



# MODEL JLC

# JLC HOIST FEATURES

Distributed by Tri-State Equipment Company Inc. | sales@tsoverheadcrane.com | 314-869-7200 | www.tsoverheadcrane.com



### 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.

# The CHOICE for VALUE and PERFORMANCE

MODEL  
**JLC**



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## JLC Hook & Lug Suspension Models

**COFFING JLC Models** - Designed for industrial duty performance. Compact in size, the JLC features a multiple disc motor brake, overload clutch, and chain end stop for safety.

**CAPACITIES & LIFTS** - Rated loads from 1/8 to 2 Tons, with 10, 15, and 20-foot standard lifts. Other lifts available. Standard push button drop is 4-feet less than lift. CSA approved.

**VOLTAGES** - 115/230 - single phase; 230/460, 208, 380, 415, 575 - three phase, 60 hertz standard, 50 hertz available.

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

**STANDARD FEATURES** - See page 16.

**LIMIT SWITCHES** - Adjustable to regulate upper and lower load travel. Brass nuts standard for improved repeatability and chain positioning.

**OIL BATH TRANSMISSION** - Precision machined alloy steel gears run in oil bath for longer, quieter operation.

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

**FRAME** - Compact aluminum housing for portability and ease of installation.

**ACCESSORIES** - Full line of accessories available, including Variable Frequency Drives. See pages 25-30.

**CHAIN CONTAINER** - Standard on lifts up to 20 ft. single chain / 10 ft. double chain  
*Chain containers available for longer lifts*

**LIFETIME WARRANTY**



**1/8 - 2 Ton**

**Made in USA**

### ● SPECIFICATIONS ●

#### JLC Top Hook and Lug Suspension

Capacity			Model Number	No. of Chains	Motor HP	Lift Speed (fpm)		Headroom * (in.)	Housing Dimensions (in)			Net Wt. ** (lb.)
(lb.)	(kg) †	(Ton)				Single	Two		H	W	L	
250	125	1/8	<b>JLC-0232</b>	1	1/4	32	10.7	18 1/8	8 11/16	8 11/16	24 1/8	63
500	250	1/4	<b>JLC-0516</b>	1	1/2	16	5.3	18 1/8	8 11/16	8 11/16	24 1/8	63
500	250	1/4	<b>JLC-0532</b>	1	1/2	32	10.7	18 1/8	8 11/16	8 11/16	24 1/8	75
1000	500	1/2	<b>JLC-1016</b>	1	1/2	16	5.3	18 1/8	8 11/16	8 11/16	24 1/8	75
1000	500	1/2	<b>JLC-1032</b>	1	1	32	10.7	18 1/8	8 11/16	8 11/16	24 1/8	88
2000	1000	1	<b>JLC-2016</b>	1	1	16	5.3	18 1/8	8 11/16	8 11/16	24 1/8	90
4000	2000	2	<b>JLC-4008</b>	2	1	8	2.7	20 13/16	8 11/16	8 11/16	24 1/8	100

† Metric rated option available.

\* For hook and lug mounted models only.

\*\* Weight and dimensions for 10 ft. lift, single phase, top hook and lug suspension units.

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



MODEL  
**JLC**

**MOTORIZED  
and MANUAL  
TROLLEY  
APPLICATIONS**



**1/8 - 2 Ton**

**Made in USA**

**JLC Trolley Suspensions**

**COFFING JLCET and JLCMT Models** - Plain and motorized trolley suspensions with all the features of the basic JLC models for added flexibility in a variety of applications.

**PLAIN TROLLEY** - For manual positioning of hoist and load.

**MOTORIZED TROLLEY** - For faster positioning of hoist and load over longer distances. 35 or 75 FPM speeds standard - other speeds available. Trolley brake optional.

**VOLTAGES** - 115/230 - single phase; 230/460, 208, 380, 415, 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.

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

**TROLLEY DESIGN** - 4-wheel design negotiates 48" minimum radius curve, including patented track applications (60" for JLCET 2-Ton only). Specify track type and beam size.

**LIFETIME WARRANTY**

● **SPECIFICATIONS** ●

JLC Trolley Suspensions

Capacity			Model Number	Trolley ‡ Mount	JLCET Hdrm (in.)	JLCMT Hdrm (in.)	JLCET Flange * Width (in.)	Beam Ht. (in.)	Min. Rad. Curve (in.)	JLCET Net Wt. (lb.)	JLCMT Net Wt. (lb.)
(lb.)	(kg) ††	(Ton)									
250	125	1/8	<b>JLC(†)-0232</b>	C	17 15/16	17 15/16	3 - 8	5 - 12	48	87	173
500	250	1/4	<b>JLC(†)-0516</b>	C	17 15/16	17 15/16	3 - 8	5 - 12	48	87	173
500	250	1/4	<b>JLC(†)-0532</b>	C	17 15/16	17 15/16	3 - 8	5 - 12	48	99	185
1000	500	1/2	<b>JLC(†)-1016</b>	C	17 15/16	17 15/16	3 - 8	5 - 12	48	91	185
1000	500	1/2	<b>JLC(†)-1032</b>	C	17 15/16	17 15/16	3 - 8	5 - 12	48	112	198
2000	1000	1	<b>JLC(†)-2016</b>	C	17 15/16	17 15/16	3 - 8	5 - 12	48	114	200
4000	2000	2	<b>JLC(†)-4008</b>	C	20 5/8	20 5/8	3 - 8	6 - 18	60	156	210

† Specify JLCET for plain trolley and JLCMT for motorized trolley models.

†† Metric rated option available.

‡ C = Cross mount, standard on all JLC trolley models.

\* For JLCMT models, standard flange adjustment is 3.33 - 6". Consult factory for special beam size options.

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