CM Lodestar electric chain hoists

- Designed and built to take the rigors of the touring industry
- Black powder coat finish for durability
- 115 VAC control circuit
- Heat treated formed steel chain guides
- Easy to handle, operate and maintain
- Designed for operation in the inverted position
- H4 duty rated at 30 minutes/300 starts/hour
- Operates with voltage drops up to 10% below name plate rating

- · Capacities of up to 3 tons
- Adjustable screw limits provide added reliability
- Standard overload protection offers increased safety
- Minimum 5:1 design ratio
- Zinc plated load chain protects against corrosion
- Grease lubrication in gear case eliminates oil drips on stage
- Hoist motor is completely enclosed in durable protective cast aluminum housing
- Interfaces with all existing controllers and power distros
- · Fits in standard road case
- Lifetime warranty
- Each hoist thoroughly inspected and tested to over 125% of rated load prior to shipment
- Meets ASME B30.16, HMI (Hoist Manufacturing Institute), NEC and OSHA standards and regulations
- TUV pending
- (Epending
- Made in U.S.A.
- Manufactured in an ISO 9001 Registered Facility

CM POLICY STATEMENT FOR LODESTARS USED IN CONJUNCTION WITH FALL PROTECTION EQUIPMENT IN THE ENTERTAINMENT INDUSTRY

If a fall protection system is used in conjunction with Lodestar hoists, the system must be designed and installed by a qualified person such that malfunction or failure of one hoist's load bearing components does not cause load loss and/or overloading of any other hoist(s) in the system. Also the system must be designed such that the static loading of any hoist does not exceed 50% of the rated capacity. Note that in such a system, hoist performance and function must be monitored visually or with the use of load cells.

* **A**WARNING

Overloading and improper use can result in injury.

To avoid injury:

- Do not exceed working load limit, load rating or capacity.
- Do not use to lift people or loads over people.
- Use only alloy chain and attachments for overhead lifting.
- Read and follow all instructions.

It is preferred that the load always be tied off with auxiliary chains or cables before access to the area beneath the load is permitted. As an alternative, the system may be designed such that malfunction or failure of one hoist's load bearing components does not cause load loss and/or overloading of any other hoists in the system. Note that in such a system, hoist performance and function must be monitored visually or with the use of load cells.

Ordering information

When ordering hoists please specify the following:

Capacity

Available in metric capacities from $\frac{1}{8}$ ton through 3 ton ($\frac{1}{2}$ ton, 1 ton and 2 ton are standard stocked hoists)

Voltage

Standard voltages

208 - 240 volt	3 phase	60 hz
208 - 240 volt	1 phase	60 hz
208 - 240 volt	1 phase	50 hz
440 - 480 volt	3 phase	60 hz
110 - 115 volt	1 phase	60 hz
380 - 440 volt	3 phase	50 hz
110 - 115 volt	1 phase	50 hz
575 volt	3 phase	60 hz
575 volt	3 phase	50 hz

Available voltages - contact factory

200 volt	3 phase	50/60 hz
100 volt	1 phase	50 hz
200 volt	1 phase	50 hz
380 volt	3 phase	60 hz

Speed

16 fpm (60 hz) and 13.3 fpm (50 hz) is standard for lighting truss, ground support systems, etc., when the loading point is 1 ton or less

8 fpm (60 hz) and 6.5 fpm (50 hz) is standard for speaker clusters, ground support systems, etc., when the loading point is 2 tons or less

Other speeds including 2 speed and variable are available (consult the factory for assistance)

Lift

60 ft. is standard but can be furnished in any length required.

Power cord

 $2^{1\!\!/\!2}$ ft. is standard but can be furnished with any length and can be fitted with a connector of your choice

Control cord

6' 3" is standard but can be furnished in any length, and furnished with a connector of your choice or with a CM snap action control station for single hoist operation

Hook style

360° rotation Latchlok and conventional upper and lower hooks available: Orange on black available – please specify.

NEMA rating

Hoist is furnished as standard NEMA 1 (general purpose indoor use)

Factory available to NEMA 3R (rain and sleet resistant) and can be modified by your distributor with weep holes for extended outdoor use

C.E. stickers

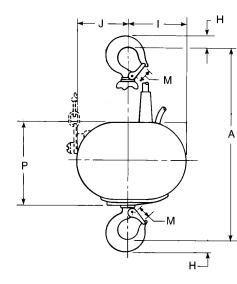
Lodestars are available that conform to EC Machinery Directive, EC Low Voltage Directive, Harmonized Standards, DIN, VGB8 and IEC Standards

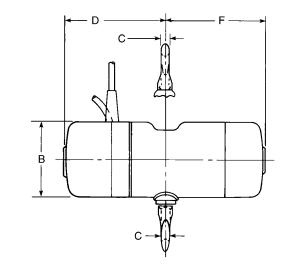
VGB 70

Contact factory

Accessory items

Chain bags, road boxes, power distros, and multi hoist controllers are all available through your CM distributor





Clearance dimensions (in.)

		Lodestar model						
	A, AA, B, C & F	J, JJ, L & LL	R & RR					
А	16 ¹ ⁄4	18 %16	24 ¹ ⁄8					
В	6 ¹ ⁄8	7 ⁵ ⁄8	7 ⁵ ⁄8					
С	¹¹ /16	7⁄8	1 ¹ ⁄8					
D	11	9 ¹ /2	9 ¹ /2					
F	7 ³ ⁄4	10 ¹¹ /16	10¹¹/ 16					
н	1	1 ³ ⁄16	1 ¹ ⁄2					
I	4 ¹³ ⁄16	7 ¹ /4	6 ³ ⁄16					
J	3 ¹⁵ ⁄16	5 ⁷ ⁄16	6 ¹ /2					
М	1	1 ¹ ⁄8	1 ⁵ ⁄16					
Р	6 ⁵ ⁄8	7 ¹³ ⁄16	7 ¹³ ⁄16					

Hoist specifications - black finish hoist only with 60 ft.** lift - Suspensions must be ordered separately.

Rated capacity*		Lifting speed	Lift	Product code less		Operating	Full load		Work rating	
(tons)	Model	(fpm)	(ft.)	suspension	H.P.	voltage	amps	нмі	FEM	ISO
1⁄4	В	16	60	3140	1⁄4	115-1-60	5.2	H-4	L4 - 1AM	M-4
1⁄4	В	16	60	3169	1⁄4	230/460-3-60	1.8/1.1	H-5	L4 - 1AM	M-4
1⁄4	С	32	60	3200	1⁄2	115-1-60	8.0	H-4	L4 - 1AM	M-4
1⁄4	С	32	60	3201	1⁄2	230/460-3-60	1.7/1.2	H-5	L4 - 1AM	M-4
1⁄2	F	16	60	2867S	1⁄2	115-1-60	8.0	H-4	L4 - 1AM	M-4
1⁄2	F	16	60	2868S	1⁄2	230/460-3-60	1.7/1.2	H-5	L4 - 1AM	M-4
1/2	J	32	60	3394	1	115-1-60	17	H-4	L4 - 1AM	M-4
1⁄2	J	32	60	3482	1	230/460-3-60	3.8/2.3	H-4	L4 - 1AM	M-4
1	L	16	60	3609S	1	115-1-60	17	H-4	L4 - 1AM	M-4
1	L	16	60	3610S	1	230/460-3-60	3.8/2.3	H-4	L4 - 1AM	M-4
2	R	8	60	4238	1	115-1-60	17	H-4	L4 - 1AM	M-4
2	R	8	60	4239	1	230/460-3-60	3.8/2.3	H-4	L4 - 1AM	M-4
2	RR	16	60	4272	2	230/460-3-60	11.3/6	H-4	L3 - 1BM	M-3

Note: All theatrical hoists are shipped with $2^{1/2}$ ft. power and control cords less control station unless otherwise specified. For other lifts, speeds and capacities, contact your nearest CM theatrical distributor.

**For lifts other than 60 ft., contact your nearest CM theatrical distributor.

CM Lodestar hook suspensions with black finish

Model	Conventional rigid hook	Conventional swivel hook	Latchlok rigid hook	Latchlok swivel hook
AA - F	2998	2999	2998E	2999E
J - LL	3631	3624	3631E	3624E
R & RR	3634	3600	3634E	3600E

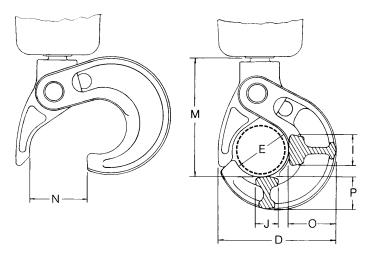
Note: For other hook suspensions or special configurations, contact factory

CM Alloy Latchlok hooks

Latchlok hooks combine innovative design and solid alloy steel. I-beam construction offers more reliable performance than any other hook on the market. Features include:

- One-hand operation and recessed push-button thumb release for smooth and dependable opening
- Hook remains locked until released by the operator, even if chain goes slack
- Sturdy forged heat treated I-beam construction for strong yet lightweight hooks
- Made in U.S.A.

Specifications



			Clearance dimensions (in.)						Change in standard		
Hoist		Hoist model	D	E	I	J	М	Ν	0	Р	headroom (in.)
Lodestar		A, AA, B, C & F	3 ½16	1 ³ ⁄4	¹⁵ ⁄16	¹³ ⁄16	3 ⁵ /8	1 ³ ⁄8	1 ⁵ ⁄16	1	1
		E & H	3 ½16	1 ³ ⁄4	¹⁵ ⁄16	¹³ ⁄16	3 ⁵ /8	1 ³ ⁄8	1 ⁵ ⁄16	1	¹¹ ⁄16
	Upper	J, JJ, L & LL	3 ⁷ ⁄16	1 ³ ⁄4	¹⁵ ⁄16	¹³ ⁄16	3 ⁵ /8	1 ³ ⁄8	1 ⁵ ⁄16	1	¹¹ ⁄16
		R & RR	4 ¹ ⁄16	17⁄8	1½8	5⁄8	4 ⁹ ⁄16	1 ³ ⁄4	1 ⁵ ⁄8	1½8	¹⁵ ⁄16
		R & RRT	4 ³ ⁄4	2 ¹ ⁄16	1 ¹ /16	1 ³ ⁄8	5 ¹¹ ⁄16	2 ³ ⁄16	1 ⁵ ⁄8	1 ³ ⁄8	2 ¹ /16
		A, AA, B, C & F	3 ½16	1 ³ ⁄4	¹⁵ ⁄16	¹³ ⁄16	3 ⁵ ⁄8	1 ³ ⁄8	1 ⁵ ⁄16	1	1
		E & H	3 ½16	1 ³ ⁄4	¹⁵ ⁄16	¹³ ⁄16	3 5⁄8	1 ³ ⁄8	1 ⁵ ⁄16	1	¹¹ /16
	Lower	J, JJ, L & LL	3 ½16	1 ³ ⁄4	¹⁵ ⁄16	¹³ ⁄16	3 ⁵ ⁄8	1 ³ ⁄8	1 ⁵ ⁄16	1	¹¹ ⁄16
		R & RR	4 ¹ ⁄16	17⁄8	1 ¹ ⁄8	5⁄8	4 ¹ /2	1 ³ ⁄4	1 ⁵ ⁄8	1 ¹ ⁄8	7⁄8
		RT & RRT	4 ³ ⁄4	2 ¹ ⁄16	1 ¹ 1⁄16	1 ³ ⁄8	5 ¹¹ ⁄16	2 ³ ⁄16	1 ⁵ ⁄8	1 ³ ⁄8	2 ¹ ⁄16

CM Lodestar Latchlok lower hook

Available for models A, AA, B, C, F, J, JJ, L, LL, R, RR, RT & RRT. CM product code must be specified when order is placed

* **AWARNING**

Overloading and improper use can result in injury.

To avoid injury:

- Do not exceed working load limit, load rating or capacity.
- Do not use to lift people or loads over people.
- Use only alloy chain for overhead lifting.
- Read and follow all instructions.

Rugged control station (optional)

Completely sealed control station is rated NEMA 4 for:

- Impact-resistant control station for extreme durability
- Snap-action contacts for positive control and reduced downtime caused by electrical arcing
- Internal strain relief made from high-strength aircraft cable prevents control cable from being pulled out of hoist or control station
- Low voltage (120 volts) control circuit

Heavy-duty hoist motor with regenerative braking

Hoist motor designed for industrial applications. Integral motor design:

- Meets or exceeds HMI (Hoist Manufacturing Institute) duty cycle rating for heavy duty service (H4)
- Provides efficiency and cooler operation for longer life
- Gives substantially higher duty cycle for greater productivity
- Uses efficient regenerative braking that avoids heat generation or power reduction in power train
- Single speed or 3:1 two speed option
- 30 minute rated motor

Simple installation and service

Accessible design makes the CM Lodestar hoist the easiest electric chain hoist to install and service, featuring:

- Completely identified wiring for fast, simple connections
- Easy access to working parts for fast troubleshooting and repair
- Reduced maintenance for less downtime, greater productivity
- Three phase single speed models offer simple voltage change for adaptability to different applications
- Easy voltage change makes any single speed three phase Lodestar usable on either 230 or 460 volts — eight quickconnect terminals are transferred in seconds

Solid state starting switch

115 volt single phase Lodestar hoists are equipped with an instant reverse, solid-state switch that:

- Eliminates the mechanical centrifugal mechanism and reversing switch, the most common sources of unscheduled maintenance and motor burnout in single phase hoists
- Reduces stress on starting capacitor with elimination of moving parts in motor start/reverse switch
- Improves electrical reliability, reducing downtime

Cast aluminum alloy housing and covers

Integral frame and housing design provides lightweight, low profile hoist for:

- Minimum headroom/maximum lift
- Better heat dissipation from motor, brake and gear train for increased productivity
- Factory weatherproofing available for use in adverse conditions
- Acid-resistant, durable powder coated finish is standard



W HOIS

Hardened steel chain guides

Chain guides completely surround the liftwheel to:

 Maintain proper load chain fit
Jam-resistant chain feed for reduced maintenance and downtime

Machined alloy steel heat treated liftwheel

- Precision machined and heat treated for additional strength and durability
- Smooth, reliable operation
- Reduced wear for longer liftwheel, chain guide and chain life
- True vertical lift

Lifetime lubricated machined and heat treated gears

Simple spur and helical triple reduction gear system operates in grease and provides:

- Superior service and maintenance characteristics
- Smooth operation/reduced wear
- No oil changes required
- No oil contamination of loads or work area
- No troublesome seals to leak or replace
- Lifetime lubricated ball bearings support load bearing, rotating shafts

Disc type electric hoist brake

Heavy-duty electric hoist brake provides positive load control. Performance features:

- Securely holds load, even in event of power or phase failure
- Eliminates heat buildup found in mechanical type braking systems
- Requires little maintenance, few adjustments
- All 1/2 2 horsepower Lodestars

Extra long lift adjustable screw limit switches are standard equipment

Tailor hoist operation to suit your specific application. Adjustable screw limit switches:

- Come factory set for full hook travel, but easily adjust for any desired position
- Prevent dangerous overtravel of hoist load chain
- Holds limit settings even after engaging Protector

Standard overload protection

CM Lodestar Protector takes the worry out of hoist operation through:

- Positive overload protection that prevents lifting of dangerous overloads
- Extra security in the event of limit switch misadjustment or misphasing of power leads

Drop forged, heat treated hooks and special lifting chain

Superior quality overhead lifting chain, plus forged suspension and load hooks provide:

- Higher strength for lifting confidence
- Greater durability for longer life
- CM Hoistaloy load chain for maximum strength and wear resistance.



Product code† less suspension Standard Lift Model Approximate Rated Motor Reeving capacity* (tons) speed** (F.P.M.) shipping weight (lbs.) lift H.P. 115-1-60 230/460-3-60 (ft.) 1⁄4 А 1⁄2 AA 1⁄4 А 1⁄8 1/2 AA 1⁄4 А 1⁄2 AA 1⁄4 в 1/2 С 1⁄4 в $\frac{1}{4}$ 1/2 С 1⁄4 в 1⁄2 С 1⁄4 Е 1/2 F J JJ 1/4 Е 1/2 F 1/2J JJ 1⁄4 Е 1/2 F J JJ 1/2 н L LL 1/2 н L LL 1⁄2 н L LL R RR R RR R RR RT з 5.5 RRT з З 5.5 RT з RRT з 5.5 RT з RRT з

Industrial specifications — single speed — orange paint

†Single speed hoist factory wired 460V, convertible to 230V

**Lifting speed is 5/6 the listed speed for 50 hz

Note: Black finish must be specified on order

Rated capacity* (tons)	Standard lift (ft.)	Lift speed** (F.P.M.)	Motor H.P.	Model	Reeving	Product less susp 230-3-60	pension	Approximate shipping weight (lbs.)
1/8	10	10/32	1⁄4	A2	1	2707	2708	70
/8 -	10	20/60	1/2	AA2	1	2717	2718	74
1⁄4 -	10	5/16	1⁄4	B2	1	2727	2728	70
/4 -	10	10/32	1/2	C2	1	2737	2738	74
	10	2.5/8	1⁄4	E2	2	2747	2748	79
1/2 -	10	5/16	1/2	F2	1	2757	2758	74
/2	10	10/32	1	J2	1	3502	3503	116
_	10	21/64	2	JJ2	1	3549	3550	130
	10	2.5/8	1/2	H2	2	2767	2768	83
1	10	5/16	1	L2	1	3504	3505	116
	10	10/32	2	LL2	1	3553	3554	130
2 -	10	2.5/8	1	R2	2	3506	3507	136
	10	5/16	2	RR2	2	3561	3562	150
3	10	1.75/5.5	1	RT2	3	9511	9513	161
3	10	3.5/11	2	RRT2	3	9512	9514	175

Industrial specifications — two speed — orange paint

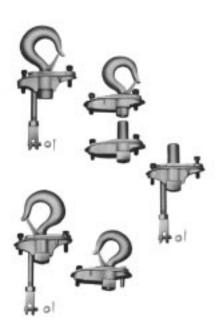
**Lifting speed is 5/6 the listed speed for 50 hz

+Specify voltage 230 or 460

Note: Black finish must be specified on order

Industrial suspension specifications — orange paint

Туре	Product code	Models	Approximate weight (lbs.)
Swivel hook	2792	A-AA-B-C-F	2
Swivel hook	2793	E-H	4
Swivel hook	3661	J-L-JJ-LL	4
Swivel hook	3660	R-RR	9
Swivel hook	9557	RT-RRT	8
Rigid lug for low head trolley	2778	A-AA-B-C-F	2
Rigid lug for low head trolley	2779	E-H	4
Rigid lug for low head trolley	3677	J-L-JJ-LL	4
Rigid lug for low head trolley	3668	R-RR	6
Rigid lug for low head trolley	9561	RT-RRT	9
Rigid hook	2788	A-AA-B-C-F	2
Rigid hook	2789	E-H	3
Rigid hook	3651	J-L-JJ-LL	4
Rigid hook	3658	R-RR	6
Rigid hook	9559	RT-RRT	9



Note: 3 ton lug suspension prevents hoist from rotating but allows hoist to articulate below trolley

Note: Black finish must be specified on order

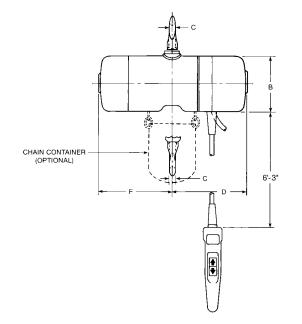
***AWARNING**

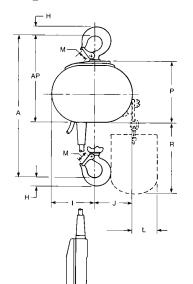
Overloading and improper use can result in injury.

To avoid injury:

- Do not exceed working load limit, load rating or capacity.
- Do not use to lift people or loads over people.
- Use only alloy chain for overhead lifting.
 - Read and follow all instructions.

Lodestar with hook suspension





Clearance dimensions (in.)

Lodestar models	A,B,C,F and AA	E and H	J, L, JJ and LL	R	RR	RT and RRT
А	16 ¹ /4	19 ⁵ ⁄8	18 9⁄16	24 ¹ ⁄8	24 ¹ ⁄8	29 ⁹ ⁄16
В	6 ¹ ⁄8	6 ¹ ⁄8	7 ⁵ ⁄8	7 ⁵ ⁄8	7 ⁵ ⁄8	7 ⁵ ⁄8
С	¹¹ ⁄16	7⁄8	7⁄8	1 ¹ ⁄8	1 ¹ ⁄8	1 ¹ ⁄8
D	11	11	9 ¹ /2	9 ¹ ⁄2	9 ¹ /2	9 ¹ ⁄2
F	7 ³ ⁄4	7 ³ ⁄4	10 ¹¹ ⁄16	10¹¹/ 16	10¹¹/ 16	10¹¹/ 16
н	1	1 ³ ⁄16	1 ³ ⁄16	1 ¹ ⁄2	1 ¹ /2	1 ¹ ⁄2
1	4 ¹³ ⁄16	37⁄8	7 ¹ /4	6 ³ ⁄16	6 ³ ⁄16	6³⁄ 16
J	3 ¹⁵ ⁄16	47⁄8	5 ⁷ ⁄16	6 ¹ ⁄2	6 ¹ /2	6 ¹ /2
L	1 ¹¹ ⁄16	1 ¹¹ ⁄16	⁷ ⁄16	7⁄16	7⁄16	7⁄16
М	1	1 ¹ ⁄8	1 ¹ ⁄8	1 5⁄16	1 5⁄16	1 ⁵ ⁄16
Р	6 ⁵ ⁄8	6 ⁹ ⁄16	7 ¹³ ⁄16	7 ¹³ ⁄16	7 ¹³ ⁄16	7 ¹³ ⁄16
R*	9 ⁷ ⁄8	12 ⁷ ⁄8	12 ⁷ ⁄8	18 ⁷ ⁄8	18 ⁷ ⁄8	24 ⁷ ⁄8
AP	9 ¹ ⁄4	9 ⁹ ⁄16	10 ¹¹ /16	11 ³ ⁄16	11 ³ ⁄16	12 ⁹ ⁄16

* Based on 10 ft. lift and increases proportionately with longer lifts



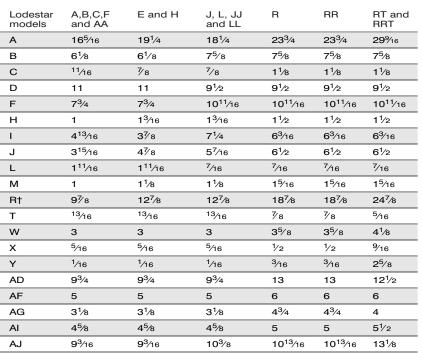
***AWARNING**

Overloading and improper use can result in injury.

- To avoid injury:
- Do not exceed working load limit, load rating or capacity.
- Do not use to lift people or loads over people.
- Use only alloy chain for overhead lifting.
- Read and follow all instructions.

Lodestar with Series 635 low headroom trolley

Designed for attachment by use of rigid lug suspension to give extra low headroom. Self-aligning steel side frames and hardened steel wheels with crowned tread and precision ball bearings. (Flat black powder coat finish)



Clearance dimensions (in.)

†Based on 10 ft. lift and increases proportionately with longer lifts

Dimensions T, W, X, Y, AI, and AJ are based on minimum beams and will vary proportionately for larger beams. 6'-3" drop of control station is for 10 foot lift hoist and increases proportionately for longer lifts.

Suspension specifications

Product code	Models
2778	A-AA-B-C-F
2779	E-H
3677	J-L-JJ-LL
3668	R-RR
9561	RT-RRT
	2778 2779 3677 3668

Note: 3 ton lug suspension prevents hoist from rotating but allows hoist to articulate below trolley

Specifications – Low Headroom Trolley

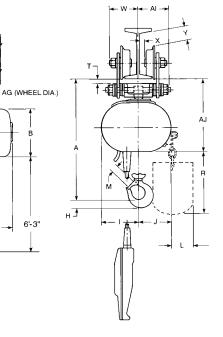
Std. range of adjust. Am. standard S-beam

			Am. stanc	ard o bearris			
Rated capacity* (tons)	Product code	Models	Depth (in.)	Flange width (in.)	Tread diameter (in.)	Minimum radius curve (in.)	Approximate shipping weight (lbs.)
¹∕8 to 1	3575	A – LL	4 – 15	2 ⁵ ⁄8 – 5 ⁵ ⁄8	3 ¹ ⁄8	24	22
2	3569	R – RR	6 – 18	3 ³ ⁄8 – 6	43⁄4	24	52
3	9576	RT – RRT	8 – 15	4 – 55⁄8	43⁄4	30	58

Note: Rigid lug suspension required for attaching to hoist. Apply for other than standard beam adjustment.

Beam end stop omitted for picture clarity

For beam sizes other than those listed, contact factory



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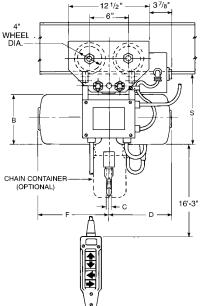
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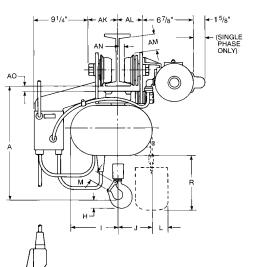
CHAIN CONTAINER (OPTIONAL)



Lodestar with Series 635 motor driven trolley

The motor driven trolley is self-contained and supplied with independent wiring and controls, including a fourdirection control station, ready for attachment to any model by means of lug suspension. Provides easier, speedier and more efficient load transportation. (Flat black powder coat finish)





Clearance dimensions (in.)

Lodestar model†	A,B,C,F and AA	E and H	J, L, JJ and LL	R	RR	RT and RRT
А	16¹³⁄ 16	19 ³ ⁄4	18½	23 ³ ⁄4	23 ³ ⁄4	30 ¹ ⁄8
В	6 ¹ /8	6 ¹ ⁄8	75⁄8	75⁄8	75⁄8	7 ⁵ ⁄8
С	¹¹ ⁄16	7⁄8	7⁄8	1 1⁄8	1 ¹ ⁄8	1 1⁄8
D	11	11	9 ½	9 ½	9½	9 ¹ /2
F	73⁄4	7 ³ ⁄4	10 ¹¹ ⁄16	10 ¹¹ ⁄16	10 ¹¹ ⁄16	10 ¹¹ ⁄16
н	1	1 ³ ⁄16	1 ³ ⁄16	1½	11⁄2	1 ½
1	4 ¹³ ⁄16	37⁄8	71⁄4	6 ³ ⁄16	6 ³ ⁄16	6 ³ ⁄16
J	3 ¹⁵ ⁄16	47⁄8	51/16	6½	61⁄2	6 ¹ /2
L	1 ¹¹ ⁄16	1 ¹¹ ⁄16	7∕16	7⁄16	7⁄16	7⁄16
М	1	1 ¹ ⁄8	1 ¹ ⁄8	1 5⁄16	1 5⁄16	1 5⁄16
R**	9 ⁷ ⁄8	127⁄8	12 ⁷ ⁄8	18 ⁷ ⁄8	18 ⁷ ⁄8	247⁄8
S	9 ¹¹ ⁄16	9 ¹¹ ⁄16	105⁄/8	10 ¹³ ⁄16	10 ¹³ ⁄16	13 ¹ ⁄8
AK	3 ³ ⁄4	3 ³ ⁄4	3 ³ ⁄4	3 ³ ⁄4	3 ³ ⁄4	4 ¹ ⁄4
AL	3 ¹ /4	3 ¹ ⁄4	3 ¹ ⁄4	3¼	31⁄4	33⁄4
AM	5⁄8	5⁄8	⁵ ⁄8	5⁄8	5⁄8	25⁄8
AN	5⁄16	⁵ ⁄16	5⁄16	5⁄16	5⁄16	⁹ ⁄16
AO	7⁄8	7⁄8	7⁄8	7⁄8	7⁄8	1

**Based on 10 ft. lift and increases proportionately with longer lifts

Dimensions S, AK, AL, AM, and AO are based on minimum beams and will vary proportionately for larger beams. 16'-3" drop of control station is for 20 foot lift hoist.

For beam sizes other than those listed, contact factory.

†Note: Rigid lug suspension required for attaching to hoist

Suspension specifications

Product code	Models
2992	A-AA-B-C-F
2993	E-H
3679	J-L-JJ-LL
3668	R-RR
9561	RT-RRT
	2992 2993 3679 3668

Note: Beam end stop omitted for picture clarity



Rated capacity* (tons)	Product code	For use with model	Power supply	Standard travel speed (F.P.M.)	Motor H.P.	Std. range <u>Am. std. S</u> Depth (in.)		Minimum radius curve (in.)	Approx. shipping weight (lbs.)
1⁄8 - 2	3670	A-RR	115-1-60	75	1⁄4	6 – 15	3 ³ ⁄8 - 5 ⁵ ⁄8	30	118
1⁄8 - 2	3671	A-RR	230-3-60	75	1⁄4	6 – 15	3 ³ ⁄8 - 5 ⁵ ⁄8	30	118
1⁄8 - 2	3672	A-RR	460-3-60	75	1⁄4	6 – 15	3 ³ ⁄8 - 5 ⁵ ⁄8	30	118
3	9577	RT-RRT	115-1-60	75	1⁄4	8 – 15	4 – 55⁄8	30	120
З	9578	RT-RRT	230-3-60	75	1⁄4	8 – 15	4 - 55⁄8	30	120
3	9579	RT-RRT	460-3-60	75	1⁄4	8 – 15	4 - 55⁄8	30	120
1⁄8 - 2	9315	A-RR	115-1-60	30	1⁄4	6 – 15	3 ³ ⁄8 - 5 ⁵ ⁄8	30	113
1⁄8 - 2	9316	A-RR	230-3-60	30	1⁄4	6 – 15	3 ³ ⁄8 - 5 ⁵ ⁄8	30	113
1⁄8 - 2	9317	A-RR	460-3-60	30	1⁄4	6 – 15	3 ³ ⁄8 - 5 ⁵ ⁄8	30	113
3	9318	RT-RRT	115-1-60	30	1⁄4	8 – 15	4 - 55⁄8	30	120
З	9319	RT-RRT	230-3-60	30	1⁄4	8 – 15	4 - 55⁄8	30	120
3	9320	RT-RRT	460-3-60	30	1⁄4	8 – 15	4 - 55⁄8	30	120

Specifications — motor driven trolley

Can be modified to fit larger beams

Flat tread wheel available

Beam size and voltage required for ordering

Apply for other than standard travel speeds

Industrial style chain container

Convenient chain containers are available for installation on every model. Container stores slack chain and removes it from work area. (Flat black powder coat finish)

Specifications

Product code	Lodestar hoist model	Maximum length of lift (ft.)	Length of chain bucket (in.)
2450	A-AA-B-C-F	10	8
2451	E-H	10	11
2451	A-AA-B-C-F	20	11
2451	J-JJ-L-LL	10	11
2453	R-RR	10	17
2453	J-JJ-L-LL	20	17
2452	E-H-J-JJ-L-LL	15	14
2453	E-H	20	17
2455	R-RR	15	23
2456	R-RR	20	31
2455	RT-RRT	10	23
2457	RT-RRT	15	36
2457	RT-RRT	20	36
2458	A-AA-B-C-F	140	48
2458	E-H	70	48
2458	J-JJ-L-LL	90	48
2458	R-RR	45	48
2458	RT-RRT	30	48



***AWARNING**

Overloading and improper use can result in injury.

To avoid injury:

- Do not exceed working load limit, load rating or capacity.
- Do not use to lift people or loads over people.
- Use only alloy chain for overhead lifting.
- Read and follow all instructions.