

# PROSTAR® ELECTRIC CHAIN MOTOR

**CAPACITIES**

136 to 453 kg

**LIFT**

18 metre standard\*\*\*

**SPEEDS**

2.4 to 12 metre/minute

**VOLTAGES**

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**

**MEETS OR EXCEEDS WORLD STANDARDS**

**OPTIONAL FEATURES**

**CHAIN BAG**

Easy-to-Mount Cloth Type Bags.

**DOUBLE BRAKE**

**ENCODER**

**UPPER SWIVEL HOOK SUSPENSION**



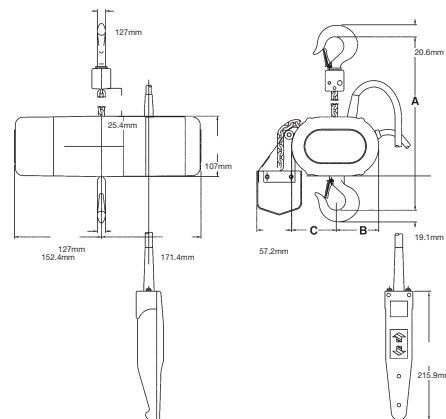
**SPECIFICATIONS**

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