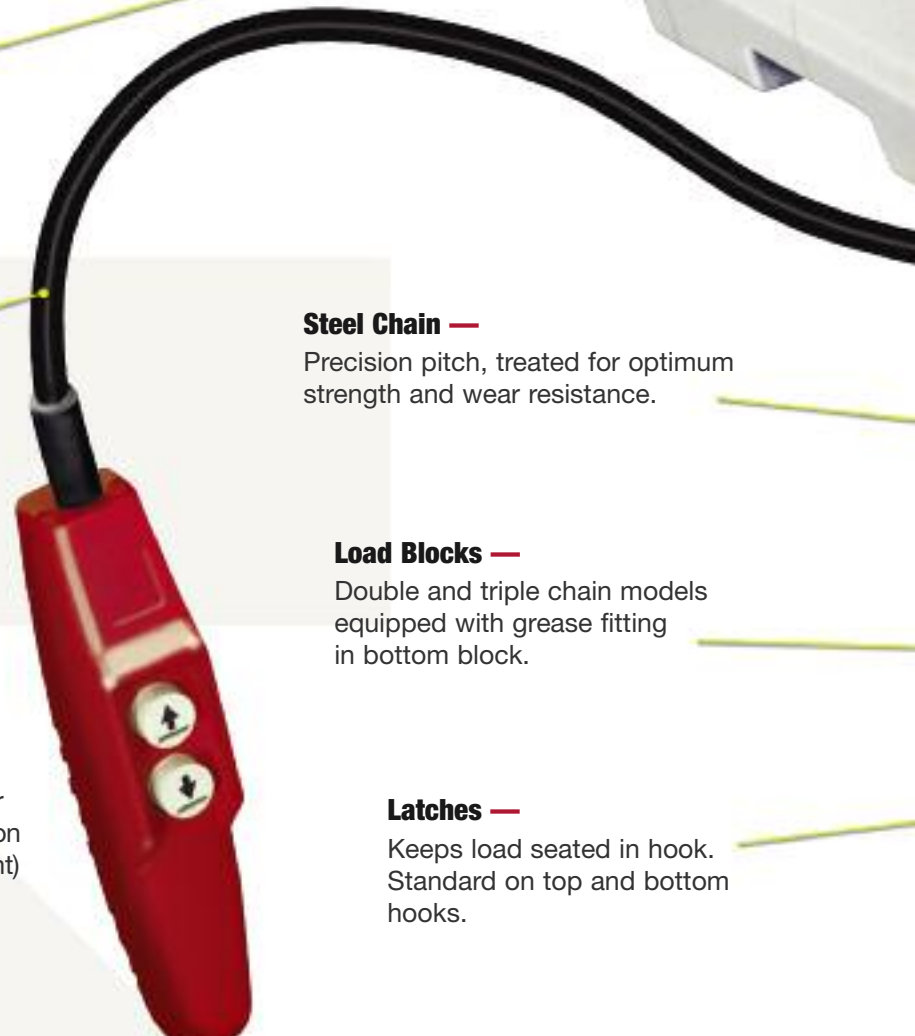
Precision pitch, treated for optimum strength and wear resistance.

Load Blocks —

Double and triple chain models equipped with grease fitting in bottom block.

Latches —

Keeps load seated in hook. Standard on top and bottom hooks.



Alloy Steel Gears —

Precision machined and lubricated in oil bath for cooler, longer lasting operation.

Five-Pocket Load Sheave —

Provides improved or better chain engagement for smooth lifting and reduces chain wear.

Mechanical Load Brake —

Multiple disc type for load lowering control and additional reliability.

Limit Switches —

Adjustable upper and lower limit switches to regulate load travel.

Motor Brake —

Multiple disc, direct acting to stop load when push button is released and power off.

Mechanical Overload Device —

Protects against damage caused by excessive overloads and reverse phasing.

Brake Cover —

Quick removal for easy access to brake and limit switch.

Helical Gearing —

Quietest operation available.





MODEL

EC

The **INDUSTRY LEADER** -
STRENGTH and
DEPENDABILITY

EC Hook & Lug Suspension Models



1/4 - 5 Ton

Made in USA

COFFING EC Models - High performance hoists engineered for heavy duty industrial service. Designed for safety, the EC incorporates mechanical load brake, motor brake, and overload clutch as standard.

CAPACITIES & LIFTS - Rated loads from 1/4 to 5 Tons, with 10, 15, and 20-foot standard lifts. Other lifts available. Standard push button drop is 4-feet less than lift.

VOLTAGE & MOTOR OPTIONS - 115/230, 208 - single phase; 230/460, 208, 220/380, 575 - three phase. 60 hertz standard, 50 hertz available. Two-speed motors available (3 to 1 speed ratio).

SUSPENSION OPTIONS - Rigid or swivel top hook, lug, plain, geared, and motorized trolley available.

STANDARD FEATURES - Refer to pages 8 & 9.

SMALL FRAME DESIGN - Features housings of cast aluminum alloy construction for minimum weight. Engineered and designed for use with motors up to 1 HP.

LARGE FRAME DESIGN - Features load bearing housings of ductile iron construction for maximum strength. Non-load bearing housings of cast aluminum alloy for minimum weight. Engineered and designed for use with higher torque 2 and 3 HP three phase motors.

DURABLE CONSTRUCTION - Built in compliance with ASME/ANSI B30.16 and CSA standards.

ACCESSORIES & OPTIONS - Full line of accessories available, including Variable Frequency Drives. See pages 25-31.

LIFETIME WARRANTY

COFFING[®]
HOISTS



● SPECIFICATIONS ●

EC Hook & Lug Suspension Models

| Capacity | | | Model Number | Frame * | No. of Chains | Motor HP | Lift Speed (fpm) | | Headroom (in.) | Housing Dimensions (in.) | | | Net Wt. ** (lb.) |
|----------|--------|-------|--------------|---------|---------------|----------|------------------|--------|----------------|--------------------------|----------|---------|------------------|
| (lb.) | (kg) † | (Ton) | | | | | Single | Two †† | | H | W | L | |
| 500 | 250 | 1/4 | EC-0516 | S | 1 | 1/4 | 16 | 5.3 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 100 |
| 500 | 250 | 1/4 | EC-0532 | S | 1 | 1/2 | 32 | 10.7 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 108 |
| 500 | 250 | 1/4 | EC-0564 | S | 1 | 1 | 64 | 21.3 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 116 |
| 1000 | 500 | 1/2 | EC-1009 | S | 1 | 1/4 | 9 | 3 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 104 |
| 1000 | 500 | 1/2 | EC-1016 | S | 1 | 1/2 | 16 | 5.3 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 106 |
| 1000 | 500 | 1/2 | EC-1032 | S | 1 | 1 | 32 | 10.7 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 118 |
| 2000 | 1000 | 1 | EC-2004 | S | 2 | 1/4 | 4 | 1.3 | 18 1/4 | 8 | 11 5/8 | 23 3/8 | 116 |
| 2000 | 1000 | 1 | EC-2008 | S | 2 | 1/2 | 8 | 2.7 | 18 1/4 | 8 | 11 5/8 | 23 3/8 | 116 |
| 2000 | 1000 | 1 | EC-2012 | S | 1 | 1 | 12 | 4 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 114 |
| 2000 | 1000 | 1 | EC-2016 | S | 1 | 1 | 16 | 5.3 | 16 7/8 | 8 | 11 5/8 | 23 3/8 | 118 |
| 2000 | 1000 | 1 | EC-2032 | L | 1 | 2 | 32 | 10.7 | 23 | 10 7/8 | 14 13/16 | 31 3/16 | 295 |
| 2000 | 1000 | 1 | EC-2048 | L | 1 | 3 | 48 | 16 | 23 | 10 7/8 | 14 13/16 | 31 3/16 | 302 |
| 4000 | 2000 | 2 | EC-4006 | S | 2 | 1 | 6 | 2 | 18 15/16 | 8 | 11 5/8 | 23 3/8 | 127 |
| 4000 | 2000 | 2 | EC-4008 | S | 2 | 1 | 8 | 2.7 | 18 15/16 | 8 | 11 5/8 | 23 3/8 | 133 |
| 4000 | 2000 | 2 | EC-4016 | L | 1 | 2 | 16 | 5.3 | 23 | 10 7/8 | 14 13/16 | 31 3/16 | 295 |
| 4000 | 2000 | 2 | EC-4024 | L | 1 | 3 | 24 | 8 | 23 | 10 7/8 | 14 13/16 | 31 3/16 | 302 |
| 6000 | | 3 | EC-6005 | S | 3 | 1 | 5 | 1.7 | 23 1/4 | 8 | 12 | 26 3/8 | 200 |
| 6000 | 3000 | 3 | EC-6010 | L | 2 | 2 | 10 | 3.3 | 27 3/8 | 10 7/8 | 14 13/16 | 31 3/16 | 340 |
| 6000 | 3000 | 3 | EC-6016 | L | 2 | 3 | 16 | 5.3 | 27 3/8 | 10 7/8 | 14 13/16 | 31 3/16 | 347 |
| 8000 | | 4 | EC-8008 | L | 2 | 2 | 8 | 2.7 | 27 3/8 | 10 7/8 | 14 13/16 | 31 3/16 | 345 |
| 8000 | | 4 | EC-8012 | L | 2 | 3 | 12 | 4 | 27 3/8 | 10 7/8 | 14 13/16 | 31 3/16 | 352 |
| 10000 | 5000 | 5 | EC-10005 | L | 3 | 2 | 5 | 1.7 | 27 7/8 | 10 7/8 | 14 13/16 | 31 3/16 | 393 |
| 10000 | 5000 | 5 | EC-10008 | L | 3 | 3 | 8 | 2.7 | 27 7/8 | 10 7/8 | 14 13/16 | 31 3/16 | 393 |

† Metric rated option available

* **S** = Small frame hoist, parallel mounted, single or three phase. **L** = Large frame hoist, cross mounted, three phase only.

** For 10 ft. lift, top hook suspension and lug suspension units.

Note: For complete dimensional data, refer to Coffing Dimensional Databook.



HOUSING DESIGN

Brake cover (left) and electrical cover (right) easily removed for maintenance or service of unit.

(Covers for EC Small Frame Unit Shown)





MODEL
EC

SUSPENSIONS

for a VARIETY
of
APPLICATIONS



1/4 - 5 Ton

Made in USA

EC Trolley Suspensions

COFFING ECT, ECGT, and ECMT Models - Plain, geared and motorized trolley suspensions with all the features of basic EC models for added flexibility in a variety of applications.

PLAIN TROLLEY - For manual positioning of hoist and load.

GEARED TROLLEY - For more precise positioning of hoist and load. Standard hand chain drop is 2-feet less than lift.

MOTORIZED TROLLEY - For faster positioning of hoist and load over longer distances. 35 or 75 FPM speeds standard with optional speeds of 18, 24, 50, 100, and 150 FPM.

VOLTAGES - 115/230, 208 - single phase; 230/460, 208, 220/380, 575 - three phase. 60 hertz standard, 50 hertz available.

TWO-SPEED MOTORIZED TROLLEY MODELS - Optional with 3 to 1 speed ratio, three-phase, single voltage only.

WRAP-AROUND SIDE PLATES - Act as safety lugs and as bumpers to protect wheels. Available to fit American Standard I-Beams, wide-flange, and patented track beams. Specify track type and beam size.

PRECISION TROLLEY WHEELS - Machined, cast iron wheels with sealed, lifetime lubricated ball bearings for extended trolley life. Motorized trolley wheels heat treated for added durability. Bronze and stainless steel wheels optional.

TWO TROLLEY DESIGNS - 4-wheel design on 1/4 - 3 ton negotiates 48" minimum radius curve, including patented track applications. 8-wheel design on 4 and 5 ton reduces beam flange stress.

ACCESSORIES & OPTIONS - Full line available to meet a variety of applications. See pages 25-31.

LIFETIME WARRANTY

COFFING®
HOISTS



● SPECIFICATIONS ●

EC Plain, Geared & Motorized Suspensions

| Capacity | | | Model Number | Frame * Size | Trolley † Mount | ECT & ECGT Hdrm (in.) | ECMT Hdrm (in.) | Flange Width (in.) | Min. Rad. Curve (in.) | Net Wt. ** (lb.) | ECMT Net Wt. (lb.) |
|----------|--------|-------|--------------|-----------------|--------------------|--------------------------|--------------------|-----------------------|--------------------------|---------------------|-----------------------|
| (lb.) | (kg) ‡ | (Ton) | | | | | | | | | |
| 500 | 250 | 1/4 | EC(†)-0516 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 145 | 180 |
| 500 | 250 | 1/4 | EC(†)-0532 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 153 | 188 |
| 500 | 250 | 1/4 | EC(†)-0564 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 161 | 196 |
| 1000 | 500 | 1/2 | EC(†)-1009 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 151 | 186 |
| 1000 | 500 | 1/2 | EC(†)-1016 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 151 | 186 |
| 1000 | 500 | 1/2 | EC(†)-1032 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 163 | 198 |
| 2000 | 1000 | 1 | EC(†)-2004 | S | P | 18 5/8 | 18 5/8 | 3.332 - 7 | 48 | 161 | 196 |
| 2000 | 1000 | 1 | EC(†)-2008 | S | P | 18 5/8 | 18 5/8 | 3.332 - 7 | 48 | 161 | 196 |
| 2000 | 1000 | 1 | EC(†)-2012 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 158 | 194 |
| 2000 | 1000 | 1 | EC(†)-2016 | S | P | 17 1/4 | 17 1/4 | 3.332 - 7 | 48 | 163 | 198 |
| 2000 | 1000 | 1 | EC(†)-2032 | L | C | 21 9/16 | 22 1/4 | 3.332 - 7 | 48 | 347 | 375 |
| 2000 | 1000 | 1 | EC(†)-2048 | L | C | 21 9/16 | 22 1/4 | 3.332 - 7 | 48 | 347 | 375 |
| 4000 | 2000 | 2 | EC(†)-4006 | S | P | 19 5/16 | 19 5/16 | 3.332 - 7 | 48 | 172 | 207 |
| 4000 | 2000 | 2 | EC(†)-4008 | S | P | 19 5/16 | 19 5/16 | 3.332 - 7 | 48 | 178 | 213 |
| 4000 | 2000 | 2 | EC(†)-4016 | L | C | 21 9/16 | 22 1/4 | 3.332 - 7 | 48 | 347 | 375 |
| 4000 | 2000 | 2 | EC(†)-4024 | L | C | 21 9/16 | 22 1/4 | 3.332 - 7 | 48 | 354 | 362 |
| 6000 | | 3 | EC(†)-6005 | S | P | 23 1/4 | 24 | 3.332 - 7 | 48 | 260 | 320 |
| 6000 | 3000 | 3 | EC(†)-6010 | L | C | 26 | 26 5/8 | 3.332 - 7 | 48 | 396 | 424 |
| 6000 | 3000 | 3 | EC(†)-6016 | L | C | 26 | 26 5/8 | 3.332 - 7 | 48 | 403 | 431 |
| 8000 | | 4 | EC(†)-8008 | L | C | 25 15/16 | 26 3/4 | 4 - 7 | *** | 520 | 560 |
| 8000 | | 4 | EC(†)-8012 | L | C | 25 15/16 | 26 3/4 | 4 - 7 | *** | 527 | 567 |
| 10000 | 5000 | 5 | EC(†)-10005 | L | C | 29 3/4 | 30 5/8 | 4 - 7 | *** | 561 | 599 |
| 10000 | 5000 | 5 | EC(†)-10008 | L | C | 29 3/4 | 30 5/8 | 4 - 7 | *** | 568 | 606 |

† Specify **ECT** for plain trolley, **ECGT** for geared trolley and **ECMT** for motorized trolley models

‡ Metric rated option available

* **S** = Small frame hoist, parallel mounted, single or three phase.
L = Large frame hoist, cross mounted, three phase only.

†* **P** = Parallel mount, standard on small frame hoists.
C = Cross mount, standard on large frame hoists.

** Weight for 10 ft. lift ECT units. Add 10 lb. for ECGT unit weights.

*** 4 & 5 ton straight track only. Articulated model for 48" min. radius curved track available - consult factory.

Note: For complete dimensional data, refer to Coffing Dimensional Databook.





MODEL
ED
Extended Duty

EC HOISTS
for **SPECIAL**
APPLICATIONS



1/2 - 2 Ton

Made in USA

Extended Duty Hoists

COFFING ED Models - Extended duty service for special applications which require a hoist that exceeds the duty rating of basic EC models.

CAPACITIES & LIFTS - Rated loads from 1/4 to 2 Tons, with 10, 15, and 20-foot standard lifts. Other lifts available. Standard push button drop is 4-feet less than lift.

VOLTAGE & MOTOR OPTIONS - 230/460, three phase motors standard. Totally enclosed, fan-cooled motor keeps both motor and transmission from overheating. Consult factory for other voltage and speed options.

SUSPENSION OPTIONS - Rigid lug; plain, geared, and motorized trolleys.

DUTY CYCLE - Exceeds H4 duty service.

LOAD CHAIN - Zinc plated standard for corrosion resistance.

EXTERNAL STRAIN RELIEF - Secures to NEMA 3R push button station with extra strain relief protection.

ACCESSORIES - Full line of options to meet a variety of applications. See pages 25-31.

LIFETIME WARRANTY



● SPECIFICATIONS ●

ED Extended Duty Hoists

| Capacity | | | Model * Number | No. of Chains | Motor HP | Lift Speed (fpm) | Headroom (in.) | Housing Dimensions (in.) | | | Net Wt. (lb.) |
|----------|---------|-------|-------------------|------------------|-------------|---------------------|-------------------|--------------------------|--------|--------|------------------|
| (lb.) | (kg) †† | (Ton) | | | | | | H | W | L | |
| 1000 | 500 | 1/2 | ED(†)-1032 | 1 | 1 | 32 | 17 1/4 | 8 1/4 | 11 5/8 | 26 1/4 | 128 |
| 2000 | 1000 | 1 | ED(†)-2016 | 1 | 1 | 16 | 17 1/4 | 8 1/4 | 11 5/8 | 26 1/4 | 130 |
| 4000 | 2000 | 2 | ED(†)-4008 | 2 | 1 | 8 | 19 5/16 | 8 1/4 | 11 5/8 | 26 1/4 | 145 |

†† Metric rated option available.

* Lug, plain, geared or motorized trolley mounting

† Specify **ED** for rigid lug, **EDT** for plain trolley, **EDGT** for geared trolley and **EDMT** for motorized trolley models.

Note: For complete dimensional data, refer to Coffing Dimensional Databook

EC HOISTS for SPECIAL APPLICATIONS

MODEL
EC
Turnover Hoists



EC Turnover Model Hoists

COFFING EC Turnover Models - Specially modified EC Hoist designed for machining, assembly, or repair applications which require complete rotation and/or precise positioning of large, non-symmetrical work pieces.

CAPACITIES & LIFTS - Rated loads from 1/4 to 4 Tons. Lift stroke is 15-foot standard. Consult factory for longer lift strokes.

VOLTAGE - 230/460, three phase motors standard. Consult factory for other voltages and two speed motors.

SUSPENSION OPTIONS - Rigid lug mount only. Allows attachment to load hook of another hoist for vertical lifting.

TWO LOAD HOOKS - Color coded load hooks with corresponding push button for operator convenience.

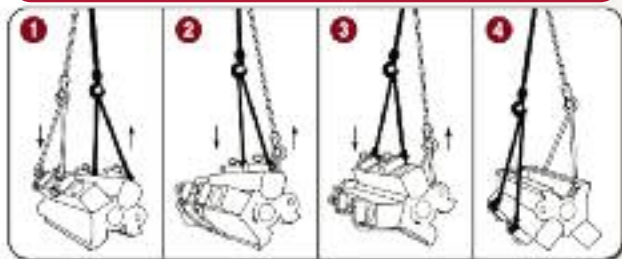
OPERATION - Load hooks operate in opposite directions.

APPLICATION - Completely inverts virtually any shape load with use of simple slings and successive repositioning of load hooks.

ACCESSORIES - Full line of options to meet a variety of applications. See pages 25-31.

LIFETIME WARRANTY

Typical Application



Engine block is raised straight up (1) by special cylinder lift rings, then rotated approximately 45° until one load hook (2) supports total weight. Sling is guided under block and attached to free hook (3). Hoist is then reversed (4) until block is inverted.

1/4 - 4 Ton

Made in USA

• SPECIFICATIONS •

EC Turnover Hoists

| Capacity | | | Model Number | Frame * Size | Load Chain Length (ft.) | Lift Stroke (ft.) | Motor HP | Lift Speed (rpm) | Headroom (in.) | Housing Dimensions (in.) | | | Net Wt. ** (lb.) |
|----------|--------|-------|--------------|--------------|-------------------------|-------------------|----------|------------------|----------------|--------------------------|----------|---------|------------------|
| (lb.) | (kg) † | (Ton) | | | | | | | | H | W | L | |
| 500 | 250 | 1/4 | EC-0516-TH | S | 16 | 15 | 1/4 | 16 | 19 7/8 | 9 7/8 | 11 5/8 | 23 3/8 | 120 |
| 1000 | 500 | 1/2 | EC-1016-TH | S | 16 | 15 | 1/2 | 16 | 19 7/8 | 9 7/8 | 11 5/8 | 23 3/8 | 126 |
| 2000 | 1000 | 1 | EC-2016-TH | S | 16 | 15 | 1 | 16 | 19 7/8 | 9 7/8 | 11 5/8 | 23 3/8 | 138 |
| 4000 | 2000 | 2 | EC-4016-TH | L | 16 | 15 | 2 | 16 | 28 1/2 | 12 5/16 | 14 13/16 | 31 3/16 | 325 |
| 6000 | 3000 | 3 | EC-6008-TH | L | 34** | 15 | 3 | 8 | 33 | 13 5/16 | 15 3/8 | 31 3/16 | 385 |
| 8000 | | 4 | EC-8008-TH | L | 34** | 15 | 3 | 8 | 33 | 13 5/16 | 15 3/8 | 31 3/16 | 390 |

† Metric rated option available.

* S = Small frame hoist, single or three phase. L = Large frame hoist, three phase only.

** Each load block is double-chained on 6000 lb. and 8000 lb. models.





ELECTRIC CHAIN HOISTS

MODEL EC

EC HOIST FEATURES



MECHANICAL LOAD BRAKE

Weston type, controls load lowering and prevents load drift. Holds rated load independent of multiple disc motor brake.



MULTIPLE DISC MOTOR BRAKE

Heavy duty, direct acting design for positive load spotting and holding.



ERGONOMIC DESIGNED PUSH BUTTON STATION

Fits operator's hand for thumb or two-handed operation. 24 Volt Control standard for operator safety. 115 Volt Control available upon request. NEMA 3R (weather resistant). Constructed of glass-filled nylon for severe impact and chemical/corrosive atmosphere resistance.



COFFING
5-POCKET
SHEAVE

CONVENTIONAL
4-POCKET
SHEAVE



FIVE-POCKET LOAD SHEAVE

Increases chain and sheave engagement 25% over hoists with conventional four-pocket sheaves. Provides smoother lifting and reduces chain wear over four-pocket sheaves.



LIMIT SWITCHES

Adjustable to regulate upper and lower load travel. Brass nuts standard for improved switch setting and repeatability. Stainless steel limit switch shaft standard.



SOLID STATE STARTING SWITCH

Standard on single phase units. Provides greater reliability and starting consistency than centrifugal switches. Fewer components to wear out or fail.



PANEL PLATE

Provides easy access to controls and motor leads for changing voltage on dual-voltage motors or performing hoist maintenance. Connection wires are numbered to assist maintenance.



CHAIN END STOP ASSEMBLY

Fits below dead end link on lifting chain for added measure of safety.



GEARING & TRANSMISSION

First stage helical gearing on EC small frame; first and third stage helical gearing on EC large frame. Transmission gears are precision machined of alloy steel and run in oil bath for longer, quieter operation.



OVERLOAD CLUTCH

Protects hoist, operator and supporting structures from damaging overloads, chain jamming, and reverse phasing.



MODEL JLC

JLC HOIST FEATURES



PANEL PLATE

Provides easy access to controls and motor leads for changing voltage on dual-voltage motors or performing hoist maintenance. Connection wires are numbered to assist maintenance.



FIVE-POCKET LOAD SHEAVE

Increases chain and sheave engagement 25% over hoists with conventional four-pocket sheaves. Provides smoother lifting and reduces chain wear over four-pocket sheaves.



MULTIPLE DISC MOTOR BRAKE

Heavy duty, direct acting design for positive load spotting and holding.



LIMIT SWITCHES

Adjustable to regulate upper and lower load travel. Brass nuts standard for improved switch setting and repeatability. Stainless steel limit switch shaft standard.



HOIST MOTOR

Finned aluminum housing and Class F insulation for longer life. 2-speed with 3 to 1 speed ratio available.



MECHANICAL OVERLOAD PROTECTION DEVICE

Protects hoist, operator and supporting structures from damaging overloads, chain jamming, and reverse phasing.



ERGONOMIC DESIGNED PUSH BUTTON STATION

Fits operator's hand for thumb or two-handed operation. 24 Volt Control standard for operator safety. 115 Volt Control available upon request. NEMA 3R (weather resistant). Severe impact and chemical/corrosive atmosphere resistant.



CHAIN END STOP ASSEMBLY

Fits below dead end link on lifting chain for added measure of safety.



MODEL
MT

**SMOOTH
and RELIABLE
OPERATION**



1/4 - 5 Ton

Made in USA

MT Motorized Trolley

COFFING MT Model Trolley - Features rugged construction with wrap-around side plates and heat treated wheels for reliable service. Universal clevis allows quick mounting of most hook mounted electric chain hoists.

CAPACITIES - Rated loads from 1/4 to 5 Tons. Push button drop is 6-feet.

VOLTAGES - 115/230, 208 - single phase; 230/460, 208, 220/380, 575 - three phase. 60 hertz standard, 50 hertz available.

SPEEDS - 35 and 75 FPM speeds standard with optional speeds of 18, 24, 50, 100, and 150 FPM.

TWO-SPEED MODELS - Optional with 3 to 1 speed ratio, three-phase, single voltage only. Slow speed feature for gentler start and greater positioning accuracy.

MOUNTING - Universal clevis will accept top hook models. Can change EC and JLC suspensions to lug mount directly to MT trolley — consult factory.

TROLLEY DESIGN - 4-wheel design on 1/4 - 3 Ton and under. 8-wheel design on 4 and 5-Ton for reduced beam flange stresses. Specify track type and beam size.

NEMA 3R PUSH BUTTON - Ergonomic design fits operator's hand for thumb or two-handed operation. 24 Volt Control standard for operator safety. 115 Volt Control available upon request.

ACCESSORIES - Trolley brake and other options available to meet a variety of applications.

LIFETIME WARRANTY

● **SPECIFICATIONS** ●

MT Motorized Trolley

| Capacity | | | Model Number | Motor HP | Trolley Speed * | Flange Width (in.) | Min. Rad. Curve (in.) | Net Wt. (lb.) |
|----------|--------|-------|------------------|----------|-----------------|--------------------|-----------------------|---------------|
| (lb.) | (kg) † | (Ton) | | | | | | |
| 500 | 250 | 1/4 | MT-05035 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 500 | 250 | 1/4 | MT-05075 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 1000 | 500 | 1/2 | MT-10035 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 1000 | 500 | 1/2 | MT-10075 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 2000 | 1000 | 1 | MT-20035 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 2000 | 1000 | 1 | MT-20075 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 3000 | 1500 | 1 1/2 | MT-30035 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 3000 | 1500 | 1 1/2 | MT-30075 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 4000 | 2000 | 2 | MT-40035 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 4000 | 2000 | 2 | MT-40075 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 6000 | 3000 | 3 | MT-60035 | 1/4 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 6000 | 3000 | 3 | MT-60075 | 1/2 | 35 or 75 | 3.332 - 7 | 48 | 115 |
| 8000 | | 4 | MT-80035 | (2) 1/4 | 35 or 75 | 4 - 7 | *** | 220 |
| 8000 | | 4 | MT-80075 | (2) 1/2 | 35 or 75 | 4 - 7 | *** | 220 |
| 10000 | 5000 | 5 | MT-100035 | (2) 1/4 | 35 or 75 | 4 - 7 | *** | 220 |
| 10000 | 5000 | 5 | MT-100075 | (2) 1/2 | 35 or 75 | 4 - 7 | *** | 220 |

*** 4 & 5 Ton - straight track only. Articulated model for 48" min. radius curved track available — consult factory.

† Metric rated option available.

Note: For complete dimensional data, refer to Coffing Dimensional Databook.



HOIST SUSPENSIONS

EC Small Frame



Standard Top Hook
with safety latch-rigid
(standard) or swivel.



Optional Bullard Hook*
with return latch, with or
without return spring, for
added safety.



Optional Shur-Loc® Hook*
with positive lock latch is self-
locking when hook is loaded.



**Optional
Multi-Purpose Lug**
available for special
applications.



Rigid Lug
for mounting CTA and MT
trolleys to small frame EC
models.



Rigid Lug
for mounting CTA and MT
trolleys to EC-6005 model only.

EC Large Frame



Standard Top Hook
with safety latch-rigid
(standard) or swivel.
1, 2, 3, and 4 ton only.



Optional Bullard Hook*
with return latch, with or
without return spring.
1, 2, 3, and 4 ton only.



**Optional
Shur-Loc® Hook***
with positive lock latch
is self-locking when
hook is loaded.



Rigid Lug
for mounting CTA and
MT trolleys to large
frame EC models.
1, 2, and 3 ton only.



Rigid Lug
for mounting CTA and
MT trolleys to large
frame EC models.
4 and 5 ton only.

JLC Hoists



Standard Top Hook
with safety latch
standard.



Swivel Top Hook
with safety latch
standard.



**Optional
Shur-Loc® Hook***
with positive lock latch
is self-locking when
hook is loaded.



Rigid Lug
for mounting CBT,
CTA and MT trolleys.



ACCESSORIES

POWERED HOISTS

CHAIN CONTAINERS

- **Models** - To fit EC, ED, and JLC models.
- **Mounting** - Suspends from hoist and does not interfere with hoist operation. Suspension bracket included.
- **Safety** - Recommended where slack chain may create a hazardous condition.

EC Small and Large Frame Chain Containers



JLC Chain Containers



| Model Number | Dimension (in.) | Capacity (In Feet Per Hoist Lift) | | |
|-------------------------------------------------------------------------------------------------|-----------------|-----------------------------------|----------------|----------------|
| | | 1-Chain Single | 2-Chain Double | 3-Chain Triple |
| <i>For Small Frame EC Models EC-0516 — EC-4008 (except EC-2032), EC-6005, and all ED Models</i> | | | | |
| 927JG17 | 10 7/16 | 20 | 10 | N/A |
| 927JG18 | 12 1/2 | 25 | 12.5 | N/A |
| 927JG19 | 16 | 35 | 17.5 | 12 |
| 927JG20 | 20 1/4 | 50 | 25 | 17 |
| 927JG202A | 20 | 75 | 37 | 25 |
| 927JG203A | 24 | 100 | 50 | 33 |
| 927JG204A | 35 | 150 | 75 | 50 |
| <i>For Large Frame EC Models EC-2032, EC-4016 — EC 10008 (except EC-6005)</i> | | | | |
| 927JG201 | 16 | 15 | N/A | N/A |
| 927JG202 | 20 | 30 | 15 | 10 |
| 927JG203 | 24 | 50 | 25 | 16.5 |
| 927JG204 | 35 | 75 | 37.5 | 25 |
| 927JG205 | 48 3/4 | 100 | 50 | 33.3 |
| 927JG207 | 26 | 150 | 75 | 50 |
| 927JG208 | 32 | 200 | 100 | 66.6 |
| <i>For JLC Models — Molded Polyolefin Type</i> | | | | |
| JLC927-1 | 20 1/2 | 20 | 10 | N/A |
| JLC927-2 | 16 | 35 | 17 | N/A |
| JLC927-3 | 20 1/4 | 50 | 25 | N/A |
| JLC927-4 | N/A | Over 50 | 25 | N/A |
| <i>For JLC Models — Fabric Type</i> | | | | |
| JLC927-20F | 16 | 20 | 10 | N/A |
| JLC927-35F | 22 | 35 | 17 1/2 | N/A |
| JLC927-50F | 26 | 50 | 25 | N/A |
| JLC927-70F | 31 | 70 | 35 | N/A |

WEATHER RESISTANT COVERS

- **Models** - To fit EC and JLC models.
- **Material** - Waterproof to protect hoist in outdoor use.
- **Safety** - Does not interfere with normal hoist operation while in place.

| Hoist Rated Load (lb.) | Type of Mount | Part Number |
|-------------------------------------------------------------------------------|---------------|---------------|
| <i>For Small Frame EC Models EC-0516 — EC-4008 (except EC-2032)</i> | | |
| 500 | Hook or Lug | EC-760-1 |
| 1000 | Hook or Lug | EC-760-2 |
| 2000 | Hook or Lug | EC-760-3 |
| 4000 | Hook or Lug | EC-760-4 |
| 6000 | Not Available | Not Available |
| <i>For Large Frame EC Models EC-2032, EC-4016 — EC-10008 (except EC-6005)</i> | | |
| 4000 | Hook | EC-761-1 |
| 4000 | Lug | EC-761-2 |
| 6000 | Hook | EC-761-3 |
| 6000 | Lug | EC-761-4 |
| 8000 | Lug | EC-761-5 |
| 10000 | Lug | EC-761-6 |

For All JLC Models:
Use JF-760





VARIABLE FREQUENCY DRIVES

INFINITELY VARIABLE SPEED CAPABILITY - AT THE PUSH OF A BUTTON

COFFING EC-V & JLC-V Models — *Redefining Lifting* — now feature a Variable Frequency Drive. The compact size of the drive unit allows neat and complete placement under the cover of the hoists. On EC-V Models, this new option enhances the standard hoist's features: mechanical load brake, motor brake and overload clutch. The Coffing JLC-V drives feature a Closed Loop System. The Closed Loop System provides additional load control in lieu of a secondary load brake by monitoring the movement of the load hook through the transmission.

VARIABLE FREQUENCY DRIVE BENEFITS – The VFD allows for unsurpassed load-spotting and inching capability. The VFD offers additional speed flexibility that standard 2-speed motors cannot offer. The soft starting and stopping of the unit is perfect for delicate applications and reduces the daily wear and tear on the hoist. Variable Frequency Drives can also be externally mounted to Motorized Trolley Units.



Variable Speed



VARIABLE FREQUENCY DRIVE FEATURES – In-field, instant programming - from infinitely variable (12:1 speed ratio) to any intermediate, predetermined speed range. 24-VAC control inputs built-in.

JLC-V Only - Closed Loop System that monitors the load hook's direction and speed; additional components monitor motor amperage to provide consistent and reliable operation.

CONTROL OPTIONS – The standard 2-step buttons allow the operator to increase and maintain the lifting or lowering speeds. The optional 3-step buttons allow the operator to increase, maintain, or decrease the lifting or lowering speeds without interruption.

CAPACITIES & LIFTS - EC-V Models - Rated loads from 1/4 to 5 Tons, with lifting speed of 5 to 64 feet per minute depending on the capacity. Standard lifts of 10, 15, and 20 with other lifts available. Standard push-button drop is 4-feet less than lift.

JLC-V Models - Rated loads from 1/8 to 2 Tons, with lifting speed of 8 to 32 feet per minute depending on the capacity. Standard lifts of 10, 15, and 20 with other lifts available. Standard push-button drop is 4-feet less than lift.

VOLTAGE & MOTOR OPTIONS - 230; 460; 208; 380; 575 – three phase. 60 hertz standard or 50 hertz available.

SUSPENSION OPTIONS - Rigid or swivel top hook, lug, plain, geared, and motorized trolley available.

DURABLE CONSTRUCTION - Built in compliance with ASME/ANSI B30.16.

ACCESSORIES & OPTIONS - Full line available to meet a variety of applications.

LIFETIME WARRANTY

MADE IN USA



REMOTE CONTROL PACKAGES

For Specialized Hoist and Crane Applications



- **Radio and Infrared Models Available** - Consult factory.

CORROSION RESISTANT FEATURES

Protects Hoist in Corrosive Environments

Consult Factory to Verify Availability on Desired EC & JLC Models Only



- **Features** - Zinc plated load chain, zinc plated hand chain, zinc plated hook, stainless steel limit switch shaft, stainless steel wheels, bronze wheels, epoxy paint.

SPARK RESISTANT FEATURES

Reduces Chance of Sparking

Consult Factory to Verify Availability on Desired EC Models Only



- **Features** - Stainless steel load chain, stainless steel hooks, bronze hooks, aluminum hand chain, stainless steel bottom block assembly, stainless steel trolley wheels, bronze trolley wheels, and rubber trolley bumpers.



ADDITIONAL FEATURES *Consult Factory*

- Paddle Limit Switch
- Electronic Overload Sensor
- Trolley Limit Switches
- Wall-Mounted Push Button Stations
- NEMA 1, 2, 3R, 4X, 5, 12 & 13 PB Stations
- 3 - Foot Outrigger Arm
- Circuit Breaker
- Motor Fuses
- Mainline Contactor
- Solid State Trolley Soft Start
- Electrical Interlocks
- External Strain Relief
- Electronic Phase Reversal & Under Voltage Protection
- Magnetic Particle Inspection
- Horn or Bell
- Kellems Cord Grip
- Bridge or Tractor Controls
- Track Clamp
- Motor Thermostat
- Thermal Overload Relay
- Trolley Ballast Resistors (3-Phase Only)
- Multi-Button Push Button Stations
- Timers
- Retractable Coil Cord

SPECIAL APPLICATIONS *Consult Factory*

Tandem Applications

- Twin hooks move long, unwieldy loads.
- Push button control station allows hoists to be operated either simultaneously or individually.
- Hoists connected mechanically or electrically.
- Available with plain, geared, and motorized trolleys.

Twin Hook

- Same as tandem trolley application, except hoist has hook or lug suspension for fixed position operation.

Semi-Automatic

- Requires only a momentary depression of push button to raise or lower hook to preset position.
- Limit switch permits adjustment of end stops anywhere within range of lifts.
- Stop button allows stops between limits.

Multi-Level

- Hoist can be specified with multiple control pendants or wall stations.

Inching Controls

- Selector switch allows hoist operation in normal or jog mode.
- In jog mode, each depression of button advances hook a fraction of an inch. (Field adjustable)
- Can be supplied with jog adjustment potentiometer inside hoist enclosure or on push button station.

Patented Carrier

- Rated load from 1/4 to 3 Tons
- On request, hoist units can be furnished with suitable lugs for mounting on patented track carriers.

Key Lock

- Key lock on push buttons prevent unauthorized hoist use.
- Multiple stations keyed unlike—unless specified.