

# LODESTAR® D8+

## ELECTRIC CHAIN MOTOR

CAPACITIES	LIFT	SPEEDS	VOLTAGES
250 kg to 1300 kg	18 metre standard***	2 to 16 metre/minute	3-phase available

The Lodestar D8+ meets all Standard SR2.0 requirements. It's clutch, outside the load path, acts as a precise overload device; and design factor is 10:1 with a double brake installed. The Lodestar D8+ is in accordance with the VPLT Code of Practice.

### BENEFITS & FEATURES

#### 10:1 MECHANICAL DESIGN FACTOR

#### ELECTRO-MECHANICAL DOUBLE BRAKES

#### 5 POCKET LIFT WHEEL

For quiet & smooth operation.

#### 68 DB OPERATIONAL NOISE

A result of the Double Brake System.

#### GEARING

Precision machined gears heat treated for strength and durability.

#### INTERNAL CHAIN GUIDE

PVC black coated for quieter operation.

#### LOW VOLTAGE CONTROL

110 Volt for long cable runs without voltage drop. 24 & 48 Volt optional.

#### DUTY CYCLE

H-4 duty rated for heavy duty application. 2M+ FEM class. 40% Duty Cycle or 300 on/off per hour. H4.

#### IP65 PROTECTION CLASS

#### ADJUSTABLE CLUTCH

Clutch outside of gear train meets International standards and is fully adjustable. Designed to prevent damage to the hoist by preventing excessive overloads.

#### DURABLE & LIGHTWEIGHT HOUSING

Cast aluminum. Black powder coated finish for low visibility.

#### METRIC RATED LOAD CHAIN

Designed and manufactured by Columbus McKinnon to provide a factor of safety of 8:1. Zinc plated to protect against corrosion. Black phosphate finish optional.

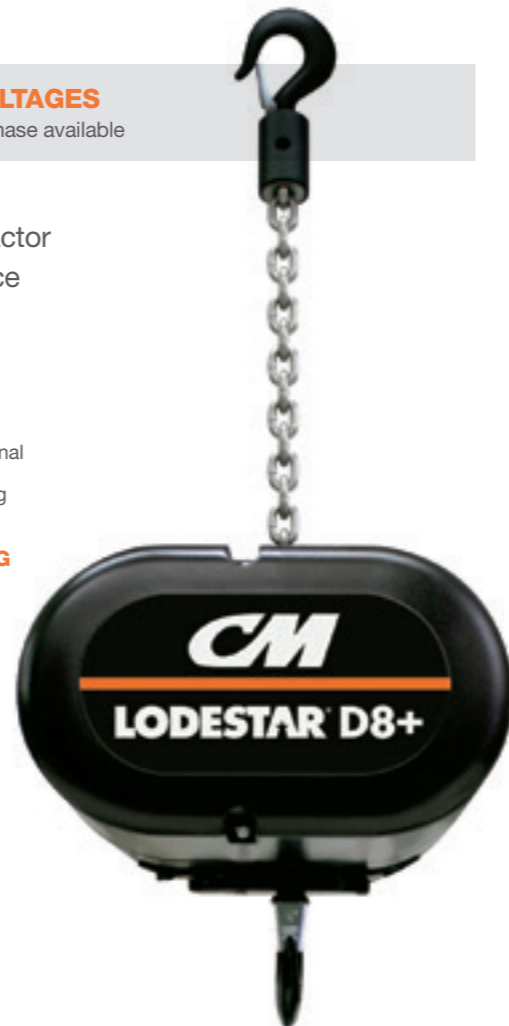
#### THE INDUSTRY'S BEST LIFETIME WARRANTY

#### MEETS OR EXCEEDS WORLD STANDARDS

Meets all Standards.

#### CHAIN STOP

Mounted on load chain to prevent overtravel. Standard on all Lodestars.



### SPECIFICATIONS

Type	Rate Capacity	Standard Lifting Speed at 50Hz	Operating Voltage	FEM Class	FEM Duty Factor	Chain Weight Per Metre Lift-EWL	Load Chain EN 818-7 (mm)	Power Consumption - Full Load	Reeves Fall of Chain	Motor HP	Protection Class	Noise Level
Model C	125kg	8m/min	400-3-50	2M	40%	1.2kg	6.3 x 18.9	1.2A	1	1/2 HP	IP 65	68 db (A)
Model F	250kg	4m/min	400-3-50	2M	40%	1.2kg	6.3 x 18.9	1.2A	1	1/2 HP	IP 65	68 db (A)
Model J	250kg	8m/min	400-3-50	2M	40%	1.65kg	7.9 x 21.7	2.3A	1	1 HP	IP 65	68 db (A)
Model JJ	500kg	16m/min	400-3-50	2M	40%	1.65kg	7.9 x 21.7	3.6A	1	2 HP	IP 65	68 db (A)
Model LL	500kg	8m/min	400-3-50	2M	40%	1.65kg	7.9 x 21.7	3.6A	1	2 HP	IP 65	68 db (A)
Model L	650kg	4m/min	400-3-50	2M	40%	1.65kg	7.9 x 21.7	2.3A	1	1 HP	IP 65	68 db (A)
Model R	1300kg	2m/min	400-3-50	2M	40%	3.3kg	7.9 x 21.7	2.3A	2	1 HP	IP 65	68 db (A)
Model RR	1000kg	4m/min	400-3-50	2M	40%	3.3kg	7.9 x 21.7	3.6A	2	2 HP	IP 65	68 db (A)

\*\*\* Lifts other than 18 metres available (Standard Units shipped less chain unless specified).

# PROSTAR®

## ELECTRIC CHAIN MOTOR

CAPACITIES	LIFT	SPEEDS	VOLTAGES
136 kg to 500 kg	18 metre standard***	2.4 to 12 metre/minute	3-phase available

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.

### BENEFITS & FEATURES

#### DC ELECTRO-MECHANICAL 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 strong 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. 24 and 48 Volt optional.

#### DUTY CYCLE

H-4 duty rated, designed for heavy duty application. FEM 2m.

#### OVERLOAD PROTECTION

Helps prevent lifting of dangerous overloads.

#### CHAIN STOP

Mounted on Load Chain prevents over-travel.

#### METRIC RATED

#### LOAD CHAIN

Designed and manufactured by Columbus McKinnon. Zinc plated to protect against corrosion. Black phosphate finish optional.

#### THE INDUSTRY'S BEST LIFETIME WARRANTY

#### OPTIONAL FEATURES

##### CHAIN BAG

Easy-to-Mount Cloth Type Bags.

##### DOUBLE BRAKE ENCODER

UPPER SWIVEL HOOK SUSPENSION



### SPECIFICATIONS

Rate Capacity	Reeves of Full Chain	Motor HP	Lifting Speed	Hoist Weight (Un-chained)	Chain Weight Per Metre	Full Load Amps	
						1-Phase	3-Phase
136kg	1	1/6	4.8m/min	12.7	0.35kg	3.6	.6" / 1.2"
136kg	1	1/6	4.8m/min	12.7	0.35kg	-	.6" / 1.1"
226kg	1	1/6	4.8m/min	12.7	0.35kg	-	.7" / 1.2"
226kg	1	1/6	3.7m/min	12.7	0.35kg	4	-
272kg	2	1/6	2.4m/min	16.3	0.7kg	3.6	.6" / 1.1"
272kg	2	1/6	2.4m/min	16.3	0.7kg	3.6	.6" / 1.1"
500kg	2	1/6	2.4m/min	16.3	0.7kg	-	.7" / 1.2"

\*415 volt operation. \*\*220 volt operation.

Rate Capacity	Lift Speed	Operating Voltage			
		Single Phase		Three Phase	
136kg	4.8m/min	115-1-50/60	220-1-50/60	220-3-50/60	415-3-50/60
136kg	7.3m/min	-	-	220-3-50/60	415-3-50/60
136kg	12m/min	-	-	220-3-50/60	415-3-50/60
226kg	3.7m/min	115-1-50/60	220-1-50/60	-	-
226kg	4.8m/min	-	-	220-3-50/60	415-3-50/60
226kg	6m/min	-	-	220-3-50/60	415-3-50/60
272kg	2.4m/min	115-1-50/60	220-1-50/60	-	-
272kg	3.7m/min	-	-	220-3-50/60	415-3-50/60
500kg	1.8m/min	115-1-50/60	220-1-50/60	-	-
500kg	2.4m/min	-	-	220-3-50/60	415-3-50/60
500kg	3.7m/min	-	-	220-3-50/60	415-3-50/60

\*\*\* Lifts other than 18 metres available (Standard Units shipped less chain unless specified).

### DIMENSIONS

Drawing Legend	Reeving	
	Single	Double
A	279mm	308mm
B	75mm	89mm
C	73mm	60mm

