

Hoists

CM Prostar series

Lightweight, quiet and portable. The CM Prostar is designed and built for the unique rigging needs encountered at small venues. Featuring an overload device that protects the hoist, operator and structure from damaging overloads.

Specifications

- › Capacities: 300 to 1000 LBS
- › Lift: 60 feet standard
- › Speeds: 8 to 40 feet/minute
- › Voltages: Single & 3-phase available

Key features

- › **DC Electro-Mechanical double brakes**
Non-adjusting for low maintenance and quiet operation
- › **Gearing**
Precision machined gears heat treated for strength and durability
- › **Chain guide**
One piece jam free for smooth operation
- › **Housing**
Lightweight, cast aluminum, durable and tough black powder coated finish for low visibility
- › **Lift wheel**
CM patented 10 pocket oblique lift wheel for quiet and smooth operation
- › **Low voltage control**
110 Volt for long cable runs without voltage drop
Optional 24 and 48 volt versions
- › **Duty cycle**
H-4 duty rated, designed for heavy duty applications



Standard features

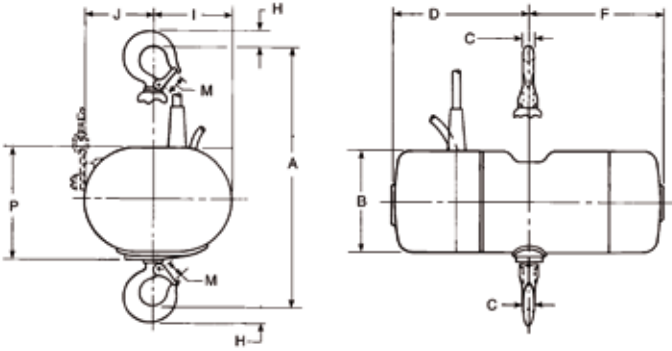
- › **Overload protection**
Helps prevent lifting of dangerous overloads
Mounted on Load Chain to prevent over-travel
- › **Metric rated**
- › **Load chain**
Designed and manufactured by Columbus McKinnon
Zinc plated against corrosion
Optional black phosphate finish
- › **The Industry's best lifetime warranty**
- › **Meets or exceeds world standards**

Optional features

- › **Chain bag**
Easy-to-mount cloth type bags
- › **Double brake**
- › **Encoder**

Hoists

CM Lodestar series



DIMENSIONS

DRAWING LEGEND	LODESTAR MODELS		
	B, C, F	J, JJ, L, LL	R, RR
A	16.20"	18.5625"	24.125"
B	6.08"	7.62"	7.62"
C	.67"	.875"	1.125"
D	11.80"	10.03"	10.03"
F	8.94"	13.01"	13.01"
H	1"	1.1875"	1.5"
I	4.46"	6.93"	5.57"
J	4.22"	5.69"	7.05"
M	1"	1.125"	1.3125"
P	6.62"	8.22"	8.22"



SPECIFICATIONS

MODEL	RATED LOAD TON*	LIFTING SPEED (FPM)	MOTOR HP	OPERATING VOLTAGE **	FULL LOAD AMPS	WORK RATING HMI	WORK RATING FEM	REEVING	PROTECTION CLASS	NOISE LEVEL	LIFT (FEET)**
B	1/4	16	1/4	230/460 - 3 - 60	1.8/1.1	H4	2M+	1	IP54	73 dB	60
C	1/4	32	1/2	230/460 - 3 - 60	2.2/1.3	H4	2M+	1	IP54	73 dB	60
F	1/2	16	1/2	230/460 - 3 - 60	2.2/1.3	H4	2M+	1	IP54	73 dB	60
J	1/2	32	1	230/460 - 3 - 60	3.7/2.2	H4	2M+	1	IP54	73 dB	60
JJ	1/2	64	2	230/460 - 3 - 60	7.9/5.0	H4	2M+	1	IP54	73 dB	60
L	1	16	1	230/460 - 3 - 60	3.7/2.2	H4	2M+	1	IP54	73 dB	60
LL	1	32	2	230/460 - 3 - 60	7.9/5.0	H4	2M+	1	IP54	73 dB	60
R	2	8	1	230/460 - 3 - 60	3.7/2.2	H4	2M+	2	IP54	73 dB	60
RR	2	16	2	230/460 - 3 - 60	7.9/5.0	H4	2M+	2	IP54	73 dB	60

* Metric Tons

** Single Phase Models available

*** Lifts other than 60 ft available (Standard Units shipped less chain unless specified)

Consult factory for additional speeds and capacities



1) LIFT WHEEL

5 Pocket Liftwheel increases chain and liftwheel engagement while providing smoother lifting, less vibration, and reduced chain wear when properly maintained.



2) BRAKE

Heavy Duty DC Brake is standard. AC Brake and Double DC Brake are also available.



3) LIMIT SWITCH

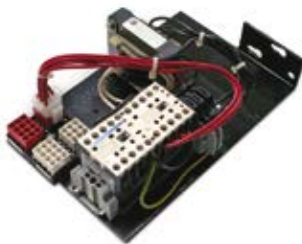
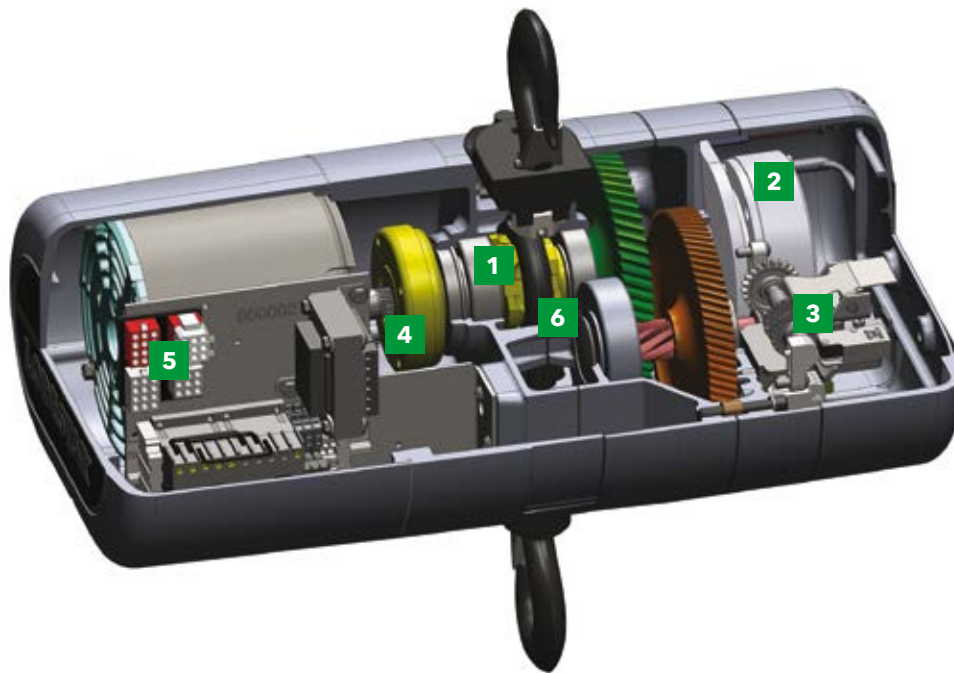
Adjustable screw limit switch that will automatically stop the hook at any predetermined point when either hoisting or lifting.

GT



4) CLUTCH

Designed to prevent lifting of excessive loads. Located outside the gear box. Adjustable and easy to access.



5) CONTROL PANEL

Provides easy access to controls. Plug and play connectors allow for quick voltage change for dual voltage motors. Fuses located on terminal strip (optional).



6) INTERNAL CHAIN GUIDE

Stamped steel guide coated for corrosion resistance and quiet operation, while keeping the load chain and liftwheel aligned.



LOAD CHAIN

Sizes available from 1/4 in. to 5/16 in. Meets or exceeds many national and international standards. Zinc plating comes as standard. Black phosphate finish available. 100% proof tested.

Hoists

Stagemaker



Innovations

- › Hoist body is powder coated with black, protective 70µm paint, allowing it to perform under the most extreme conditions
- › Hoist meets ecology regulations and is RoHS compliant
- › New "Perfect Push" patented concept, which uses a 5 pocket load wheel, fitted with 5 intermediate teeth. This innovation improves guiding and flow of the chain, which helps reduce the risk of the chain jamming
- › Chainflux design provides a horizontal flow of the chain from the load wheel. This design, along with high strength aluminum construction, allows for a more fluid flow of the chain into the chain bag and helps reduce the risk of jammed chains.
- › Motor design provides consistent speeds when both fully loaded or unloaded
- › Electrical components designed for "plug and play" connectivity

Improved ergonomics

- › Rubber buffers on the corners of the hoist provide added protection
- › New ergonomic design of the retractable, rubber clad handgrips, allow for easy transportation
- › The lifting hook has an ergonomic, rubber clad gripping surface

Types of control

- › Config A – Direct voltage control
- › Config B – 3 phase with low voltage control

Technical specifications

- › Complies with CE, CSA and Ghost standards
- › Easy changeover between body up and body down positions
- › Electric limit switch as standard on config B
- › Hoist comes with a black chain
- › Specially designed ChainFlux MKII® chain guide
- › New "Perfect Push®" 5 pocket load wheel with 5 intermediate guide teeth
- › ACF control board (config A)
- › Adjustable torque limiter
- › Maintenance-free DC disk brake
- › Power options:
 - › 208v/230v/3Ph/60Hz
 - › 460v/3Ph/60Hz
 - › 415v/3Ph/50Hz
- › Black hoist body (RAL 7021)
- › Rotating upper and lower hooks along with fixed body hook available
- › Retractable, rubber clad handgrips
- › Lifting hook with ergonomic, rubber clad gripping surface
- › High capacity, reversible chain bag
- › Available plugs:
 - › CE type plugs (config A, direct control hoist only)
 - › 7 pin
 - › Dual Twist Lock
 - › P14
 - › L14-20 or XLR for local control

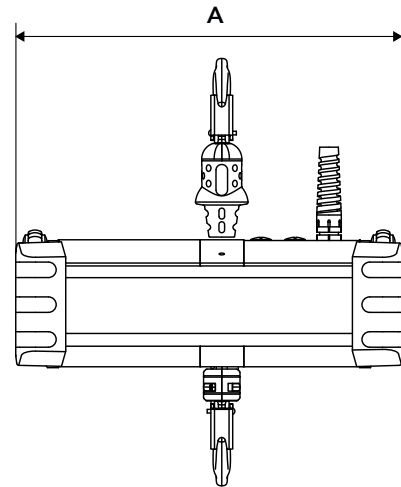
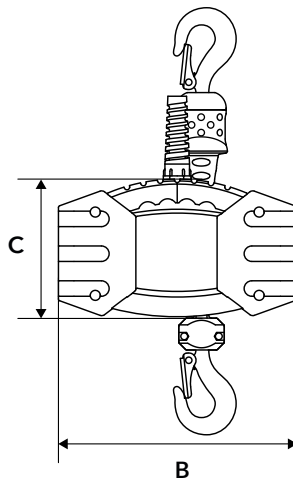
OPERATING CONFIGURATIONS



BODY UP



BODY DOWN



SPECIFICATIONS

LOAD CAPACITY	MODEL	SPEED (M/MIN)	SPEED (FPM)	NUMBER OF FALLS	CHAIN SIZE	DIMENSIONS						HOIST WEIGHT (WITHOUT CHAIN)		CHAIN WEIGHT	
						A		B		C		kg	lb	kg/m	lb/ft.
						mm	inch	mm	inch	mm	inch				
250 kg 1/4 ton	SR2 254 m2	4	16	1	4 x 11	425	16.7	250	9.8	150	5.9	20.1	44.3	.37	.247
	SR2 258 m2	8	32	1	4 x 11	425	16.7	250	9.8	150	5.9	20.1	44.3	.37	.247
	SR2 2516 m2	16	64	1	4 x 11	425	16.7	250	9.8	175	5.9	20.1	44.3	.37	.247
500 kg 1/2 ton	SR5 504 m2	4	16	1	4 x 11	472	18.6	290	11.4	175	6.9	29.6	65.3	.57	.384
	SR2 508 m2	8	32	1	4 x 11	472	18.6	290	11.4	175	6.9	29.6	65.3	.57	.384