

**EX3**  
TECHNOLOGY

CHAIN HOIST  
CHAIN HOIST  
CHAIN HOIST

CONTROLLER  
CONTROLLER  
CONTROLLER

SAFE · PRECISE · CERTIFIED





The brand name EXE® identifies a range of products designed for the entertainment & exhibition markets, offering a range of equipment engineered to safely manoeuvre stage equipment, scenery, video walls & other related structures...before, during and after your performance.



Managing increasingly complex events, led us to imagine a world where our most advanced series and third-party products interact with each other. It's a unique and ambitious project, that we called **ONE FOR ALL**: it's the open source system capable of interaction with third-party producers. A decisive step forward for the interaction of various technologies within the same event.

**ALL FOR ONE** is designed as a fully integrated system including 'smart' hoists and intelligent controllers, offering plug and play devices. It is the integration between equipment designed to operate as a 'single' stage machine

# CHAIN HOIST

## CASSIFICATION

D8

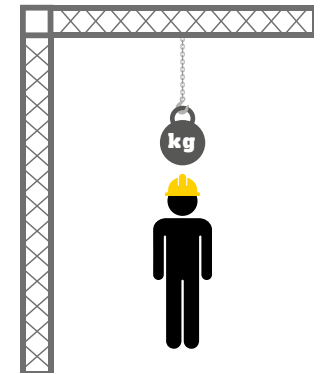
D8

with secondary safety equipment

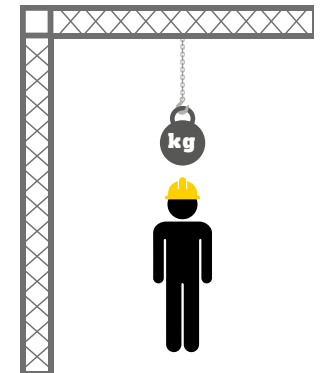
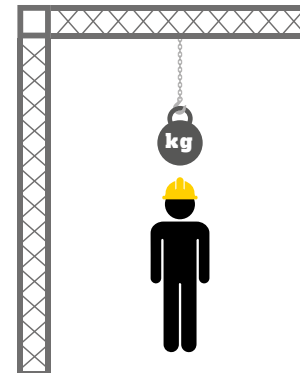
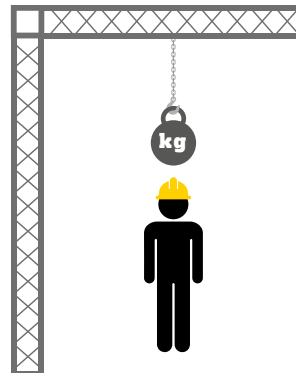
D8 Plus

C1

ASSEMBLY AND DISASSEMBLY



LOAD HOLDING



# CHAIN HOIST

## MECHANISM CLASSIFICATION

### VERTICAL MOVEMENTS

| ISO 4301 | FEM 9.511 | DUTY FACTOR OF MOTOR | MINUTES PER HOUR<br><i>Uniformly Distributed Work Period</i> | STARTS PER HOUR | HOUR PER DAY | HOUR / 10 YEARS<br>Bearing Time |
|----------|-----------|----------------------|--|-----------------|--------------|---------------------------------|
| M1       | 1Dm       | 15%                  | 9  | 90              | ≤ 0,25       | 400                             |
| M2       | 1Cm       | 20%                  | 12   | 120             | ≤ 0,5        | 800                             |
| M3       | 1Bm       | 25%                  | 15   | 150             | ≤ 1          | 1600                            |
| M4       | 1Am       | 30%                  | 18   | 180             | ≤ 2          | 3200                            |
| M5       | 2m        | 40%                  | 24   | 240             | ≤ 4          | 6300                            |
| M6       | 3m        | 50%                  | 30   | 300             | ≤ 8          | 12500                           |

| RATE OF LOADING | Average time of supposed daily operation<br>$T_m$ (hour)                    |         | to 0.25   | from 0.25 to 0.5 | from 0.5 to 1 | from 1 to 2 | from 2 to 4 | from 4 to 8 | from 8 to 16 |
|-----------------|---|---------|-----------|------------------|---------------|-------------|-------------|-------------|--------------|
|                 | Rate of loading Total operating Time (hour)                                 |         | to 400    | to 800           | to 1600       | to 3200     | to 6300     | to 12500    | to 25000     |
| LIGHT           | When normally working with approx. 1/3 of W.L.L. and rarely with W.L.L.     | ISO FEM | --        | M1<br>1Dm        | M2<br>1Cm     | M3<br>1Bm   | M4<br>1Am   | M5<br>2m    | M6<br>3m     |
| MEDIUM          | When normally working with approx. 1/3 to 2/3 of W.L.L. and sometime W.L.L. | ISO FEM | M1<br>1Dm | M2<br>1Cm        | M3<br>1Bm     | M4<br>1Am   | M5<br>2m    | M6<br>3m    | M7<br>4m     |
| HEAVY           | When normally working with approx. to 2/3 of W.L.L. and often with W.L.L.   | ISO FEM | M2<br>1Cm | M3<br>1Bm        | M4<br>1Am     | M5<br>2m    | M6<br>3m    | M7<br>4m    | M8<br>5m     |
| VERY HEAVY      | When normally working with W.L.L. or near W.L.L.                            | ISO FEM | M3<br>1Bm | M4<br>1Am        | M5<br>2m      | M6<br>3m    | M7<br>4m    | M8<br>5m    | --           |



# CHAIN HOIST

## FEATURES



### SELF CLIMBING OR STANDARD SUSPENSION

Self climbing or Standard Suspension, without any adjustments required. Swivel hooks on the chain and body reduces the risk of chain twist and allows easy positioning.



### BODY

The BODY is made in cast aluminium to be as light, yet as strong as possible. The matte black finish is corrosion resistant and non reflective.



### CHAIN-BAG BRACKET

The CHAIN-BAG BRACKET allows the hoist to be used motor up or down. The design ensures the bag is positioned correctly to accept chain without the need for any adjustment, reducing the chance of chain spills.



### EXTERNAL CHAIN GUIDE

Made from a special PVC is used to minimise the chance of chain jamming should the chain become twisted. This sacrificial plate helps protect both the chain and internal chain guides. (Extra Large body hoists are equipped with a steel guide plate).



### CHAIN

CHAIN is a DAT type, RTS chain made of galvanized alloy steel grade 80 and complies with the standard DIN EN 818-7. Available in BLACK colour with T grade and DAT type. The quality is RTS and the surface is phosphate.



### DOUBLE BRAKE & SINGLE BRAKE

**DOUBLE BRAKE:** EXE Rise are supplied with double brake as standard. The brakes are supplied as complete units which allows for trouble free use and quick and easy inspection.  
**SINGLE BRAKE:** EXE Ace are supplied with single brake as standard



### IRON AND ASBESTOS FREE BRAKE

IRON AND ASBESTOS FREE BRAKE shoes and stainless steel brake discs will not rust in the presence of moisture, preventing brake assemblies from seizing.



### CLUTCH

Clutch outside the load path positioned on the motor shaft in front of the motor assembly. With this arrangement, the brakes will hold the load in the unlikely event of a clutch failure.



### GEAR BOX

GEAR BOX is manufactured with a thicker aluminum wall, comparing to the rest of the body, to respond to the very stringent mechanical requirements.



### BEARING GREASE

BEARING GREASE on medium and large frame and OIL on extra large frame. They are high load, designed for the effective lubrication and protection of plain bearings and sliding surfaces used in extreme environments, particularly in heavily loaded.



# CHAIN HOIST

## FEATURES



### HANDLES

EXE Rise chain hoists have handles that work in either orientation. Regulations state handles shall be provided to make access to hoist the easy in any orientation.



### LOAD WHEEL

All EXE Rise chain hoists have load wheels with 5 pockets; this ensures compliance with European standards and delivers a smooth, quiet movement. Load wheels are heat treated.



### LOW OPERATIONAL NOISE

With just 67.5 dBA the EXE Rise chain hoist are very silent and now you can do take the quiet jobs.



### HERTZ / VOLT

EXE Rise chain hoist technical data have been calculated considering European power and control supply 230/400VAC - 3 - 50Hz. On request it is possible to have technical data at the different power and control supply and at the different frequency values.



### CE MARK

EXE Rise hoists are CE marked in accordance with the requirements of the machinery directive 2006/42/EC.





01

## **EXE RISE D8+ CHAIN HOIST FIXED SPEED, PERFORMANCE ORIENTED, MADE IN ITALY**

Fixed speed D8+ EXE Rise chain hoists have been specifically designed to satisfy the demanding needs and requests of the entertainment and touring market. Years of research and development have contributed to an extremely performance-oriented, precise and safe range of hoists that see customer trust increasing exponentially all over the world.

The electrical-mechanical features and high quality components of the hoist body are made in Italy, making EXE Rise chain hoists unique and unmatched on the international market.

Corrosion resistant aluminium alloy frames, non-reflective matte finish, housing a 5 pocket load wheel, complete double-brake units, and a clutch positioned outside of the load path. High quality D-A-T, case hardened steel chain either zinc plated, or black phosphated. Alloy steel swivel hooks with spring-loaded latches and the working load limit boldly marked at the chain hook.

All EXE Rise chain hoists are D8 plus with a safety factor of 8-to-1 and can be ordered with either direct or low voltage control. Compatibility with all EXE Drive and EXE Sense motor controllers, and the possibility of equipping them with an encoder, limit switch and load cell, allow EXE Rise chain hoists to meet all of our customers needs.



# Overview

## EXE RISE D8+ FIXED SPEED CHAIN HOISTS

1 FALL

DIRECT CONTROL

LOW VOLTAGE CONTROL

| MEDIUM FRAME<br>ULTRA COMPACT  | MEDIUM FRAME<br>COMPACT  | MEDIUM FRAME   | LARGE FRAME<br>1 REEVE   | EXTRA LARGE FRAME<br>COMPACT   | EXTRA LARGE FRAME  |  |
|--|--|--|--|--|--|--|
| 250kg  | 350kg  | 500kg  | 1000kg   | 1600kg   | 2000kg   | 2500kg   |
|   |   |   |   |   |   |   |
|  |  |  |  |  |  |  |

+

+

+

+

+

+

+

2 FALL

DC / LVC

| DOUBLE REEVE PULLEY   |   |   | DOUBLE REEVE PULLEY / CHAIN HOOK  | DOUBLE REEVE CHAIN HOOK   |   |   |
|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |

2x WLL

CHAIN HOIST



**EXE**  
**RISE**

□ **D8+ 250kg**

**MEDIUM FRAME ULTRA COMPACT**

CHAIN HOIST

**EXE** 250 kg  
**RISE** **D8 Plus**



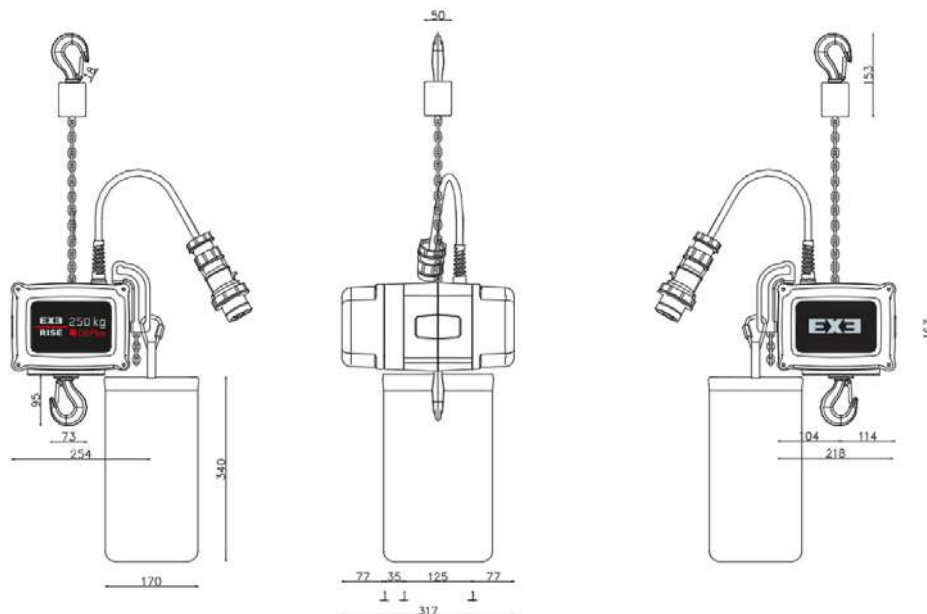
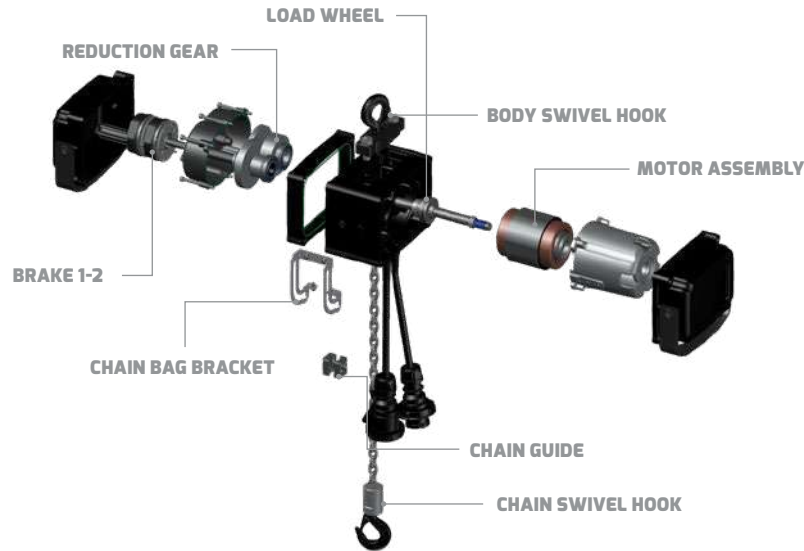
### GENERAL FEATURES

|                                      |  |
|--------------------------------------|--|
| MODEL                                | EXE Rise chain hoist D8+ 250kg DC                                    |
| TYPE OF CONTROL                      | Direct   |
| FEM CLASS                            | 2m   |
| DUTY FACTOR                          | 40%  |
| START PER HOUR                       | 240  |
| BEARING TIME / 10 YEARS              | 6300h  |
| FALLS OF CHAIN                       | 1  |
| TYPE OF CHAIN                        | DIN EN 818-7 - type DAT steel 80 grade Zinc galvanized or phosphated |
| SIZE OF CHAIN                        | 5x15 mm  |
| CHAIN SELF-WEIGHT                    | 0.54 kg/m  |
| SAFETY FACTOR                        | 8:1  |
| IP RATE                              | 55   |
| INSULATION CLASS (TEMPERATURE CLASS) | F according to CEI 15-26   |
| LOAD WHEEL                           | 5 pockets  |
| NOISE LEVEL                          | 67.5 dB @ full load  |
| CONNECTION CABLE LENGHT              | 75 ± 5 cm  |

The **EXE Rise D8+ 250kg Medium Frame Ultra Compact chain hoist** is made from extremely light cast aluminum. Its low profile frame makes it ideal for squeezing into small spaces and achieving the greatest possible headroom in low-ceiling venues. This lightweight, compact hoist is ideal for wedding receptions, corporate event venues, and for simple rigs in educational, religious or theatrical settings.

# EXE RISE D8+ 250kg

## MEDIUM FRAME ULTRA COMPACT



The values are reported in mm.

| DIRECT CONTROL   |                                  |
|--|----------------------------------|
| WORKING LOAD LIMIT   | 250 kg                           |
| FREQUENCY  | 50 Hz                            |
| LIFTING SPEED  | 4m/min $\pm$ 1%                  |
| MOTOR POWER  | 0.36 kW                          |
| OPERATING VOLTAGE $\Delta$ /Y                                  | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT  | $\Delta$ 1.84 A - Y 1.06 A       |
| $\Delta$ POWER SUPPLY CONNECTOR (*)                            | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR                                       | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE   | 1400                             |
| NUMBER OF BRAKES   | 2                                |
| DC BRAKE SIZE  | 06                               |
| DC BRAKE POWER   | 20 W                             |
| DC BRAKE OPERATING VOLTAGE                                     | 103 VDC                          |
| DC BRAKE RATED TORQUE  | 4 Nm                             |
| DC BRAKE RATED TORQUE REDUCTION AT THE SPEED SPECIFICATION x % | 87% (1500 r/min)                 |
| DC BRAKE GAP (SL)  | 0.2 mm                           |
| LIMIT SWITCH (*)   | 2 positions                      |
| ENCODER (*)  | Incremental or Absolute          |
| SELF-WEIGHT  | 19.5 kg                          |

**D8+ 198KG MODEL ALSO AVAILABLE**



OTHER OPERATING VOLTAGE & FREQUENCY ARE AVAILABLE



**EXE**  
**RISE**

□ **D8+ 350kg**

**MEDIUM FRAME COMPACT**

CHAIN HOIST



### GENERAL FEATURES

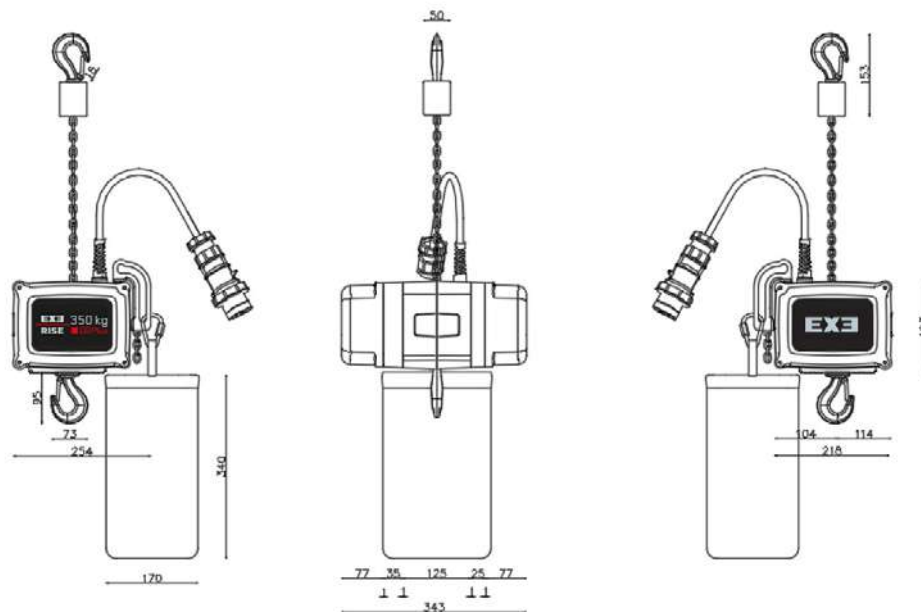
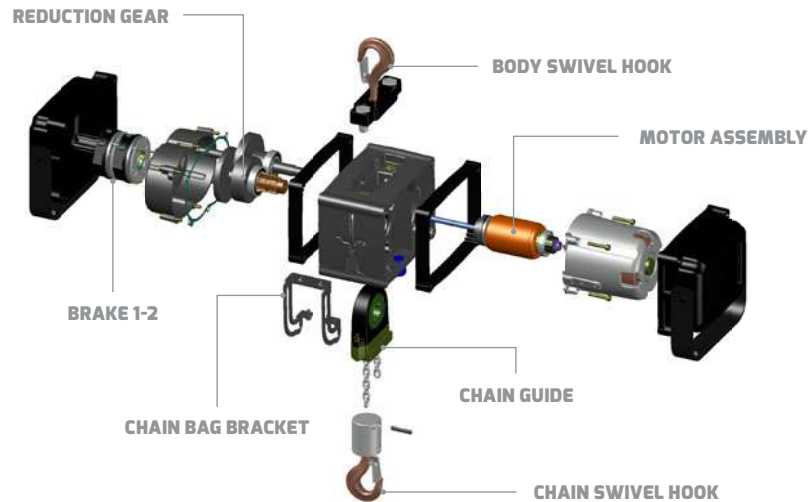
|   |   |
|---|---|
| MODEL (*)                               | EXE Rise chain hoist D8+ 350kg DC/LVC                                   |
| TYPE OF CONTROL                         | Direct or Low Voltage   |
| FEM CLASS                               | 2m  |
| DUTY FACTOR                             | 40%   |
| START PER HOUR                          | 240   |
| BEARING TIME / 10 YEARS                 | 6300h   |
| FALLS OF CHAIN                          | 1   |
| TYPE OF CHAIN                           | DIN EN 818-7 - type DAT steel 80 grade<br>Zinc galvanized or phosphated |
| SIZE OF CHAIN                           | 5x15 mm   |
| CHAIN SELF-WEIGHT                       | 0.54 kg/m   |
| SAFETY FACTOR                           | 8:1   |
| IP RATE                                 | 55  |
| INSULATION CLASS<br>(TEMPERATURE CLASS) | F according to CEI 15-26  |
| LOAD WHEEL                              | 5 pockets   |
| NOISE LEVEL                             | 67.5 dB @ full load   |
| CONNECTION CABLE LENGHT                 | 75 ± 5 cm   |

(\*) Also available 250kg FEM CLASS 3m

**The EXE Rise D8+ 350kg Medium Frame Compact chain hoist** is made from extremely light cast aluminum. Its low profile frame makes it ideal for squeezing into small spaces and achieving the greatest possible headroom in low-ceiling venues. This lightweight, compact hoist is ideal for wedding receptions, corporate event venues, and for simple rigs in educational, religious or theatrical settings.

# EXE RISE D8+ 350kg

## MEDIUM FRAME COMPACT



The values are reported in **mm**. DC model has only one cable.

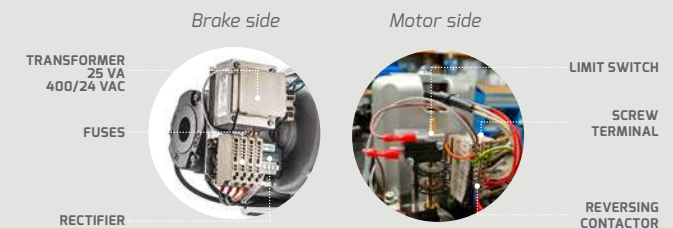
### DIRECT CONTROL

|  |                                  |
|--|----------------------------------|
| WORKING LOAD LIMIT   | 350 kg                           |
| FREQUENCY  | 50 Hz                            |
| LIFTING SPEED  | 4m/min ± 1%                      |
| MOTOR POWER  | 0.5 kW                           |
| OPERATING VOLTAGE Δ/Y  | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT  | Δ 2.94 A - Y 1.70 A              |
| Δ POWER SUPPLY CONNECTOR (*)                                   | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR                                       | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE   | 1400                             |
| NUMBER OF BRAKES   | 2                                |
| DC BRAKE SIZE  | 06                               |
| DC BRAKE POWER   | 20 W                             |
| DC BRAKE OPERATING VOLTAGE                                     | 103 VDC                          |
| DC BRAKE RATED TORQUE  | 4 Nm                             |
| DC BRAKE RATED TORQUE REDUCTION AT THE SPEED SPECIFICATION x % | 87% (1500 r/min)                 |
| DC BRAKE GAP (SL)  | 0.2 mm                           |
| LIMIT SWITCH (*)   | 2 positions                      |
| ENCODER (*)  | Incremental or Absolute          |
| SELF-WEIGHT  | DC: 21.5 kg   LVC: 23kg          |

### LOW VOLTAGE CONTROL

|                          |   |
|--------------------------|---|
| CONTROL SUPPLY CONNECTOR | CEE 16A 4h 24VAC - 3PH + G black socket |
| LIMIT SWITCH             | 2 positions                             |

(\*) only on request



OTHER OPERATING VOLTAGE & FREQUENCY ARE AVAILABLE



**EXE**  
**RISE**

□ **D8+ 500kg**

**MEDIUM FRAME**

CHAIN HOIST



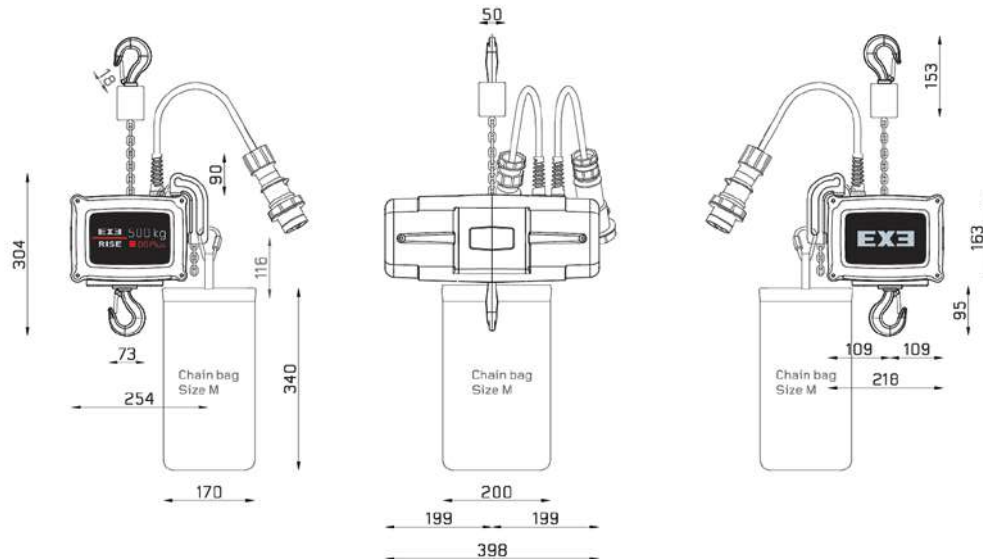
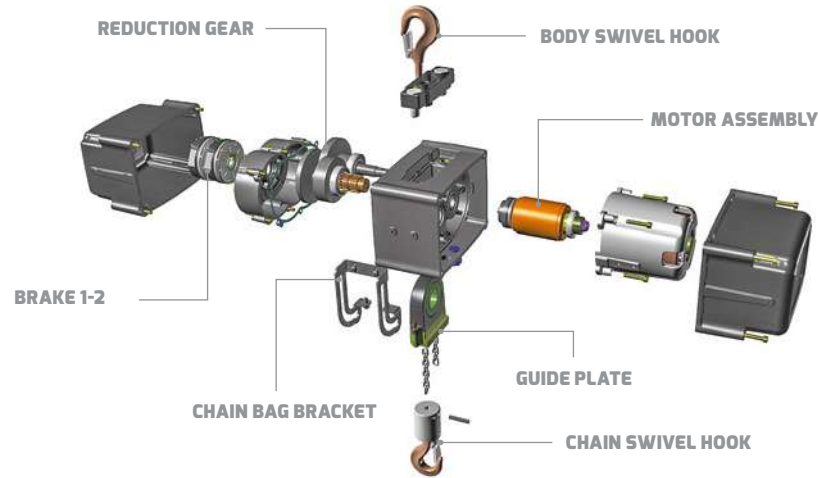
### GENERAL FEATURES

|                                      |  |
|--------------------------------------|--|
| MODEL                                | EXE Rise chain hoist D8+ 500kg                                       |
| TYPE OF CONTROL                      | Direct or Low Voltage  |
| FEM CLASS                            | 2m   |
| DUTY FACTOR                          | 40%  |
| START PER HOUR                       | 240  |
| BEARING TIME / 10 YEARS              | 6300h  |
| FALLS OF CHAIN                       | 1  |
| TYPE OF CHAIN                        | DIN EN 818-7 - type DAT steel 80 grade Zinc galvanized or phosphated |
| SIZE OF CHAIN                        | 6x18 mm  |
| CHAIN SELF-WEIGHT                    | 0.78 kg/m  |
| SAFETY FACTOR                        | 8:1  |
| IP RATE                              | 55   |
| INSULATION CLASS (TEMPERATURE CLASS) | F according to CEI 15-26   |
| LOAD WHEEL                           | 5 pockets  |
| NOISE LEVEL                          | 67.5 dB @ full load  |
| CONNECTION CABLE LENGHT              | 75 ± 5 cm  |

**The EXE Rise D8+ 500kg Medium Frame chain hoist** is made from extremely light cast aluminum. It is small, but mighty with a self-weight of only 24kg. That's a lifting power of 20 times its self-weight making it ideal for soundstages, nightclubs, exhibition halls, concert halls, amphitheatres and other outdoor venues

# EXE RISE D8+ 500kg

## MEDIUM FRAME



The values are reported in **mm**. DC model has only one cable.

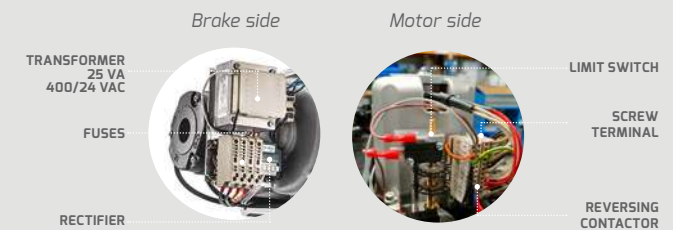
### DIRECT CONTROL

|  |                                  |
|--|----------------------------------|
| WORKING LOAD LIMIT   | 500 kg                           |
| FREQUENCY  | 50 Hz                            |
| LIFTING SPEED  | 4m/min $\pm$ 1%                  |
| MOTOR POWER  | 0.8 kW                           |
| OPERATING VOLTAGE $\Delta$ /Y                                  | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT  | $\Delta$ 3.93 A - Y 2.27 A       |
| $\Delta$ POWER SUPPLY CONNECTOR (*)                            | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR                                       | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE   | 1400                             |
| NUMBER OF BRAKES   | 2                                |
| DC BRAKE SIZE  | 06                               |
| DC BRAKE POWER   | 20 W                             |
| DC BRAKE OPERATING VOLTAGE                                     | 103 VDC                          |
| DC BRAKE RATED TORQUE  | 4 Nm                             |
| DC BRAKE RATED TORQUE REDUCTION AT THE SPEED SPECIFICATION x % | 87% (1500 r/min)                 |
| DC BRAKE GAP (SL)  | 0.2 mm                           |
| LIMIT SWITCH (*)   | 2 positions                      |
| ENCODER (*)  | Incremental or Absolute          |
| SELF-WEIGHT  | 24 kg                            |

### LOW VOLTAGE CONTROL

|                          |   |
|--------------------------|---|
| CONTROL SUPPLY CONNECTOR | CEE 16A 4h 24VAC - 3PH + G black socket |
| LIMIT SWITCH             | 2 positions                             |

(\*) only on request



OTHER OPERATING VOLTAGE & FREQUENCY ARE AVAILABLE



**EXE**  
**RISE**

□ **D8+ 1000kg**

**LARGE FRAME**

CHAIN HOIST

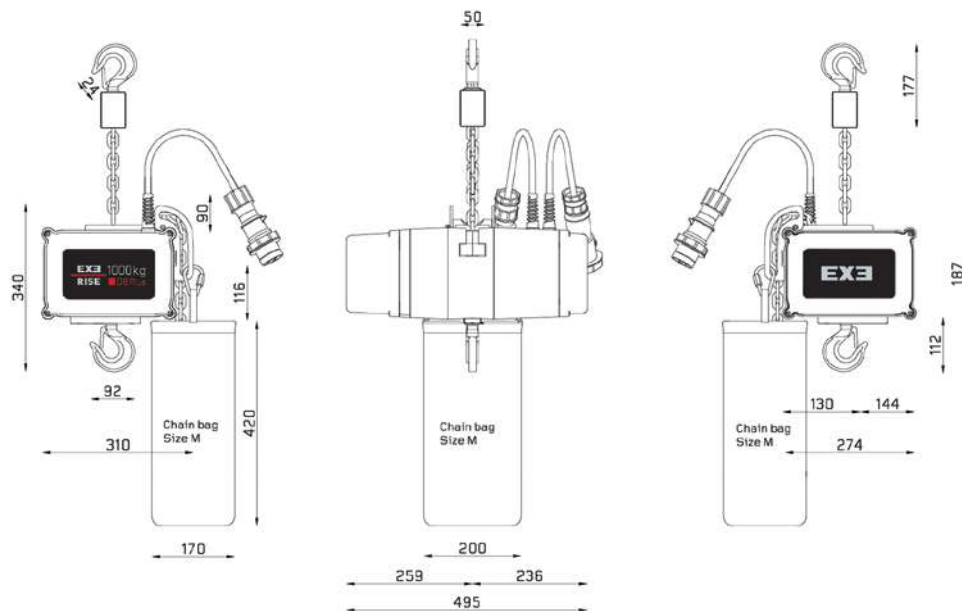
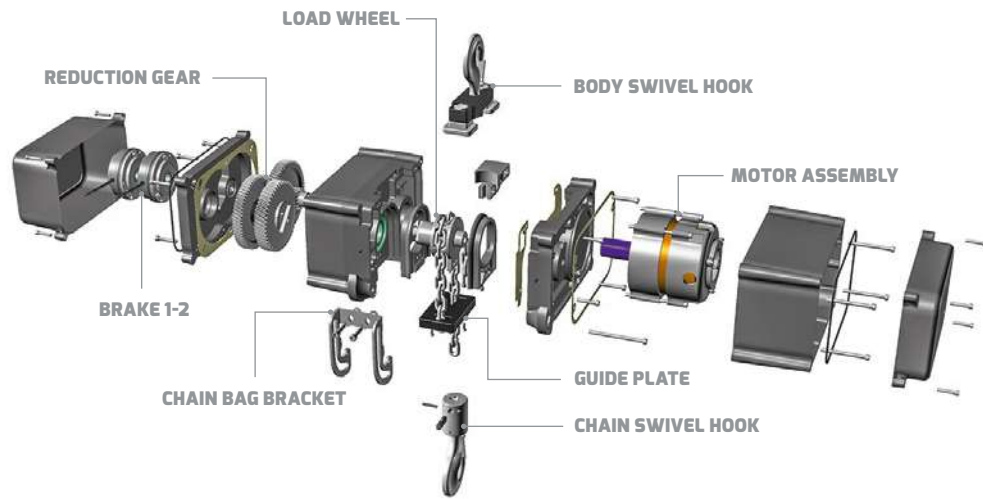
**EXE**  
**RISE** 1000kg  
D8 Plus



### GENERAL FEATURES

|                                      |  |
|--------------------------------------|--|
| MODEL                                | EXE Rise chain hoist D8+ 1000kg                                      |
| TYPE OF CONTROL                      | Direct or Low Voltage  |
| FEM CLASS                            | 2m   |
| DUTY FACTOR                          | 40%  |
| START PER HOUR                       | 240  |
| BEARING TIME / 10 YEARS              | 6300h  |
| FALLS OF CHAIN                       | 1  |
| TYPE OF CHAIN                        | DIN EN 818-7 - type DAT steel 80 grade Zinc galvanized or phosphated |
| SIZE OF CHAIN                        | 8x24 mm  |
| CHAIN SELF-WEIGHT                    | 1.39 kg/m  |
| SAFETY FACTOR                        | 8:1  |
| IP RATE                              | 55   |
| INSULATION CLASS (TEMPERATURE CLASS) | F according to CEI 15-26   |
| LOAD WHEEL                           | 5 pockets  |
| NOISE LEVEL                          | 67.5 dB @ full load  |
| CONNECTION CABLE LENGHT              | 75 ± 5 cm  |

The **EXE Rise D8+ 1000kg Large Frame chain hoist** single fall hoist is made by gravity casting is durably designed for a heavy duty life cycle. This hoist is everlasting with proper care and maintenance, which makes it ideal for the rugged life on-tour. It is a fantastic option for heavier grid systems often seen in festivals, outdoor venues, arenas, and film sets.



The values are reported in **mm**. DC model has only one cable.

# EXE RISE D8+ 1000kg

## LARGE FRAME

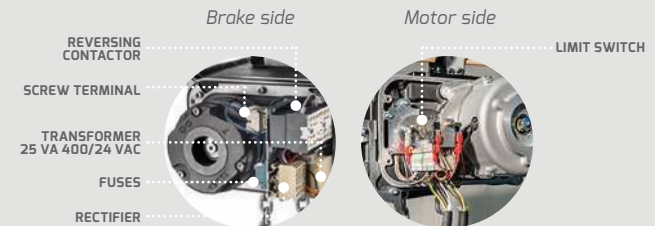
### DIRECT CONTROL

|  |                                  |
|--|----------------------------------|
| WORKING LOAD LIMIT   | 1000 kg                          |
| FREQUENCY  | 50 Hz                            |
| LIFTING SPEED  | 4m/min ± 1%                      |
| MOTOR POWER  | 1.0 kW                           |
| OPERATING VOLTAGE Δ/Y  | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT  | Δ 4.62 A - Y 2.67 A              |
| Δ POWER SUPPLY CONNECTOR (*)                                   | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR                                       | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE   | 1400                             |
| NUMBER OF BRAKES   | 2                                |
| DC BRAKE SIZE  | 08                               |
| DC BRAKE POWER   | 25 W                             |
| DC BRAKE OPERATING VOLTAGE                                     | 103 VDC                          |
| DC BRAKE RATED TORQUE  | 8 Nm                             |
| DC BRAKE RATED TORQUE REDUCTION AT THE SPEED SPECIFICATION x % | 85% (1500 r/min)                 |
| DC BRAKE GAP (SL)  | 0.2 mm                           |
| LIMIT SWITCH (*)   | 2 positions                      |
| ENCODER (*)  | Incremental or Absolute          |
| SELF-WEIGHT  | 43 kg                            |

### LOW VOLTAGE CONTROL

|                          |   |
|--------------------------|---|
| CONTROL SUPPLY CONNECTOR | CEE 16A 4h 24VAC - 3PH + G black socket |
| LIMIT SWITCH             | 2 positions                             |

(\*) only on request



OTHER OPERATING VOLTAGE & FREQUENCY ARE AVAILABLE



**EXE**  
**RISE**

□ **D8+ 2000kg**  
2 REEVES

**LARGE FRAME**

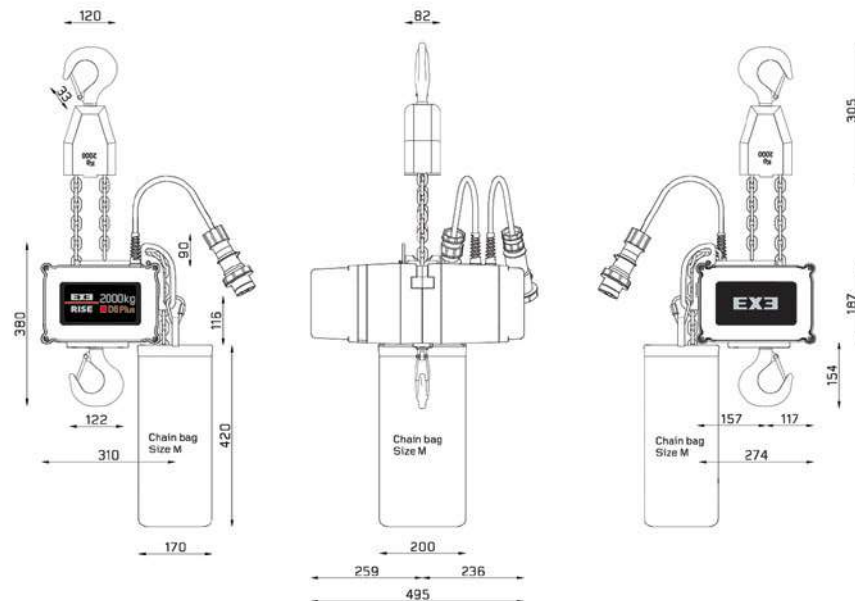
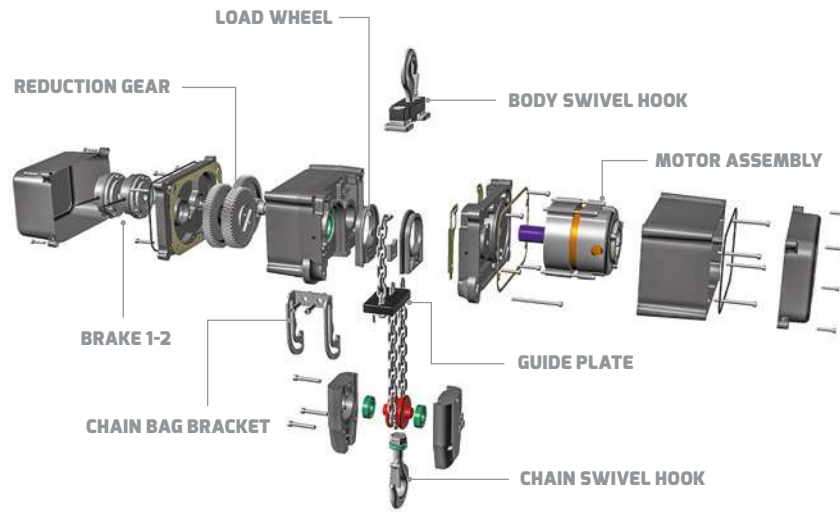
CHAIN HOIST



### GENERAL FEATURES

|                                      |  |
|--------------------------------------|--|
| MODEL                                | EXE Rise chain hoist D8+ 2000kg 2F                                   |
| TYPE OF CONTROL                      | Direct or Low Voltage  |
| FEM CLASS                            | 2m   |
| DUTY FACTOR                          | 40%  |
| START PER HOUR                       | 240  |
| BEARING TIME / 10 YEARS              | 6300h  |
| FALLS OF CHAIN                       | 2  |
| TYPE OF CHAIN                        | DIN EN 818-7 - type DAT steel 80 grade Zinc galvanized or phosphated |
| SIZE OF CHAIN                        | 8x24 mm  |
| CHAIN SELF-WEIGHT                    | 1.39 kg/m  |
| SAFETY FACTOR                        | 8:1  |
| IP RATE                              | 55   |
| INSULATION CLASS (TEMPERATURE CLASS) | F according to CEI 15-26   |
| LOAD WHEEL                           | 5 pockets  |
| NOISE LEVEL                          | 67.5 dB @ full load  |
| CONNECTION CABLE LENGHT              | 75 ± 5 cm  |

**The EXE Rise D8+ 2000Kg Large Frame chain hoist** double fall is made by gravity casting, durably designed for a heavy duty life cycle. This hoist is everlasting with proper care and maintenance, which makes it ideal for the rugged life on-tour. It's a fantastic option for heavier grid systems often seen in festivals, outdoor venues, arenas and film sets.



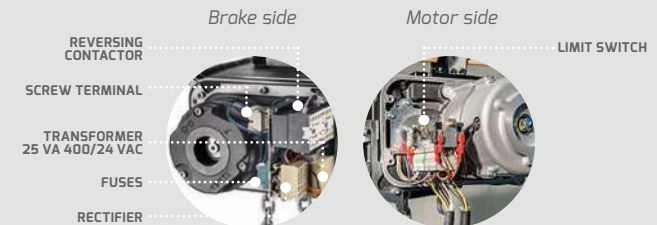
The values are reported in **mm**. DC model has only one cable.

# EXE RISE D8+ 2000kg 2F

## LARGE FRAME

| DIRECT CONTROL   |   |
|--|---|
| WORKING LOAD LIMIT   | 2000 kg                                 |
| FREQUENCY  | 50 Hz                                   |
| LIFTING SPEED  | 4m/min ± 1%                             |
| MOTOR POWER  | 1.6 kW                                  |
| OPERATING VOLTAGE Δ/Y  | 230/400 VAC - 3 - 50 Hz                 |
| 3PH CURRENT  | Δ 8.37 A - Y 4.83 A                     |
| Δ POWER SUPPLY CONNECTOR (*)                                   | CEE 16A 9h 230VAC - 3PH + G plug        |
| Y POWER SUPPLY CONNECTOR                                       | CEE 16A 6h 400VAC - 3PH + G plug        |
| REVOLUTIONS PER MINUTE   | 1400                                    |
| NUMBER OF BRAKES   | 2                                       |
| DC BRAKE SIZE  | 10                                      |
| DC BRAKE POWER   | 30 W                                    |
| DC BRAKE OPERATING VOLTAGE                                     | 103 VDC                                 |
| DC BRAKE RATED TORQUE  | 16 Nm                                   |
| DC BRAKE RATED TORQUE REDUCTION AT THE SPEED SPECIFICATION x % | 83% (1500 r/min)                        |
| DC BRAKE GAP (SL)  | 0.2 mm                                  |
| LIMIT SWITCH (*)   | 2 positions                             |
| ENCODER (*)  | Incremental or Absolute                 |
| SELF-WEIGHT  | 45 kg                                   |
| LOW VOLTAGE CONTROL  |   |
| CONTROL SUPPLY CONNECTOR                                       | CEE 16A 4h 24VAC - 3PH + G black socket |
| LIMIT SWITCH   | 2 positions                             |

(\*) only on request



OTHER OPERATING VOLTAGE & FREQUENCY ARE AVAILABLE



**EXE**  
**RISE**

□ **D8+ 1600kg**  
1 REEVE

**EXTRA LARGE FRAME COMPACT**

CHAIN HOIST



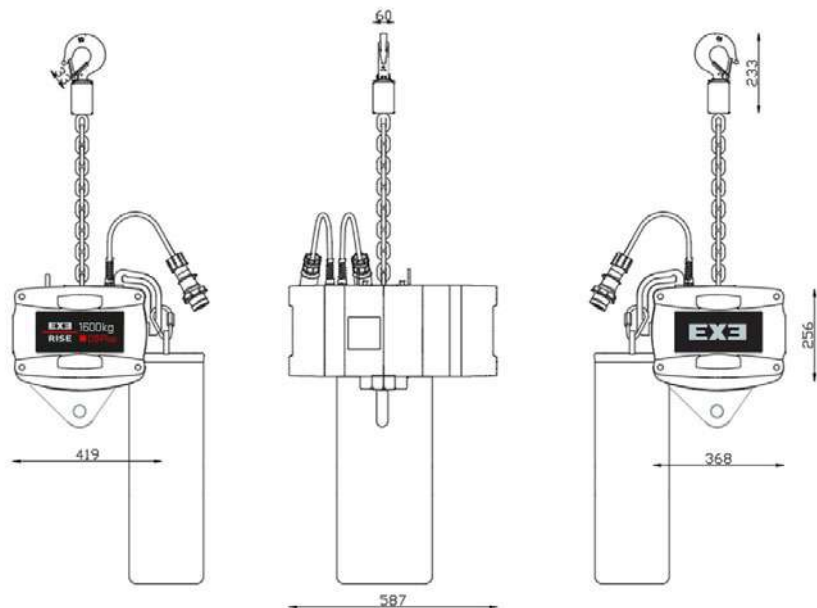
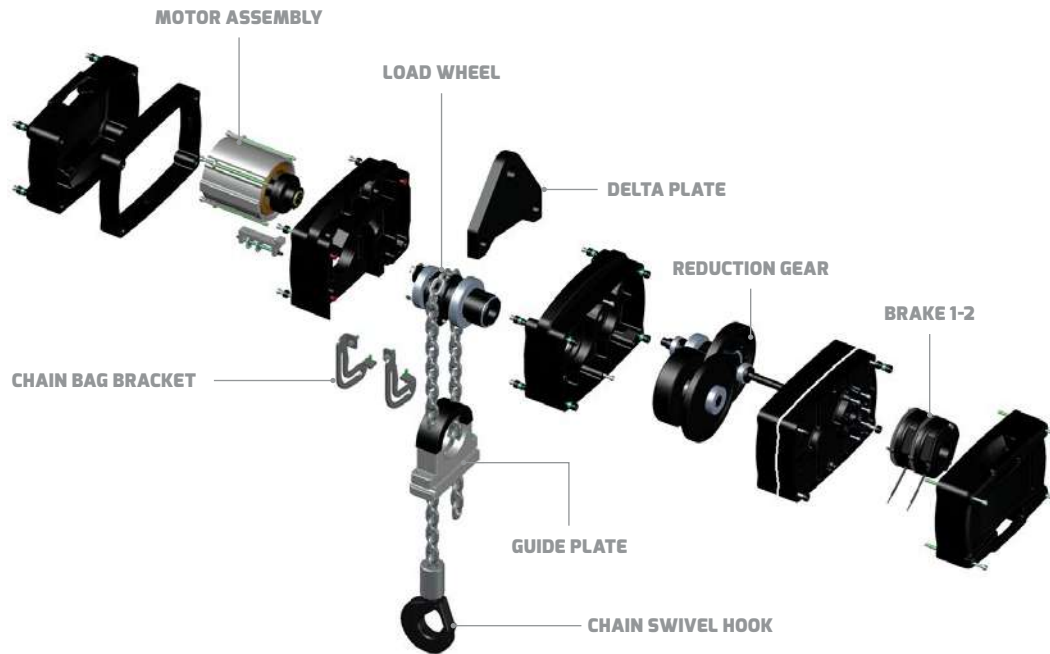
### GENERAL FEATURES

|                                      |  |
|--------------------------------------|--|
| MODEL                                | EXE Rise chain hoist D8+ 1600kg                                      |
| TYPE OF CONTROL                      | Direct or Low Voltage  |
| FEM CLASS                            | 3m   |
| DUTY FACTOR                          | 50%  |
| START PER HOUR                       | 300  |
| BEARING TIME / 10 YEARS              | 12500h   |
| FALLS OF CHAIN                       | 1  |
| TYPE OF CHAIN                        | DIN EN 818-7 - type DAT steel 80 grade Zinc galvanized or phosphated |
| SIZE OF CHAIN                        | 10x28 mm   |
| CHAIN SELF-WEIGHT                    | 2.24 kg/m  |
| SAFETY FACTOR                        | 8:1  |
| IP RATE                              | 55   |
| INSULATION CLASS (TEMPERATURE CLASS) | F according to CEI 15-26   |
| LOAD WHEEL                           | 5 pockets  |
| NOISE LEVEL                          | 67.5 dB @ full load  |
| CONNECTION CABLE LENGHT              | 75 ± 5 cm  |

The **EXE Rise D8+ 1600kg Extra Large Frame Compact chain hoist** is the solution when one-ton isn't enough capacity, but you don't want the monstrosity of a bulkier extra large frame. This beauty has been expertly designed to retain an 8-to-1 safety factor in conformance with D8+ requirements while maintaining its figure. Fashionably safer with a single fall chain to avoid the risk of unintentional twist, which is common with double-reeved hoists. There's enough for you to double-triple-quadruple check. This very capable hoist has a FEM class rating of 3m. Use it for large outdoor structures and permanent installations.

# EXE RISE D8+ 1600kg

## EXTRA LARGE FRAME COMPACT



The values are reported in **mm**. DC model has only one cable.

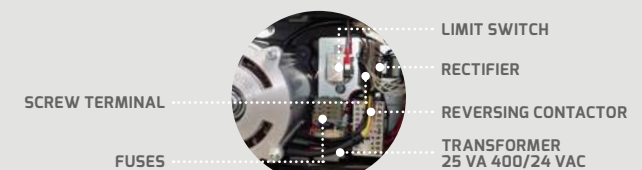
### DIRECT CONTROL

|  |                                  |
|--|----------------------------------|
| WORKING LOAD LIMIT   | 1600 kg                          |
| FREQUENCY  | 50 Hz                            |
| LIFTING SPEED  | 4m/min $\pm$ 1%                  |
| MOTOR POWER  | 2.0 kW                           |
| OPERATING VOLTAGE $\Delta$ /Y                                  | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT  | $\Delta$ 9.9 A - Y 5.7 A         |
| $\Delta$ POWER SUPPLY CONNECTOR (*)                            | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR                                       | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE   | 1400                             |
| NUMBER OF BRAKES   | 2                                |
| DC BRAKE SIZE  | 10                               |
| DC BRAKE POWER   | 30 W                             |
| DC BRAKE OPERATING VOLTAGE                                     | 103 VDC                          |
| DC BRAKE RATED TORQUE  | 16 Nm                            |
| DC BRAKE RATED TORQUE REDUCTION AT THE SPEED SPECIFICATION x % | 83% (1500 r/min)                 |
| DC BRAKE GAP (SL)  | 0.2 mm                           |
| LIMIT SWITCH   | 2 positions                      |
| ENCODER (*)  | Incremental or Absolute          |
| SELF-WEIGHT  | 110 kg                           |

### LOW VOLTAGE CONTROL

|                          |   |
|--------------------------|---|
| CONTROL SUPPLY CONNECTOR | CEE 16A 4h 24VAC - 3PH + G black socket |
| LIMIT SWITCH             | 2 positions                             |

(\*) only on request



OTHER OPERATING VOLTAGE & FREQUENCY ARE AVAILABLE



**EXE**  
**RISE**

□ **D8+ 2000kg**  
1 REEVE

**EXTRA LARGE FRAME**

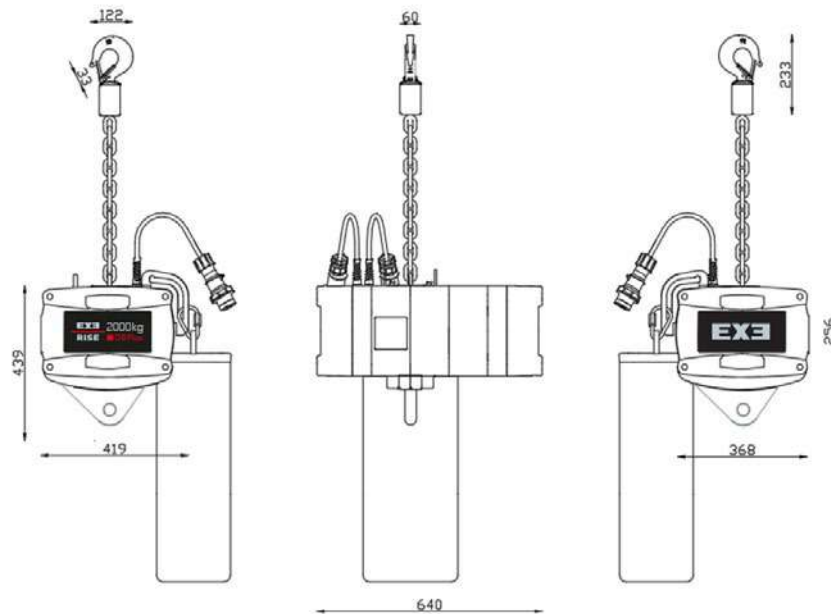
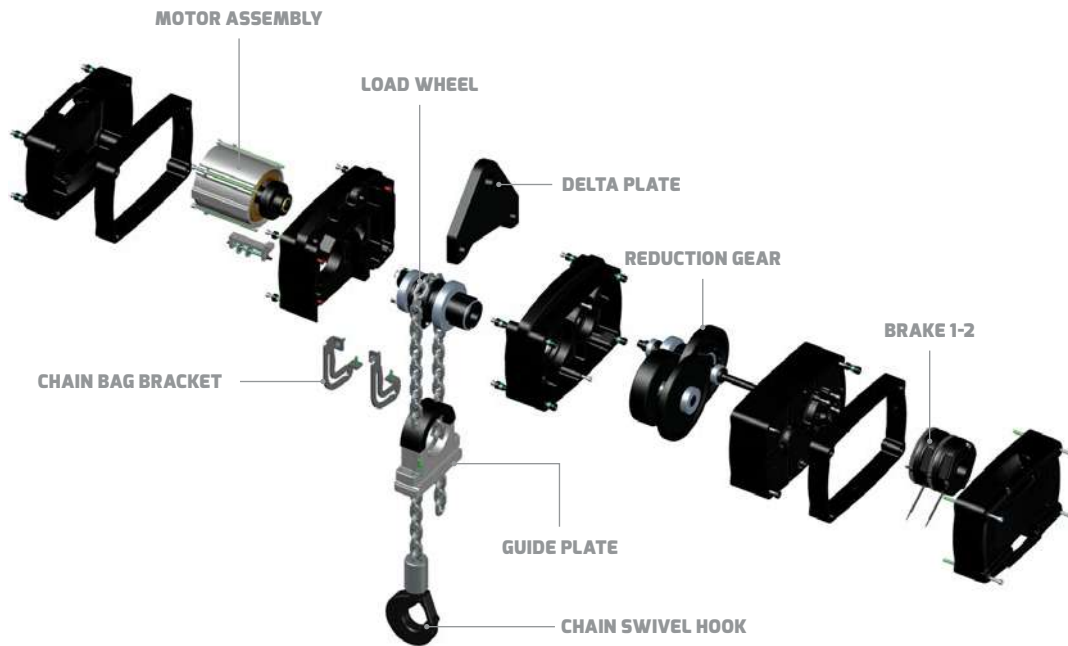
CHAIN HOIST



### GENERAL FEATURES

|                                      |  |
|--------------------------------------|--|
| MODEL                                | EXE Rise chain hoist D8+ 2000kg                                      |
| TYPE OF CONTROL                      | Direct or Low Voltage  |
| FEM CLASS                            | 3m   |
| DUTY FACTOR                          | 50%  |
| START PER HOUR                       | 300  |
| BEARING TIME / 10 YEARS              | 12500h   |
| FALLS OF CHAIN                       | 1  |
| TYPE OF CHAIN                        | DIN EN 818-7 - type DAT steel 80 grade Zinc galvanized or phosphated |
| SIZE OF CHAIN                        | 11.3x31 mm   |
| CHAIN SELF-WEIGHT                    | 2.85 kg/m  |
| SAFETY FACTOR                        | 8:1  |
| IP RATE                              | 55   |
| INSULATION CLASS (TEMPERATURE CLASS) | F according to CEI 15-26   |
| LOAD WHEEL                           | 5 pockets  |
| NOISE LEVEL                          | 67.5 dB @ full load  |
| CONNECTION CABLE LENGHT              | 75 ± 5 cm  |

The **EXE Rise D8+ 2000kg Extra Large Frame chain hoist** single reeve is extremely strong, corrosion resistant and no-reflective as possible due to the body made from cast aluminium with matt black finish. Handling and lifting of the chain hoist is facilitated by handles that work in either operational orientation. The possibility of using the chain hoist in both Standard and Self Climbing positions, combined with its swivel or fixed hook feature, increase practicality and versatility.



The values are reported in **mm**. DC model has only one cable.

# EXE RISE D8+ 2000kg

## EXTRA LARGE FRAME

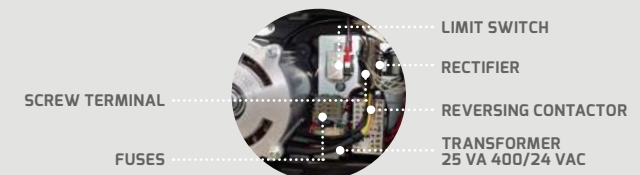
### DIRECT CONTROL

|  |                                  |
|--|----------------------------------|
| WORKING LOAD LIMIT   | 2000 kg                          |
| FREQUENCY  | 50 Hz                            |
| LIFTING SPEED  | 4m/min $\pm$ 1%                  |
| MOTOR POWER  | 2.0 kW                           |
| OPERATING VOLTAGE $\Delta$ /Y                                  | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT  | $\Delta$ 9.9 A - Y 5.7 A         |
| $\Delta$ POWER SUPPLY CONNECTOR (*)                            | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR                                       | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE   | 1400                             |
| NUMBER OF BRAKES   | 2                                |
| DC BRAKE SIZE  | 12                               |
| DC BRAKE POWER   | 40 W                             |
| DC BRAKE OPERATING VOLTAGE                                     | 103 VDC                          |
| DC BRAKE RATED TORQUE  | 32 Nm                            |
| DC BRAKE RATED TORQUE REDUCTION AT THE SPEED SPECIFICATION x % | 81% (1500 r/min)                 |
| DC BRAKE GAP (SL)  | 0.3 mm                           |
| LIMIT SWITCH   | 2 positions                      |
| ENCODER (*)  | Incremental or Absolute          |
| SELF-WEIGHT  | 123 kg                           |

### LOW VOLTAGE CONTROL

|                          |   |
|--------------------------|---|
| CONTROL SUPPLY CONNECTOR | CEE 16A 4h 24VAC - 3PH + G black socket |
| LIMIT SWITCH             | 2 positions                             |

(\*) only on request



OTHER OPERATING VOLTAGE & FREQUENCY ARE AVAILABLE



**EXE**  
**RISE**

□ **D8+ 2500kg**  
1 REEVE

**EXTRA LARGE FRAME**

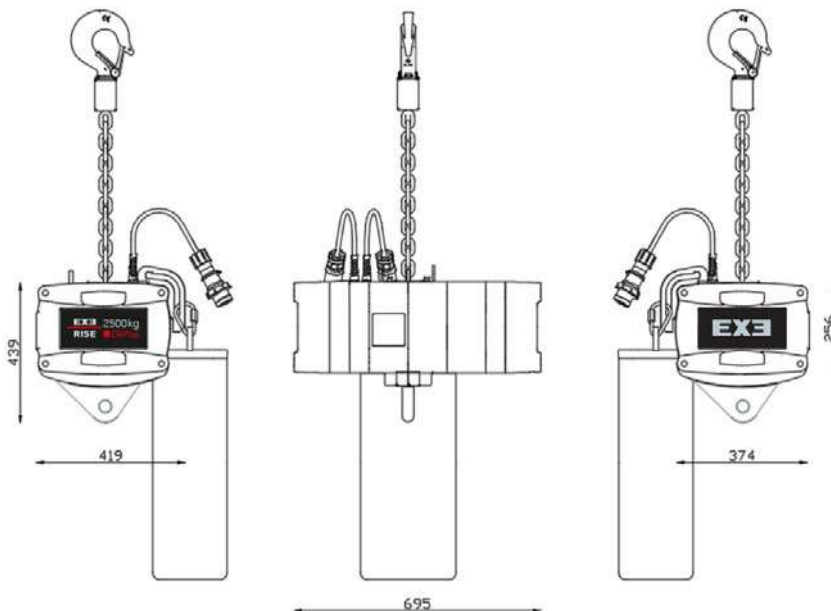
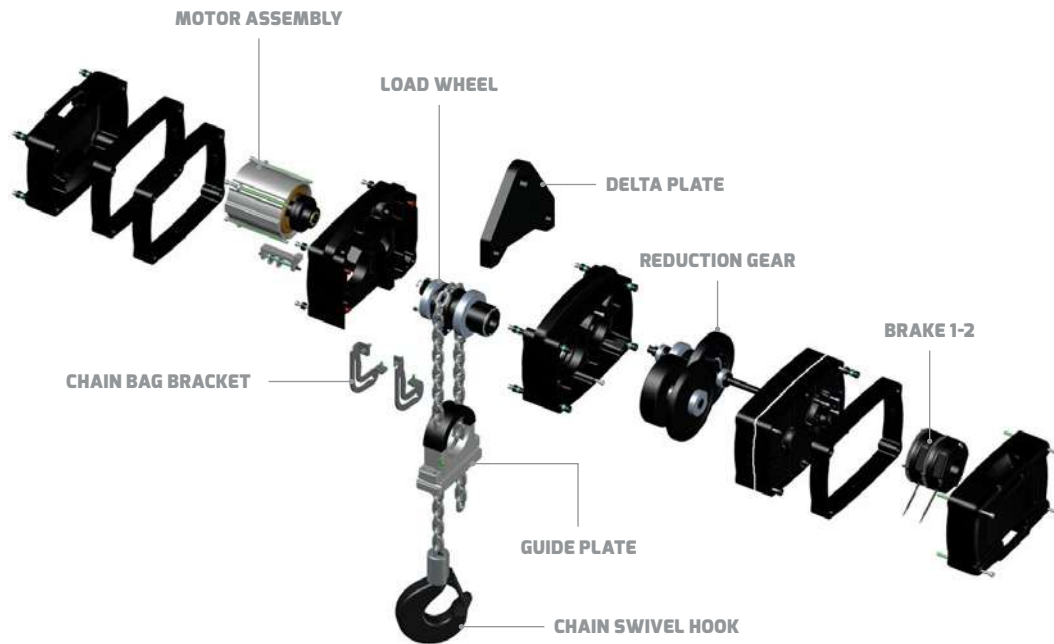
CHAIN HOIST



### GENERAL FEATURES

|   |   |
|---|---|
| MODEL                                   | EXE Rise chain hoist D8+ 2500kg   |
| TYPE OF CONTROL                         | Direct or Low Voltage   |
| FEM CLASS                               | 3m  |
| DUTY FACTOR                             | 50%   |
| START PER HOUR                          | 300   |
| BEARING TIME / 10 YEARS                 | 12500h  |
| FALLS OF CHAIN                          | 1   |
| TYPE OF CHAIN                           | DIN EN 818-7 - type DAT steel 80 grade<br>Zinc galvanized or phosphated |
| SIZE OF CHAIN                           | 13x36 mm  |
| CHAIN SELF-WEIGHT                       | 3.80 kg/m   |
| SAFETY FACTOR                           | 8:1   |
| IP RATE                                 | 55  |
| INSULATION CLASS<br>(TEMPERATURE CLASS) | F according to CEI 15-26  |
| LOAD WHEEL                              | 5 pockets   |
| NOISE LEVEL                             | 67.5 dB @ full load   |
| CONNECTION CABLE LENGHT                 | 75 ± 5 cm   |

The **EXE Rise D8+ 2500kg Extra Large Frame chain hoist** have a FEM class rating of 3m and it's single reeved, maintaining an 8-to-1 safety factor. These hoists are ideal for some of the heaviest rigs such as line arrays, LED walls, scoreboards, complex mothergrids, and epic EDM festivals. If needed, these hoists can be manufactured with a double-reeved chain to double the load capacity for roof systems.



# EXE RISE D8+ 2500kg

## EXTRA LARGE FRAME

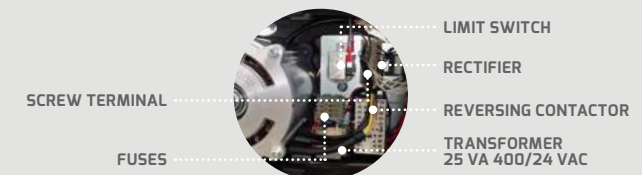
### DIRECT CONTROL

|  |                                  |
|--|----------------------------------|
| WORKING LOAD LIMIT   | 2500 kg                          |
| FREQUENCY  | 50 Hz                            |
| LIFTING SPEED  | 4m/min $\pm$ 1%                  |
| MOTOR POWER  | 2.5 kW                           |
| OPERATING VOLTAGE $\Delta$ /Y                                  | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT  | $\Delta$ 12 A - Y 7 A            |
| $\Delta$ POWER SUPPLY CONNECTOR (*)                            | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR                                       | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE   | 1400                             |
| NUMBER OF BRAKES   | 2                                |
| DC BRAKE SIZE  | 12                               |
| DC BRAKE POWER   | 40 W                             |
| DC BRAKE OPERATING VOLTAGE                                     | 103 VDC                          |
| DC BRAKE RATED TORQUE  | 32 Nm                            |
| DC BRAKE RATED TORQUE REDUCTION AT THE SPEED SPECIFICATION x % | 81% (1500 r/min)                 |
| DC BRAKE GAP (SL)  | 0.3 mm                           |
| LIMIT SWITCH   | 2 positions                      |
| ENCODER (*)  | Incremental or Absolute          |
| SELF-WEIGHT  | 125 kg                           |

### LOW VOLTAGE CONTROL

|                          |   |
|--------------------------|---|
| CONTROL SUPPLY CONNECTOR | CEE 16A 4h 24VAC - 3PH + G black socket |
| LIMIT SWITCH             | 2 positions                             |

(\*) only on request



OTHER OPERATING VOLTAGE & FREQUENCY ARE AVAILABLE

**EX3**  
**RISE**

**D8+ 250kg**  
SINGLE PHASE

**MEDIUM FRAME**

**EXE RISE D8+ 250kg**  
MEDIUM FRAME SINGLE PHASE

CHAIN HOIST



230VAC



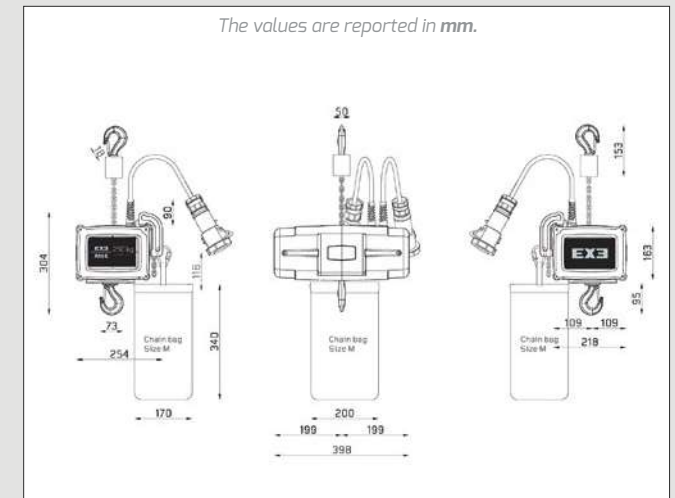
### GENERAL FEATURES

|   |   |
|---|---|
| MODEL                                   | EXE Rise D8+ 250kg SINGLE PHASE   |
| FEM CLASS                               | 2m  |
| DUTY FACTOR                             | 40%   |
| START PER HOUR                          | 240   |
| BEARING TIME / 10 YEARS                 | 6300h   |
| FALLS OF CHAIN                          | 1   |
| TYPE OF CHAIN                           | DIN EN 818-7 - type DAT steel 80 grade<br>Zinc galvanized or phosphated |
| SIZE OF CHAIN                           | 6x18 mm   |
| CHAIN SELF-WEIGHT                       | 0.78 kg/m   |
| SAFETY FACTOR                           | 8:1   |
| IP RATE                                 | 55  |
| INSULATION CLASS<br>(TEMPERATURE CLASS) | F according to CEI 15-26  |
| LOAD WHEEL                              | 5 pockets   |
| NOISE LEVEL                             | 67.5 dB @ full load   |

### SINGLE PHASE

|  |                              |
|--|------------------------------|
| WORKING LOAD LIMIT   | 250 kg                       |
| FREQUENCY  | 50 Hz                        |
| LIFTING SPEED  | 4m/min $\pm$ 1%              |
| MOTOR POWER  | 0.8 kW                       |
| OPERATING VOLTAGE $\Delta$   | $\Delta$ 230 VAC - 1 - 50 Hz |
| 1PH CURRENT  | $\Delta$ 3.1 A               |
| REVOLUTIONS PER MINUTE   | 1400                         |
| NUMBER OF BRAKES   | 2                            |
| DC BRAKE SIZE  | 06                           |
| DC BRAKE POWER   | 20 W                         |
| DC BRAKE OPERATING VOLTAGE   | 103 VDC                      |
| DC BRAKE RATED TORQUE  | 4 Nm                         |
| DC BRAKE RATED TORQUE<br>REDUCTION AT THE SPEED<br>SPECIFICATION x % | 87% (1500 r/min)             |
| DC BRAKE GAP (SL)  | 0.2 mm                       |
| SELF-WEIGHT  | 24 kg                        |

The values are reported in mm.



The **EXE Rise D8+ 250kg SINGLE PHASE** chain hoist designed around our medium size body, with a WLL of 250 kg. Ideal for many locations where 3 phase power might not be available.



**EX3**  
**RISE**

**D8+ 500kg**  
SINGLE PHASE

**MEDIUM FRAME**

**EXE RISE D8+ 500kg**  
MEDIUM FRAME WITH INVERTER SINGLE PHASE

**SINGLE PHASE**

|  |                       |
|--|-----------------------|
| WORKING LOAD LIMIT   | 500 kg                |
| FREQUENCY  | 50 Hz                 |
| LIFTING SPEED  | 4m/min ± 1%           |
| MOTOR POWER  | 0.8 kW                |
| OPERATING VOLTAGE Δ  | Δ 230 VAC - 1 - 50 Hz |
| 1PH CURRENT  | Δ 6.0 A               |
| REVOLUTIONS PER MINUTE   | 1400                  |
| NUMBER OF BRAKES   | 2                     |
| DC BRAKE SIZE  | 06                    |
| DC BRAKE POWER   | 20 W                  |
| DC BRAKE OPERATING VOLTAGE                                     | 103 VDC               |
| DC BRAKE RATED TORQUE  | 4 Nm                  |
| DC BRAKE RATED TORQUE REDUCTION AT THE SPEED SPECIFICATION x % | 87% (1500 r/min)      |
| DC BRAKE GAP (SL)  | 0.2 mm                |
| SELF-WEIGHT  | 27 kg                 |



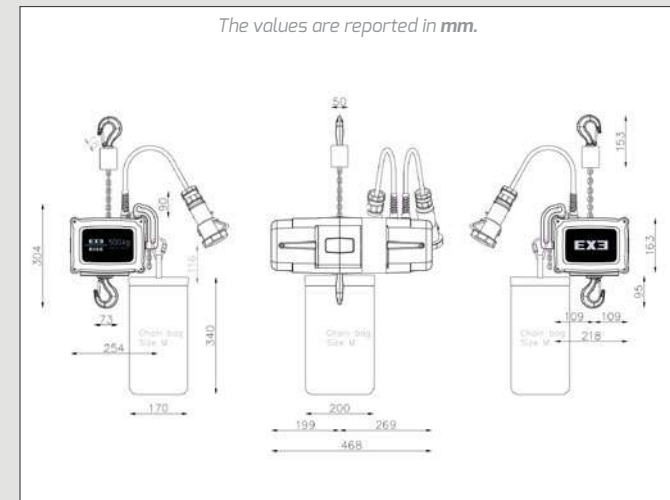
230VAC



**GENERAL FEATURES**

|                                      |   |
|--------------------------------------|---|
| MODEL                                | D8+ 500kg SINGLE PHASE  |
| FEM CLASS                            | 2m  |
| DUTY FACTOR                          | 40%   |
| START PER HOUR                       | 240   |
| BEARING TIME / 10 YEARS              | 6300h   |
| FALLS OF CHAIN                       | 1   |
| TYPE OF CHAIN                        | DIN EN 818-7 - type DAT steel 80 grade<br>Zinc galvanized or phosphated |
| SIZE OF CHAIN                        | 6x18 mm   |
| CHAIN SELF-WEIGHT                    | 0.78 kg/m   |
| SAFETY FACTOR                        | 8:1   |
| IP RATE                              | 55  |
| INSULATION CLASS (TEMPERATURE CLASS) | F according to CEI 15-26  |
| LOAD WHEEL                           | 5 pockets   |
| NOISE LEVEL                          | 67.5 dB @ full load   |

The **EXE Rise D8+ 500kg SINGLE PHASE** chain hoist designed around our medium size body, with inverter. WLL of 500 kg. Ideal for many locations where 3 phase power might not be available.



CHAIN HOIST

02

**EXE ACE D8**  
**A NEW ERA OF CHAIN HOISTS**  
**PUT AN ACE IN YOUR HANDS**

**EXE Ace** collection is for you if you're looking for a cost effective solution for one-off events or for installations that last weeks or months at a time.

Since these types of events don't require constant starts and stops day after day after day from the hoist, the **EXE Ace** collection has been designed for a lower duty cycle.

While **EXE Ace** hoists are all compliant with D8 requirements, we have been able to make them more lightweight by designing them to a standard 5-to-1 safety factor with a single brake unit, though a secondary brake is available as an add-on when ordering new **EXE Ace** hoists.









It's possible to configure new **EXE Ace** hoists to comply with your country's mains power supply and can provide either direct or low voltage control.

These hoists pair very well with the **EXE Drive** 4 or 8 channel Basic Controllers.

**EXE** 2000kg  
**ACE** ▲ D8

# Overview

## EXE ACE D8 FIXED SPEED CHAIN HOISTS

| MEDIUM FRAME ULTRA COMPACT  | MEDIUM FRAME COMPACT  | MEDIUM FRAME  | EXTRA LARGE FRAME COMPACT   |
|---|---|---|---|
| 250kg   | 500kg   | 1000kg  | 2000kg  |
|    |    |    |    |
|  |  |  |  |

DIRECT CONTROL

LOW VOLTAGE CONTROL

CHAIN HOIST



**EX3**  
**ACE**

▲ **D8 250kg**

**MEDIUM FRAME ULTRA COMPACT**

CHAIN HOIST



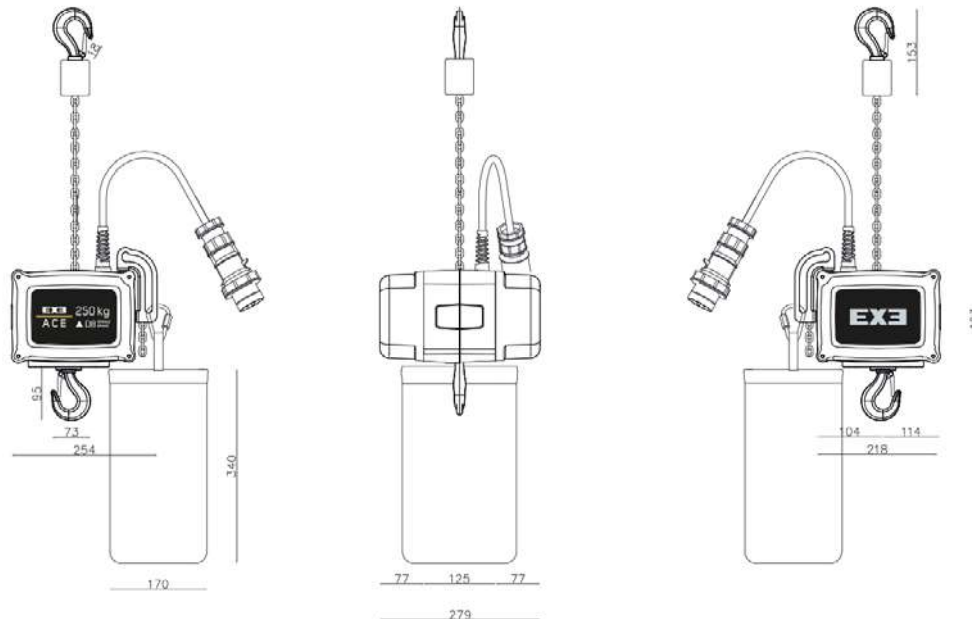
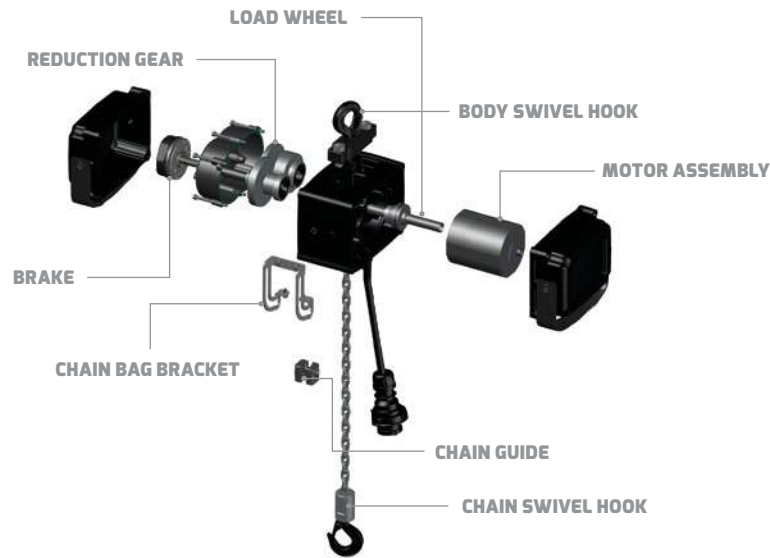
### GENERAL FEATURES

|   |   |
|---|---|
| MODEL                                   | EXE Ace chain hoist D8 250kg DC   |
| TYPE OF CONTROL                         | Direct Voltage  |
| FEM CLASS                               | 2m  |
| DUTY FACTOR                             | 25%   |
| START PER HOUR                          | 150   |
| BEARING TIME / 10 YEARS                 | 1600 h  |
| FALLS OF CHAIN                          | 1   |
| TYPE OF CHAIN                           | DIN EN 818-7 - type DAT steel 80 grade<br>Zinc galvanized or phosphated |
| SIZE OF CHAIN                           | 5x15 mm   |
| CHAIN SELF-WEIGHT                       | 0.54 kg/m   |
| SAFETY FACTOR                           | 8:1   |
| IP RATE                                 | 55  |
| INSULATION CLASS<br>(TEMPERATURE CLASS) | F according to CEI 15-26  |
| LOAD WHEEL                              | 5 pockets   |
| NOISE LEVEL                             | 67.5 dB @ full load   |
| CONNECTION CABLE LENGHT                 | 75 ± 5 cm   |

The **EXE Ace D8 250kg Medium Frame Ultra Compact chain hoist** is made from extremely light cast aluminum. Its low profile frame makes it ideal for squeezing into small spaces and achieving the greatest possible headroom in low-ceiling venues. This lightweight, compact hoist is ideal for wedding receptions, corporate event venues, and for simple rigs in educational, religious or theatrical settings.

# EXE ACE D8 250kg

MEDIUM FRAME ULTRA COMPACT



The values are reported in mm.

| DIRECT CONTROL               |                                  |
|------------------------------|----------------------------------|
| WORKING LOAD LIMIT           | 250 kg                           |
| FREQUENCY                    | 50 Hz                            |
| LIFTING SPEED                | 4m/min ± 1%                      |
| MOTOR POWER                  | 0.36 kW                          |
| OPERATING VOLTAGE Δ/Y        | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT                  | Δ 1.84 A - Y 1.06 A              |
| Δ POWER SUPPLY CONNECTOR (*) | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR     | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE       | 1400                             |
| NUMBER OF BRAKES             | 1                                |
| DC BRAKE SIZE                | 06                               |
| DC BRAKE POWER               | 20 W                             |
| DC BRAKE OPERATING VOLTAGE   | 103 VDC                          |
| DC BRAKE RATED TORQUE        | 4 Nm                             |
| DC BRAKE GAP (SL)            | 0.2 mm                           |
| SELF-WEIGHT                  | 19.5 kg                          |

**D8 198KG MODEL ALSO AVAILABLE**



FOR OTHER OPERATING VOLTAGE & FREQUENCY CONTACT EXE OFFICE

**EX3**  
ACE

▲ D8 **500kg**

MEDIUM FRAME COMPACT

CHAIN HOIST

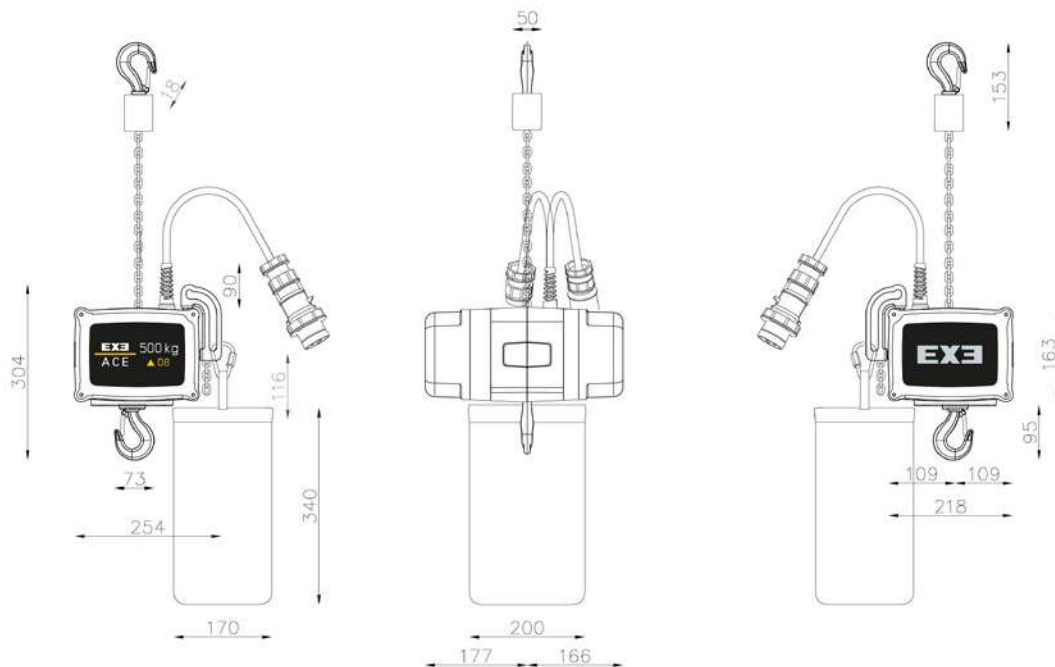
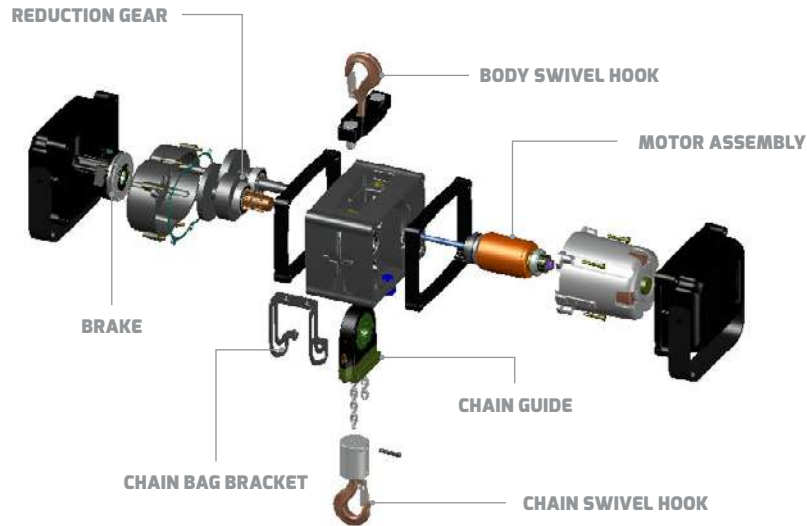


### GENERAL FEATURES

|                                      |  |
|--------------------------------------|--|
| MODEL                                | EXE Ace chain hoist D8 500kg DC / LVC                                |
| TYPE OF CONTROL                      | Direct Voltage or Low Voltage  |
| FEM CLASS                            | 1Bm  |
| DUTY FACTOR                          | 25%  |
| START PER HOUR                       | 150  |
| BEARING TIME / 10 YEARS              | 1600 h   |
| FALLS OF CHAIN                       | 1  |
| TYPE OF CHAIN                        | DIN EN 818-7 - type DAT steel 80 grade Zinc galvanized or phosphated |
| SIZE OF CHAIN                        | 5x15 mm  |
| CHAIN SELF-WEIGHT                    | 0.54 kg/m  |
| SAFETY FACTOR                        | 5:1  |
| IP RATE                              | 55   |
| INSULATION CLASS (TEMPERATURE CLASS) | F according to CEI 15-26   |
| LOAD WHEEL                           | 5 pockets  |
| NOISE LEVEL                          | 67.5 dB @ full load  |
| CONNECTION CABLE LENGHT              | 75 ± 5 cm  |

The **EXE Ace D8 500kg Medium Frame Compact chain hoist** is extremely light due to its small body made from cast aluminium. Handling and lifting of the chain hoist is facilitated by handles that work in either operational orientation. The possibility of using the chain hoist in both Standard and Self Climbing positions, combined with its swivel or fixed hook feature, increase practicality and versatility.





The values are reported in mm. DC model has one cable and brake side ring absent

# EXE ACE D8 500kg

## MEDIUM FRAME COMPACT

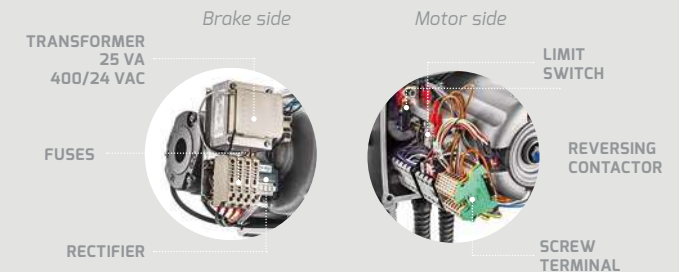
### DIRECT CONTROL

|                              |                                  |
|------------------------------|----------------------------------|
| WORKING LOAD LIMIT           | 500 kg                           |
| FREQUENCY                    | 50 Hz                            |
| LIFTING SPEED                | 4m/min ± 1%                      |
| MOTOR POWER                  | 0.5 kW                           |
| OPERATING VOLTAGE Δ/Y        | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT                  | Δ 2.70 A - Y 1.56 A              |
| Δ POWER SUPPLY CONNECTOR (*) | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR     | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE       | 1400                             |
| NUMBER OF BRAKES             | 1                                |
| DC BRAKE SIZE                | 06                               |
| DC BRAKE POWER               | 20 W                             |
| DC BRAKE OPERATING VOLTAGE   | 104 VDC                          |
| DC BRAKE RATED TORQUE        | 4 Nm                             |
| DC BRAKE GAP (SL)            | 0.2 mm                           |
| LIMIT SWITCH*                | 2 Position                       |
| ENCODER*                     | On request                       |
| SELF-WEIGHT                  | 21.5 kg                          |

### LOW VOLTAGE CONTROL

|                          |  |
|--------------------------|--|
| CONTROL SUPPLY CONNECTOR | CEE 16A 9h 230VAC - 3PH + G black socket |
|--------------------------|--|

(\*) only on request



FOR OTHER OPERATING VOLTAGE & FREQUENCY CONTACT EXE OFFICE

**EX3**  
ACE

▲ D8 **1000kg**

MEDIUM FRAME

CHAIN HOIST



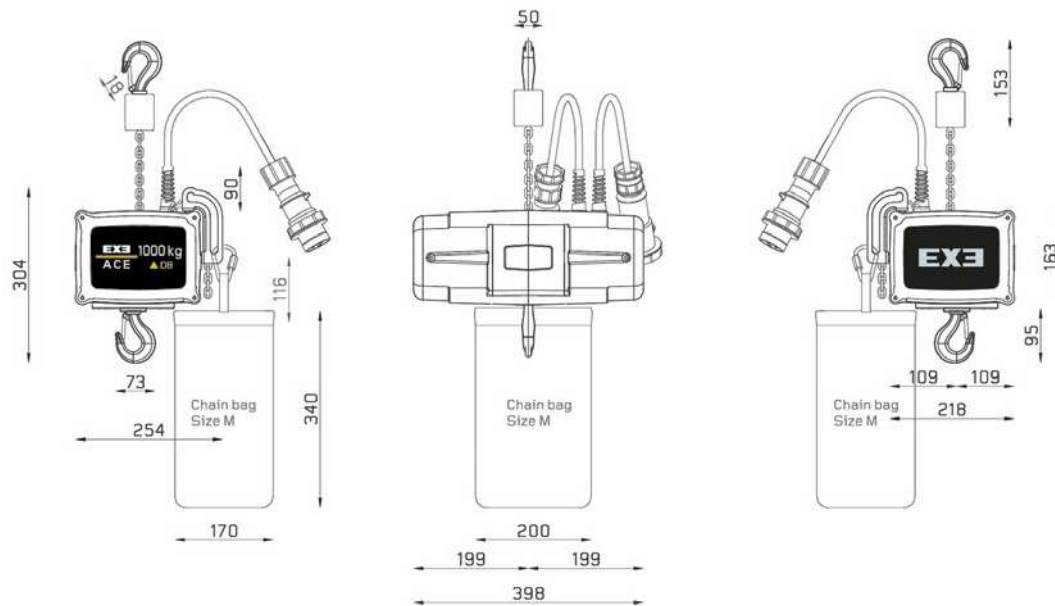
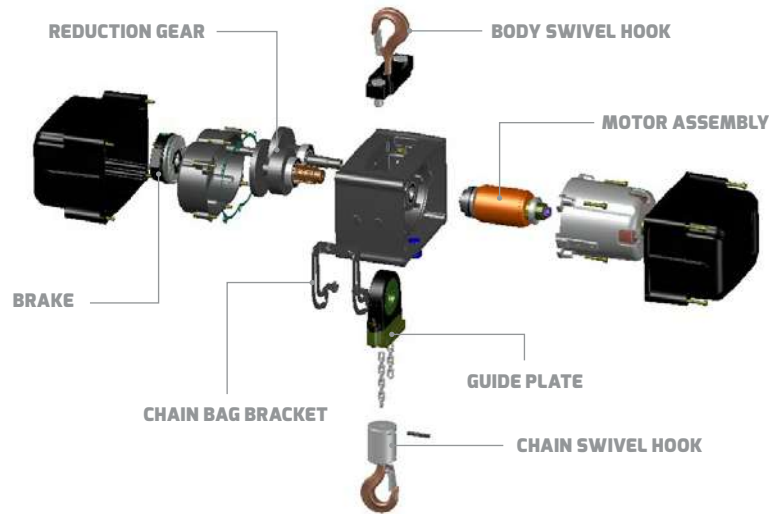
### GENERAL FEATURES

|                                      |  |
|--------------------------------------|--|
| MODEL                                | EXE Ace chain hoist D8 1000kg DC / LVC                               |
| TYPE OF CONTROL                      | Direct Voltage or Low Voltage  |
| FEM CLASS                            | 1Bm  |
| DUTY FACTOR                          | 25%  |
| START PER HOUR                       | 150  |
| BEARING TIME / 10 YEARS              | 1600 h   |
| FALLS OF CHAIN                       | 1  |
| TYPE OF CHAIN                        | DIN EN 818-7 - type DAT steel 80 grade Zinc galvanized or phosphated |
| SIZE OF CHAIN                        | 6.3x19 mm  |
| CHAIN SELF-WEIGHT                    | 0.86 kg/m  |
| SAFETY FACTOR                        | 5:1  |
| IP RATE                              | 55   |
| INSULATION CLASS (TEMPERATURE CLASS) | F according to CEI 15-26   |
| LOAD WHEEL                           | 5 pockets  |
| NOISE LEVEL                          | 67.5 dB @ full load  |
| CONNECTION CABLE LENGHT              | 75 ± 5 cm  |

The **EXE Ace D8 1000kg Medium Frame chain hoist** is extremely compact and corrosion resistant due to the innovative body carefully designed to reduce size and weight. Handling and lifting of the chain hoist is facilitated by handles that work in either operational orientation. The possibility of using the chain hoist in both Standard and Self Climbing positions, combined with its swivel or fixed hook feature, increase practicality and versatility. The clutch is located on the motor shaft, in front of the motor assembly, which positions it outside of the load path.

# EXE ACE D8 1000kg

MEDIUM FRAME



The values are reported in **mm**. DC model has one cable

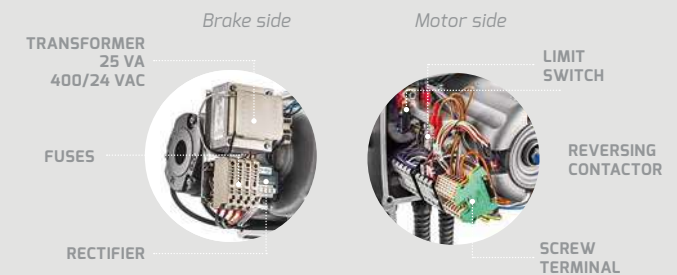
## DIRECT CONTROL

|                              |                                  |
|------------------------------|----------------------------------|
| WORKING LOAD LIMIT           | 1000 kg                          |
| FREQUENCY                    | 50 Hz                            |
| LIFTING SPEED                | 4m/min ± 1%                      |
| MOTOR POWER                  | 1.0 kW                           |
| OPERATING VOLTAGE Δ/Y        | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT                  | Δ 4.62 A - Y 2.67 A              |
| Δ POWER SUPPLY CONNECTOR (*) | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR     | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE       | 1400                             |
| NUMBER OF BRAKES             | 1                                |
| DC BRAKE SIZE                | 08                               |
| DC BRAKE POWER               | 25 W                             |
| DC BRAKE OPERATING VOLTAGE   | 104 VDC                          |
| DC BRAKE RATED TORQUE        | 8 Nm                             |
| DC BRAKE GAP (SL)            | 0.2 mm                           |
| LIMIT SWITCH*                | 2 Position                       |
| ENCODER*                     | On request                       |
| SELF-WEIGHT                  | 24 kg                            |

## LOW VOLTAGE CONTROL

|                          |   |
|--------------------------|---|
| CONTROL SUPPLY CONNECTOR | CEE 16A 4h 24VAC - 3PH + G black socket |
|--------------------------|---|

(\*) only on request



FOR OTHER OPERATING VOLTAGE & FREQUENCY CONTACT EXE OFFICE



**EXE**  
ACE

▲ D8 **2000kg**

**EXTRA LARGE FRAME COMPACT**

CHAIN HOIST



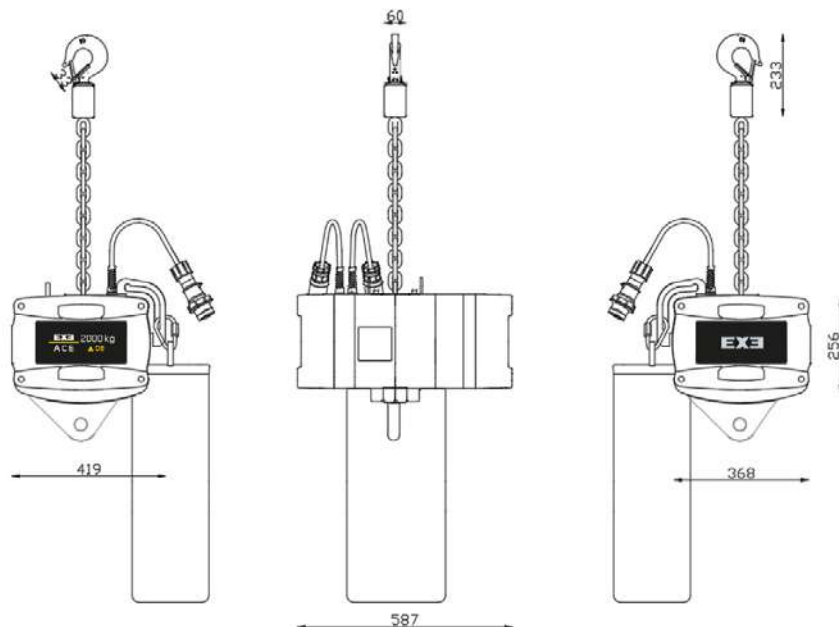
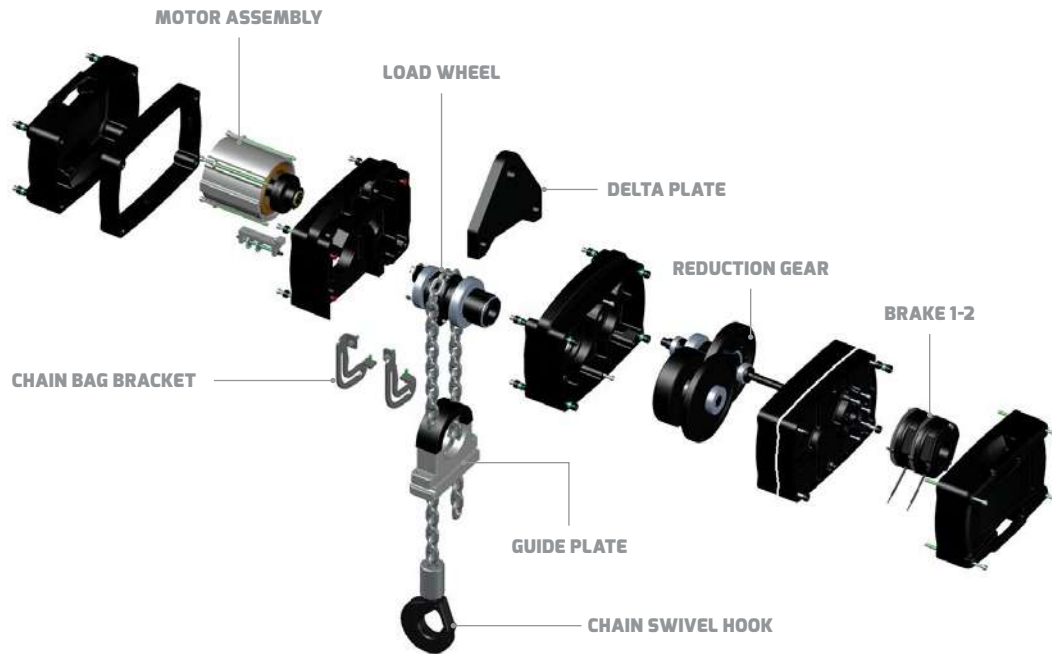
### GENERAL FEATURES

|                                      |  |
|--------------------------------------|--|
| MODEL                                | EXE Ace chain hoist D8 2000kg DC / LVC                               |
| TYPE OF CONTROL                      | Direct Voltage or Low Voltage  |
| FEM CLASS                            | 1Bm  |
| DUTY FACTOR                          | 25%  |
| START PER HOUR                       | 150  |
| BEARING TIME / 10 YEARS              | 1600 h   |
| FALLS OF CHAIN                       | 1  |
| TYPE OF CHAIN                        | DIN EN 818-7 - type DAT steel 80 grade Zinc galvanized or phosphated |
| SIZE OF CHAIN                        | 10x28 mm   |
| CHAIN SELF-WEIGHT                    | 2.24 kg/m  |
| SAFETY FACTOR                        | 5:1  |
| IP RATE                              | 55   |
| INSULATION CLASS (TEMPERATURE CLASS) | F according to CEI 15-26   |
| LOAD WHEEL                           | 5 pockets  |
| NOISE LEVEL                          | 67.5 dB @ full load  |
| CONNECTION CABLE LENGHT              | 75 ± 5 cm  |

The **EXE Ace D8 2000kg Extra Large Frame Compact chain hoist** is extremely compact and corrosion resistant due to the innovative body carefully designed to reduce size and weight. Handling and lifting of the chain hoist is facilitated by handles that work in either operational orientation. The possibility of using the chain hoist in both Standard and Self Climbing positions, combined with its swivel or fixed hook feature, increase practicality and versatility. The clutch is located on the motor shaft, in front of the motor assembly, which positions it outside of the load path.

# EXE ACE D8 2000kg

EXTRA LARGE FRAME COMPACT



The values are reported in mm. DC model has one cable

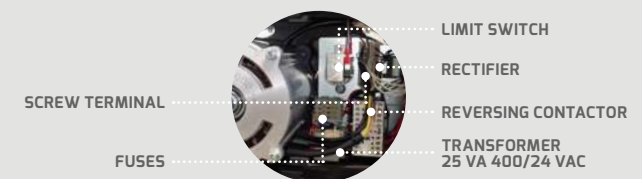
## DIRECT CONTROL

|                              |                                  |
|------------------------------|----------------------------------|
| WORKING LOAD LIMIT           | 2000 kg                          |
| FREQUENCY                    | 50 Hz                            |
| LIFTING SPEED                | 4m/min ± 1%                      |
| MOTOR POWER                  | 2.0 kW                           |
| OPERATING VOLTAGE Δ/Y        | 230/400 VAC - 3 - 50 Hz          |
| 3PH CURRENT                  | Δ 9.9 A - Y 5.7 A                |
| Δ POWER SUPPLY CONNECTOR (*) | CEE 16A 9h 230VAC - 3PH + G plug |
| Y POWER SUPPLY CONNECTOR     | CEE 16A 6h 400VAC - 3PH + G plug |
| REVOLUTIONS PER MINUTE       | 1400                             |
| NUMBER OF BRAKES             | 2                                |
| DC BRAKE SIZE                | 10                               |
| DC BRAKE POWER               | 30 W                             |
| DC BRAKE OPERATING VOLTAGE   | 104 VDC                          |
| DC BRAKE RATED TORQUE        | 16 Nm                            |
| DC BRAKE GAP (SL)            | 0.25 mm                          |
| LIMIT SWITCH*                | 2 Position                       |
| ENCODER*                     | On request                       |
| SELF-WEIGHT                  | 110 kg                           |

## LOW VOLTAGE CONTROL

|                          |   |
|--------------------------|---|
| CONTROL SUPPLY CONNECTOR | CEE 16A 4h 24VAC - 3PH + G black socket |
|--------------------------|---|

(\*) only on request



FOR OTHER OPERATING VOLTAGE & FREQUENCY CONTACT EXE OFFICE



## **EXE VARIO**

### **VARIABLE SPEED CHAIN HOISTS**

Suitable for body-up and body-down (self-climbing or standard suspension), without the need for any adjustments modifications.

The EXE Vario is based around the existing large frame EXE Rise and has been converted for use with the popular Kinesys Elevation 1+ controller. Development was carried out in close collaboration with the team at Kinesys Projects Ltd.

All variable speed chain hoists are supplied ready for use. Every hoist is fitted with double brakes, four position limit switches and encoders as standard. The available models has a lifting capacity of 500kg and 1000kg with a 8x24 mm chain. The EXE Vario has the ability to ramp start, ramp stop, program preset positions and vary the speed of the chain hoist for maximum creative effect.

When it comes to control, the EXE Vario chain hoist is compatible with Kinesys Vector and K2 control platforms, which are “tour-proven” and universally recognised as the industry standard.

The EXE Vario chain hoist can also be used as a fixed speed hoist by adding an adapter cable, which allows connection to a standard controller. It can also be provided without Kinesys conversion for custom wiring installations.

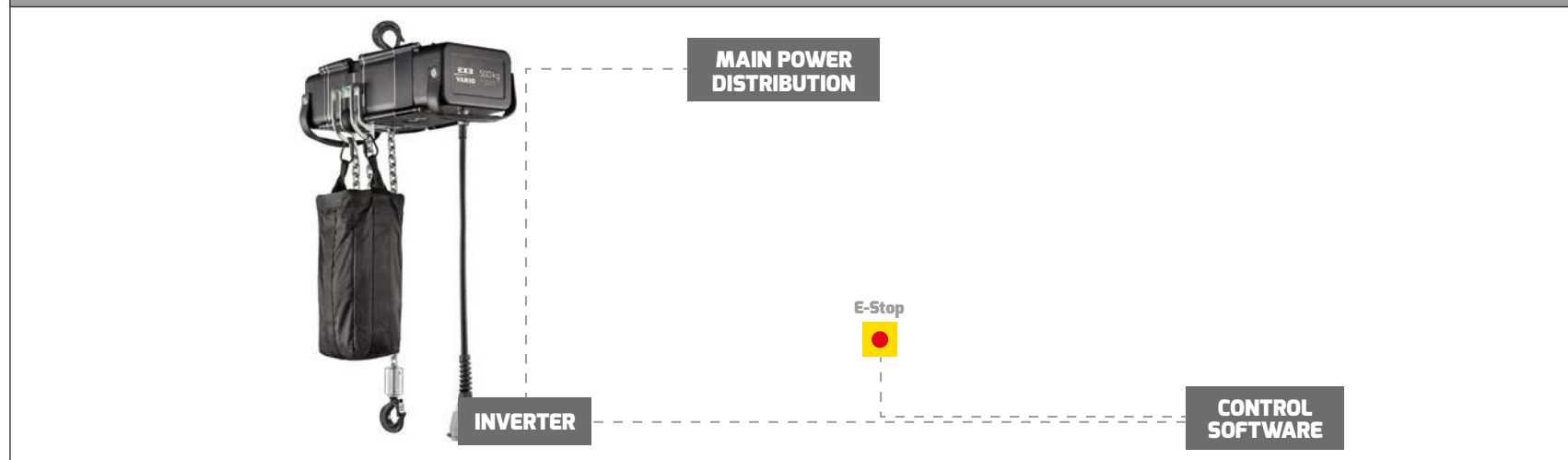


# Overview

| <b>EXE VARIO D8+ 500kg</b>   | <b>EXE VARIO D8+ 1000kg</b>   |
|--|---|
| <b>MAX LIFTING SPEED:</b><br>20m/min @50Hz<br>24m/min @60Hz                        | <b>MAX LIFTING SPEED:</b><br>10m/min @50Hz<br>12m/min @60Hz                         |
|  |  |

## VARIABLE SPEED CHAIN HOIST CONFIGURATION

Wiring diagram for a generic EXE Vario hoist configuration



# EX3 VARIO

□ D8+ 500kg

VARIABLE SPEED



## GENERAL FEATURES

|   |   |
|---|---|
| MODEL                                   | D8+ 500kg VARIABLE SPEED  |
| FEM CLASS                               | 1Bm   |
| TYPE OF CHAIN                           | DIN EN 818-7 - type DAT steel 80 grade<br>Zinc galvanized or phosphated |
| SIZE OF CHAIN                           | 8x24 mm   |
| CHAIN SELF-WEIGHT                       | 1.39 kg/m   |
| SAFETY FACTOR                           | 8:1   |
| IP RATE                                 | 55  |
| INSULATION CLASS<br>(TEMPERATURE CLASS) | F according to CEI 15-26  |
| LOAD WHEEL                              | 5 pockets   |
| NOISE LEVEL                             | 67.5 dB @ full load   |
| CONNECTION CABLE LENGHT                 | 165 ± 5 cm  |

## EXE Vario Chain Hoist D8+ 500kg

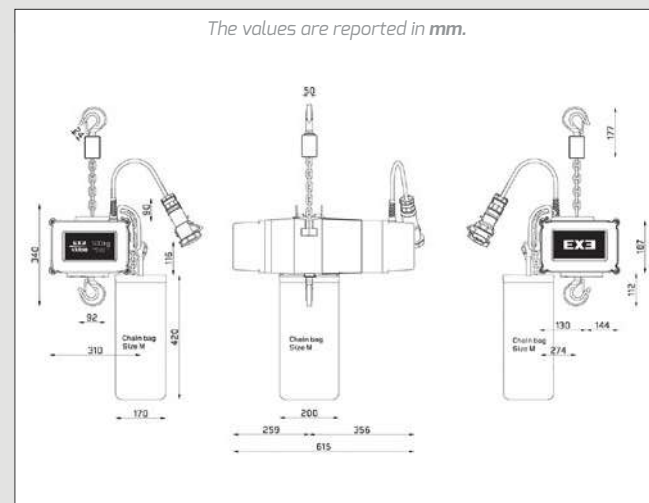
EXE Vario is a variable speed chain hoist converted for use with the Kinesys Control System

# EXE VARIO D8+ 500kg

## VARIABLE SPEED

|  |  |
|--|--|
| WORKING LOAD LIMIT   | 500 kg                                     |
| FREQUENCY - MAX LIFTING SPEED  | 50 Hz: max 20 m/min<br>60 Hz: max 24 m/min |
| MOTOR POWER  | 2.2 kW                                     |
| OPERATING VOLTAGE  | Y 400 VAC - 3 - 50 Hz                      |
| 3PH CURRENT  | Y 5.5 A                                    |
| REVOLUTIONS PER MINUTE   | 2800                                       |
| NUMBER OF BRAKES   | 2  |
| DC BRAKE SIZE  | 10   |
| DC BRAKE POWER   | 30 W                                       |
| DC BRAKE OPERATING VOLTAGE   | 205 VDC                                    |
| DC BRAKE RATED TORQUE  | 16 Nm                                      |
| DC BRAKE RATED TORQUE<br>REDUCTION AT THE SPEED<br>SPECIFICATION x % | 76% (3000 r/min)                           |
| DC BRAKE GAP (SL)  | 0.2 mm                                     |
| SELF-WEIGHT  | 50 kg                                      |

The values are reported in mm.



# EX3 VARIO

□ D8+ 1000kg

VARIABLE SPEED



## GENERAL FEATURES

|   |   |
|---|---|
| MODEL                                   | D8+ 1000kg VARIABLE SPEED   |
| FEM CLASS                               | 1Bm   |
| TYPE OF CHAIN                           | DIN EN 818-7 - type DAT steel 80 grade<br>Zinc galvanized or phosphated |
| SIZE OF CHAIN                           | 8x24 mm   |
| CHAIN SELF-WEIGHT                       | 1.39 kg/m   |
| SAFETY FACTOR                           | 8:1   |
| IP RATE                                 | 55  |
| INSULATION CLASS<br>(TEMPERATURE CLASS) | F according to CEI 15-26  |
| LOAD WHEEL                              | 5 pockets   |
| NOISE LEVEL                             | 67.5 dB @ full load   |
| CONNECTION CABLE LENGHT                 | 165 ± 5 cm  |

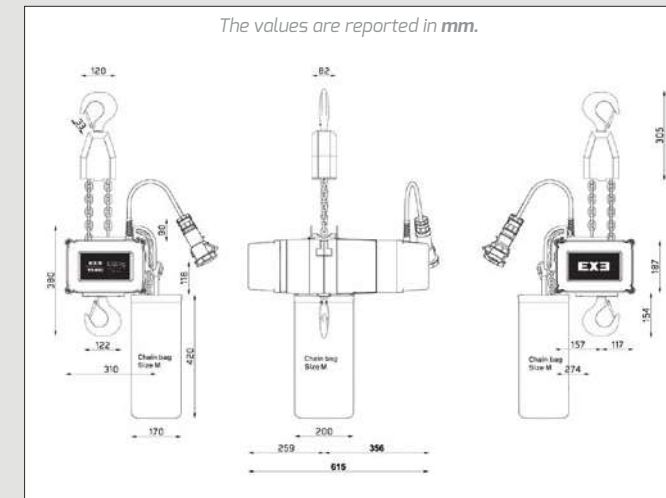
## EXE Vario Chain Hoist D8+ 1000kg

EXE Vario is a variable speed chain hoist converted for use with the Kinesys Control System

## EXE VARIO D8+ 1000kg

### VARIABLE SPEED

|  |  |
|--|--|
| WORKING LOAD LIMIT   | 1000 kg                                    |
| FREQUENCY - MAX LIFTING SPEED  | 50 Hz: max 10 m/min<br>60 Hz: max 12 m/min |
| MOTOR POWER  | 2.2 kW                                     |
| OPERATING VOLTAGE  | Y 400 VAC - 3 - 50 Hz                      |
| 3PH CURRENT  | Y 5.5 A                                    |
| REVOLUTIONS PER MINUTE   | 2800                                       |
| NUMBER OF BRAKES   | 2  |
| DC BRAKE SIZE  | 10   |
| DC BRAKE POWER   | 30 W                                       |
| DC BRAKE OPERATING VOLTAGE   | 205 VDC                                    |
| DC BRAKE RATED TORQUE  | 16 Nm                                      |
| DC BRAKE RATED TORQUE<br>REDUCTION AT THE SPEED<br>SPECIFICATION x % | 76% (3000 r/min)                           |
| DC BRAKE GAP (SL)  | 0.2 mm                                     |
| SELF-WEIGHT  | 52 kg                                      |





*Divo*

Hoists & Rigging

*Divo* HOIST

1

*Divo* MOVE

16

*Divo* HARDWARE

26

### **Divo One**

La serie One è il primo modello di paranco elettrico a catena, interamente progettato, costruito e testato in Italia dal nostro staff tecnico.

L'attenta progettazione svolge un ruolo fondamentale nelle tecniche costruttive, tenendo conto delle esigenze e feedback dei clienti.

Affidabilità nel tempo, strettamente necessaria nel mercato dello spettacolo, è assicurata da controlli scrupolosi di materie prime e rigorosi test di qualità.

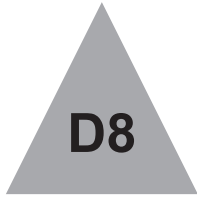
### **Divo One**

*The One Series is the first electric chain hoist fully engineered, built and tested in Italy by our technical department.*

*The attentive design leads a key role in constructive process, thanks to customers' requirement and feedbacks.*

*Reliability over time, strictly required on the entertainment market, is ensured by scrupulous raw material controls and rigorous quality tests.*





## DIVO ONE

320 kg | 4m/min

200 kg | 8m/min

250 kg | 4m/min

## DIVO TWO

500 kg | 4m/min

125 kg | 16m/min

125 kg | 16m/min

250 kg | 8m/min

250 kg | 8m/min

320 kg | 4m/min

320 kg | 4m/min

## DIVO THREE

1000 kg | 4m/min

250 kg | 16m/min

250 kg | 16m/min

500 kg | 8m/min

500 kg | 8m/min

630 kg | 4m/min

630 kg | 4m/min

## DIVO FOUR

1000 kg | 4m/min

500 kg | 16m/min

500 kg | 16m/min

2000 kg | 4m/min

1000 kg | 8m/min

1000 kg | 8m/min

2000 kg | 2m/min

1000 kg | 4m/min

1000 kg | 4m/min

2000 kg | 4m/min

2000 kg | 4m/min

2000 kg | 2m/min

2000 kg | 2m/min



**320**  
**4m/min**



#### Informazioni Tecniche Technical Information

Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza 8:1

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 5 pocket load wheels, Safety Factor 8:1*

Conforme alla linea guida IGWW SQP2

*In accordance with IGWW SQP2 code of practice,*

\*\*Disponibile una versione per il mercato italiano del DSB320 declassato a 200kg = DSA200

\*\*A downgraded version of our DSB320 is available only for the Italian market

#### Specifiche Tecniche Technical Specifications

|  |                              |  |  |
|--|------------------------------|--|--|
| Codice<br><i>Code</i>  | DSB320                       |  |  |
| Capacità di carico**<br><i>Load capacity</i>                         | 320 kg                       |  |  |
| Velocità di sollevamento a 50 Hz<br><i>Lifting speed at 50 Hz</i>    | 4 m/min                      |  |  |
| Tensione di esercizio<br><i>Operating voltage</i>                    | 400 V - 3P + E - 50 Hz       |  |  |
| Classe di protezione<br><i>Protection class</i>                      | IP 55<br>DIN 40050           |  |  |
| Potenza del motore a 50Hz<br><i>Motor power at 50Hz</i>              | 0.18 kW                      |  |  |
| Classe Fem<br><i>FEM CLASS</i>                                       | 1Bm                          |  |  |
| Sistema di Frenata in corrente alternata<br><i>AC Brake system</i>   | 1                            |  |  |
| Livello di rumore<br><i>Noise level</i>                              | <67.5 dB<br>(full load)      |  |  |
| Noce di carico<br><i>Load wheel</i>                                  | 5 pockets                    |  |  |
| Catena di carico RUD®<br><i>RUD® Load chain</i>                      | 4x12mm                       |  |  |
| Numero catene<br><i>Chain Falls Number</i>                           | 1                            |  |  |
| Peso della catena<br><i>Chain Weight</i>                             | 0.36 kg/m                    |  |  |
| Peso del corpo macchina<br><i>Body Weight</i>                        | 11 kg                        |  |  |
| Tipo di controllo<br><i>Control Type</i>                             | Direct Control               |  |  |
| Tipo di connettore   Spina Rossa<br><i>Connector Type   Red Plug</i> | 400V CEE 16 A - 3P+E         |  |  |
| Uso rovesciato<br><i>Climbing use</i>                                | Consentito<br><i>Allowed</i> |  |  |
| Fattore di sicurezza<br><i>Safety Factor</i>                         | 5:1                          |  |  |

**500**  
**4m/min**

3



#### Specifiche Tecniche Technical Specifications

|  |                         |  |  |
|--|-------------------------|--|--|
| Codice<br>Code   | DMF500                  |  |  |
| Capacità di carico<br>Load capacity  | 500 kg                  |  |  |
| Velocità di sollevamento a 50 Hz<br>Lifting speed at 50 Hz                 | 4 m/min                 |  |  |
| Tensione di esercizio<br>Operating voltage                                 | 400 V - 3P + E - 50 Hz  |  |  |
| Classe di protezione<br>Protection class                                   | IP 55<br>DIN 40050      |  |  |
| Potenza del motore a 50Hz<br>Motor power at 50Hz                           | 0.37 kW                 |  |  |
| Classe Fem<br>FEM CLASS  | 2m                      |  |  |
| Sistema di Frenata in corrente continua<br>DC Brake system                 | 1                       |  |  |
| Livello di rumore<br>Noise level   | <67.5 dB<br>(full load) |  |  |
| Noce di carico<br>Load wheel   | 6 pockets               |  |  |
| Catena di carico RUD®<br>RUD® Load chain                                   | 5x15mm                  |  |  |
| Numero catene<br>Chain Falls Number  | 1                       |  |  |
| Peso della catena<br>Chain Weight  | 0.54 kg/m               |  |  |
| Peso del corpo macchina<br>Body Weight                                     | -                       |  |  |
| Tipo di controllo<br>Control Type  | Direct Control          |  |  |
| Tipo di connettore   Spina Rossa<br>Connector Type   Red Plug              | 400V CEE 16 A - 3P+E    |  |  |
| Uso rovesciato<br>Climbing use   | Consentito<br>Allowed   |  |  |
| Fattore di sicurezza<br>Safety Factor                                      | 5:1                     |  |  |
| Fine Corsa Stromag®   4 interruttori<br>Stromag® Limit Switch   4 switches | Optional                |  |  |

#### Informazioni Tecniche Technical Information



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza 8:1

Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 6 pocket load wheels, Safety Factor 8:1,

Conforme alla linea guida IGWW SQP2

In accordance with IGWW SQP2 code of practice,

**1000**  
**4m/min**



#### Specifiche Tecniche Technical Specifications

|   |                        |  |  |
|---|------------------------|--|--|
| Codice<br><i>Code</i>   | DLM1000                |  |  |
| Capacità di carico<br><i>Load capacity</i>  | 1000 kg                |  |  |
| Velocità di sollevamento a 50 Hz<br><i>Lifting speed at 50 Hz</i>                 | 4 m/min                |  |  |
| Tensione di esercizio<br><i>Operating voltage</i>                                 | 400 V - 3P + E - 50 Hz |  |  |
| Classe di protezione<br><i>Protection class</i>                                   | IP 55<br>DIN 40050     |  |  |
| Potenza del motore a 50Hz<br><i>Motor power at 50Hz</i>                           | 0.72 kW                |  |  |
| Classe Fem<br><i>FEM CLASS</i>  | 1Bm                    |  |  |
| Sistema di Frenata in corrente continua<br><i>DC Brake system</i>                 | 1                      |  |  |
| Livello di rumore<br><i>Noise level</i>   | <67.5 dB               |  |  |
| Noce di carico<br><i>Load wheel</i>   | 5 pockets              |  |  |
| Catena di carico RUD®<br><i>RUD® Load chain</i>                                   | 6,3x19mm               |  |  |
| Numero catene<br><i>Chain Falls Number</i>  | 1                      |  |  |
| Peso della catena<br><i>Chain Weight</i>  | 0.86 kg/m              |  |  |
| Peso del corpo macchina<br><i>Body Weight</i>                                     | -                      |  |  |
| Tipo di controllo<br><i>Control Type</i>  | Direct Control         |  |  |
| Tipo di connettore   Spina Rossa<br><i>Connector Type   Red Plug</i>              | 400V CEE 16 A - 3P+E   |  |  |
| Uso rovesciato<br><i>Climbing use</i>   | Consentito             |  |  |
| Fattore di sicurezza<br><i>Safety Factor</i>                                      | 5:1                    |  |  |
| Fine Corsa Stromag®   4 interruttori<br><i>Stromag® Limit Switch   4 switches</i> | Optional               |  |  |

#### Informazioni Tecniche Technical Information



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza 8:1

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 5 pocket load wheels, Safety Factor 8:1.*

Conforme alla linea guida IGWW SQP2

*In accordance with IGWW SQP2 code of practice,*



**1000**  
**4m/min**

5



#### Specifiche Tecniche Technical Specifications

|   |                              |  |  |
|---|------------------------------|--|--|
| Codice<br><i>Code</i>   | DXT1000                      |  |  |
| Capacità di carico<br><i>Load capacity</i>  | 1000 kg                      |  |  |
| Velocità di sollevamento a 50 Hz<br><i>Lifting speed at 50 Hz</i>                 | 4 m/min                      |  |  |
| Tensione di esercizio<br><i>Operating voltage</i>                                 | 400 V - 3P + E - 50 Hz       |  |  |
| Classe di protezione<br><i>Protection class</i>                                   | IP 55<br>DIN 40050           |  |  |
| Potenza del motore a 50Hz<br><i>Motor power at 50Hz</i>                           | 0.75 kW                      |  |  |
| Classe Fem<br><i>FEM CLASS</i>  | 2m                           |  |  |
| Sistema di Frenata in corrente continua<br><i>DC Brake system</i>                 | 1                            |  |  |
| Livello di rumore<br><i>Noise level</i>   | <67.5 dB<br>(full load)      |  |  |
| Noce di carico<br><i>Load wheel</i>   | 5 pockets                    |  |  |
| Catena di carico RUD®<br><i>RUD® Load chain</i>                                   | 8x24mm                       |  |  |
| Numero catene<br><i>Chain Falls Number</i>  | 1                            |  |  |
| Peso della catena<br><i>Chain Weight</i>  | 1,4 kg/m                     |  |  |
| Peso del corpo macchina<br><i>Body Weight</i>                                     | 52 kg                        |  |  |
| Tipo di controllo<br><i>Control Type</i>  | Direct Control               |  |  |
| Tipo di connettore   Spina Rossa<br><i>Connector Type   Red Plug</i>              | 400V CEE 16 A - 3P+E         |  |  |
| Uso rovesciato<br><i>Climbing use</i>   | Consentito<br><i>Allowed</i> |  |  |
| Fattore di Sicurezza<br><i>Safety Factor</i>                                      | 5:1                          |  |  |
| Fine Corsa Stromag®   4 interruttori<br><i>Stromag® Limit Switch   4 switches</i> | Optional                     |  |  |

#### Informazioni Tecniche Technical Information



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza 8:1

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 5 pocket load wheels, Safety Factor 8:1.*

Conforme alla linea guida IGWW SQP2

*In accordance with IGWW SQP2 code of practice*

# Divo FOUR

D8

Paranco Elettrico a catena  
*Electric Chain Hoist*

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## Informazioni Tecniche *Technical Information*

Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza 8:1

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 5 pocket load wheels, Safety Factor 8:1.*

Conforme alla linea guida IGWW SQP2

*In accordance with IGWW SQP2 code of practice,*

**2000**  
**4m/min**

**2000**  
**2m/min**

## Specifiche Tecniche *Technical Specifications*

|   |                              |                              |  |
|---|------------------------------|------------------------------|--|
| Codice<br><i>Code</i>   | DXV2000                      | DXU2000                      |  |
| Capacità di carico<br><i>Load capacity</i>  | 2000 kg                      | 2000 kg                      |  |
| Velocità di sollevamento a 50 Hz<br><i>Lifting speed at 50 Hz</i>                 | 4 m/min                      | 2 m/min                      |  |
| Tensione di esercizio<br><i>Operating voltage</i>                                 | 400 V - 3P + E - 50 Hz       | 400 V - 3P + E - 50 Hz       |  |
| Classe di protezione<br><i>Protection class</i>                                   | IP 55<br>DIN 40050           | IP 55<br>DIN 40050           |  |
| Potenza del motore a 50Hz<br><i>Motor power at 50Hz</i>                           | 1,5 kW                       | 0,75 kW                      |  |
| Classe Fem<br><i>FEM CLASS</i>  | 2m                           | 2m                           |  |
| Sistema di Frenata in corrente continua<br><i>DC Brake system</i>                 | 1                            | 1                            |  |
| Livello di rumore<br><i>Noise level</i>   | <67.5 dB<br>(full load)      | <67.5 dB<br>(full load)      |  |
| Noce di carico<br><i>Load wheel</i>   | 5 pockets                    | 5 pockets                    |  |
| Catena di carico RUD®<br><i>RUD® Load chain</i>                                   | 8x24mm                       | 8x24mm                       |  |
| Numero catene<br><i>Chain Falls Number</i>  | 2                            | 2                            |  |
| Peso della catena<br><i>Chain Weight</i>  | 1,4 kg/m                     | 1,4 kg/m                     |  |
| Peso del corpo macchina<br><i>Body Weight</i>                                     | 53 kg                        | 53 kg                        |  |
| Tipo di controllo<br><i>Control Type</i>  | Direct Control               | Direct Control               |  |
| Tipo di connettore   Spina Rossa<br><i>Connector Type   Red Plug</i>              | 400V CEE 16 A - 3P+E         | 400V CEE 16 A - 3P+E         |  |
| Uso rovesciato<br><i>Climbing use</i>   | Consentito<br><i>Allowed</i> | Consentito<br><i>Allowed</i> |  |
| Fattore di sicurezza<br><i>Safety Factor</i>                                      | 8:1                          | 8:1                          |  |
| Fine Corsa Stromag®   4 interruttori<br><i>Stromag® Limit Switch   4 switches</i> | Optional                     | Optional                     |  |

**200**  
**8m/min**

**250**  
**4m/min**

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#### Informazioni Tecniche Technical Information



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza 8:1

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 5 pocket load wheels, Safety Factor 8:1*

Conforme alla linea guida IGWW SQP2

*In accordance with IGWW SQP2 code of practice*

\*\*Disponibile una versione per il mercato italiano del DSE250 declassato a 200kg = DSC200

*\*\*A downgraded version of our DSE250 is available only for the Italian market*

#### Specifiche Tecniche Technical Specifications

|   | 200                     | 250                     |  |
|---|-------------------------|-------------------------|--|
| Codice<br>Code  | DSD200                  | DSE250                  |  |
| Capacità di carico**<br>Load capacity                         | 200 kg                  | 250 kg                  |  |
| Velocità di sollevamento a 50 Hz<br>Lifting speed at 50 Hz    | 8 m/min                 | 4 m/min                 |  |
| Tensione di esercizio<br>Operating voltage                    | 400 V - 3P + E - 50 Hz  | 400 V - 3P + E - 50 Hz  |  |
| Classe di protezione<br>Protection class                      | IP 55<br>DIN 40050      | IP 55<br>DIN 40050      |  |
| Potenza del motore a 50Hz<br>Motor power at 50Hz              | 0.18 kW                 | 0.18 kW                 |  |
| Classe Fem<br>FEM CLASS                                       | 2m                      | 2m                      |  |
| Sistema di Frenata in corrente continua<br>DC Brake system    | 2                       | 2                       |  |
| Livello di rumore<br>Noise level                              | <67.5 dB<br>(full load) | <67.5 dB<br>(full load) |  |
| Noce di carico<br>Load wheel                                  | 5 pockets               | 5 pockets               |  |
| Catena di carico RUD®<br>RUD® Load chain                      | 4x12 mm                 | 4x12 mm                 |  |
| Numero catene<br>Chain Falls Number                           | 1                       | 1                       |  |
| Peso della catena<br>Chain Weight                             | 0,36 kg/m               | 0,36 kg/m               |  |
| Peso del corpo macchina<br>Body Weight                        | 12 kg                   | 12 kg                   |  |
| Tipo di controllo<br>Control Type                             | Direct Control          | Direct Control          |  |
| Tipo di connettore   Spina Rossa<br>Connector Type   Red Plug | 400V CEE 16 A - 3P+T    | 400V CEE 16 A - 3P+T    |  |
| Uso rovesciato<br>Climbing use                                | Consentito<br>Allowed   | Consentito<br>Allowed   |  |
| Fattore di sicurezza<br>Safety Factor                         | 10:1                    | 8:1                     |  |
| Maniglie<br>Handles   | Optional                | Optional                |  |
| Cella di Carico Esterna<br>External Load Cell                 | Optional                | Optional                |  |



# Divo TWO

**D8  
PLUS**

Paranco Elettrico a catena  
*Electric Chain Hoist*

00



## Informazioni Tecniche *Technical Information*



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 6 alveoli, fattore di sicurezza 10:1. Disponibile in bassa tensione

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 6 pocket load wheels, Safety Factor 10:1. Low voltage available*

Conforme alla linea guida IGWW SQP2

*In accordance with IGWW SQP2 code of practice,*

|  | 125     | 250    | 320    |
|--|---------|--------|--------|
|  | 16m/min | 8m/min | 4m/min |

## Specifiche Tecniche *Technical Specifications*

|   | 125                          | 250                          | 320                          |
|---|------------------------------|------------------------------|------------------------------|
| Codice<br><i>Code</i>   | DMG125                       | DMH250                       | DMI320                       |
| Capacità di carico<br><i>Load capacity</i>  | 125 kg                       | 250 kg                       | 320 kg                       |
| Velocità di sollevamento a 50 Hz<br><i>Lifting speed at 50 Hz</i>                 | 16 m/min                     | 8 m/min                      | 4 m/min                      |
| Tensione di esercizio<br><i>Operating voltage</i>                                 | 400 V - 3P + E - 50 Hz       | 400 V - 3P + E - 50 Hz       | 400 V - 3P + E - 50 Hz       |
| Classe di protezione<br><i>Protection class</i>                                   | IP 55<br>DIN 40050           | IP 55<br>DIN 40050           | IP 55<br>DIN 40050           |
| Potenza del motore a 50Hz<br><i>Motor power at 50Hz</i>                           | 0,37 kW                      | 0,37 kW                      | 0,37 kW                      |
| Classe Fem<br><i>FEM CLASS</i>  | 2m                           | 2m                           | 2m                           |
| Sistema di Frenata in corrente continua<br><i>DC Brake system</i>                 | 2                            | 2                            | 2                            |
| Livello di rumore<br><i>Noise level</i>   | <67.5 dB<br>(full load)      | <67.5 dB<br>(full load)      | <67.5 dB<br>(full load)      |
| Noce di carico<br><i>Load wheel</i>   | 6 pockets                    | 6 pockets                    | 6 pockets                    |
| Catena di carico RUD®<br><i>RUD® Load chain</i>                                   | 5x15mm                       | 5x15mm                       | 5x15mm                       |
| Numero catene<br><i>Chain Falls Number</i>  | 1                            | 1                            | 1                            |
| Peso della catena<br><i>Chain Weight</i>  | 0,54kg/m                     | 0,54kg/m                     | 0,54kg/m                     |
| Peso del corpo macchina<br><i>Body Weight</i>                                     | -                            | -                            | -                            |
| Tipo di controllo<br><i>Control Type</i>  | Direct Control               | Direct Control               | Direct Control               |
| Tipo di connettore   Spina Rossa<br><i>Connector Type   Red Plug</i>              | 400V CEE 16 A - 3P+T         | 400V CEE 16 A - 3P+T         | 400V CEE 16 A - 3P+T         |
| Uso rovesciato<br><i>Climbing use</i>   | Consentito<br><i>Allowed</i> | Consentito<br><i>Allowed</i> | Consentito<br><i>Allowed</i> |
| Fattore di sicurezza<br><i>Safety Factor</i>                                      | 10:1                         | 10:1                         | 10:1                         |
| Cella di Carico<br><i>Load Cell</i>   | Optional                     | Optional                     | Optional                     |
| Fine Corsa Stromag®   4 interruttori<br><i>Stromag® Limit Switch   4 switches</i> | Optional                     | Optional                     | Optional                     |
| Encoder<br><i>Encoder</i>   | Optional                     | Optional                     | Optional                     |
| Inverter<br><i>Inverter</i>   | Optional                     | Optional                     | Optional                     |

**250**  
**16m/min**

**500**  
**8m/min**

**630**  
**4m/min**

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### Specifiche Tecniche Technical Specifications

|   | 250                          | 500                          | 630                          |
|---|------------------------------|------------------------------|------------------------------|
| Codice<br><i>Code</i>   | DLN250                       | DLO500                       | DLP630                       |
| Capacità di carico<br><i>Load capacity</i>  | 250 kg                       | 500 kg                       | 630 kg                       |
| Velocità di sollevamento a 50 Hz<br><i>Lifting speed at 50 Hz</i>                 | 16 m/min                     | 8 m/min                      | 4 m/min                      |
| Tensione di esercizio<br><i>Operating voltage</i>                                 | 400 V - 3P + E - 50 Hz       | 400 V - 3P + E - 50 Hz       | 400 V - 3P + E - 50 Hz       |
| Classe di protezione<br><i>Protection class</i>                                   | IP 55<br>DIN 40050           | IP 55<br>DIN 40050           | IP 55<br>DIN 40050           |
| Potenza del motore a 50Hz<br><i>Motor power at 50Hz</i>                           | 0.72 kW                      | 0.72 kW                      | 0.72 kW                      |
| Classe Fem<br><i>FEM CLASS</i>  | 2m                           | 2m                           | 2m                           |
| Sistema di Frenata in corrente continua<br><i>DC Brake system</i>                 | 2                            | 2                            | 2                            |
| Livello di rumore<br><i>Noise level</i>   | <67.5 dB<br>(full load)      | <67.5 dB<br>(full load)      | <67.5 dB<br>(full load)      |
| Noce di carico<br><i>Load wheel</i>   | 5 pockets                    | 5 pockets                    | 5 pockets                    |
| Catena di carico RUD®<br><i>RUD® Load chain</i>                                   | 6,3x19 mm                    | 6,3x19 mm                    | 6,3x19 mm                    |
| Numero catene<br><i>Chain Falls Number</i>  | 1                            | 1                            | 1                            |
| Peso della catena<br><i>Chain Weight</i>  | 0,86 kg/m                    | 0,86 kg/m                    | 0,86 kg/m                    |
| Peso del corpo macchina<br><i>Body Weight</i>                                     | -                            | -                            | -                            |
| Tipo di controllo<br><i>Control Type</i>  | Direct Control               | Direct Control               | Direct Control               |
| Tipo di connettore   Spina Rossa<br><i>Connector Type   Red Plug</i>              | 400V CEE 16 A - 3P+T         | 400V CEE 16 A - 3P+T         | 400V CEE 16 A - 3P+T         |
| Uso rovesciato<br><i>Climbing use</i>   | Consentito<br><i>Allowed</i> | Consentito<br><i>Allowed</i> | Consentito<br><i>Allowed</i> |
| Fattore di sicurezza<br><i>Safety Factor</i>                                      | 10:1                         | 10:1                         | 8:1                          |
| Cella di Carico<br><i>Load Cell</i>   | Optional                     | Optional                     | Optional                     |
| Fine Corsa Stromag®   4 interruttori<br><i>Stromag® Limit Switch   4 switches</i> | Optional                     | Optional                     | Optional                     |

### Informazioni Tecniche Technical Information



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza minimo 8:1. Disponibile in bassa tensione

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 5 pocket load wheels, Minimum Safety Factor 8:1. Low voltage available*

Conforme alla linea guida IGWW SQP2

*In accordance with IGWW SQP2 code of practice*

**500**      **1000**      **1000**  
**16m/min**    **8m/min**    **4m/min**

### Specifiche Tecniche *Technical Specifications*

|   | 500                          | 1000                         | 1000                         |
|---|------------------------------|------------------------------|------------------------------|
| Codice<br><i>Code</i>   | DXW500                       | DXY1000                      | DXX1000                      |
| Capacità di carico<br><i>Load capacity</i>  | 500 kg                       | 1000 kg                      | 1000 kg                      |
| Velocità di sollevamento a 50 Hz<br><i>Lifting speed at 50 Hz</i>                 | 16 m/min                     | 8 m/min                      | 4 m/min                      |
| Tensione di esercizio<br><i>Operating voltage</i>                                 | 400 V - 3P + E - 50 Hz       | 400 V - 3P + E - 50 Hz       | 400 V - 3P + E - 50 Hz       |
| Classe di protezione<br><i>Protection class</i>                                   | IP 55<br>DIN 40050           | IP 55<br>DIN 40050           | IP 55<br>DIN 40050           |
| Potenza del motore a 50Hz<br><i>Motor power at 50Hz</i>                           | 1,5 kW                       | 1,5 kW                       | 0,75 kW                      |
| Classe Fem<br><i>FEM CLASS</i>  | 2m                           | 2m                           | 2m                           |
| Sistema di Frenata in corrente continua<br><i>DC Brake system</i>                 | 2                            | 2                            | 2                            |
| Livello di rumore<br><i>Noise level</i>   | <67.5 dB<br>(full load)      | <67.5 dB<br>(full load)      | <67.5 dB<br>(full load)      |
| Noce di carico<br><i>Load wheel</i>   | 5 pockets                    | 5 pockets                    | 5 pockets                    |
| Catena di carico RUD®<br><i>RUD® Load chain</i>                                   | 8x24mm                       | 8x24mm                       | 8x24mm                       |
| Numero catene<br><i>Chain Falls Number</i>  | 1                            | 1                            | 1                            |
| Peso della catena<br><i>Chain Weight</i>  | 1,4kg/m                      | 1,4kg/m                      | 1,4kg/m                      |
| Peso del corpo macchina<br><i>Body Weight</i>                                     | 54 kg                        | 54 kg                        | 54 kg                        |
| Tipo di controllo<br><i>Control Type</i>  | Direct Control               | Direct Control               | Direct Control               |
| Tipo di connettore   Spina Rossa<br><i>Connector Type   Red Plug</i>              | 400V CEE 16 A - 3P+T         | 400V CEE 16 A - 3P+T         | 400V CEE 16 A - 3P+T         |
| Uso rovesciato<br><i>Climbing use</i>   | Consentito<br><i>Allowed</i> | Consentito<br><i>Allowed</i> | Consentito<br><i>Allowed</i> |
| Fattore di sicurezza<br><i>Safety Factor</i>                                      | 10:1                         | 8:1                          | 8:1                          |
| Cella di Carico<br><i>Load Cell</i>   | Optional                     | Optional                     | Optional                     |
| Fine Corsa Stromag®   4 interruttori<br><i>Stromag® Limit Switch   4 switches</i> | Optional                     | Optional                     | Optional                     |



### Informazioni Tecniche *Technical Information*



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza minimo 8:1. Disponibile in bassa tensione

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 6 pocket load wheels. Minimum Safety Factor 8:1. Low voltage available*

Conforme alla linea guida IGWW SQP2

*In accordance with IGWW SQP2 code of practice,*



# Divo FOUR

**D8  
PLUS**

Paranco Elettrico a catena  
*Electric Chain Hoist*

**2000**  
**2m/min**

**2000**  
**4m/min**

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## Informazioni Tecniche *Technical Information*

Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza 8:1. Disponibile in bassa tensione

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 5 pocket load wheels, Safety Factor 8:1. Low voltage available*

Conforme alla linea guida IGWW SQP2

*In accordance with IGWW SQP2 code of practice*

## Specifiche Tecniche *Technical Specifications*

|   | 2000                         | 2000                         |  |
|---|------------------------------|------------------------------|--|
| Codice<br><i>Code</i>   | DXZ2000                      | DXVA2000                     |  |
| Capacità di carico<br><i>Load capacity</i>  | 2000 kg                      | 2000 kg                      |  |
| Velocità di sollevamento a 50 Hz<br><i>Lifting speed at 50 Hz</i>                 | 2 m/min                      | 4 m/min                      |  |
| Tensione di esercizio<br><i>Operating voltage</i>                                 | 400 V - 3P + E - 50 Hz       | 400 V - 3P + E - 50 Hz       |  |
| Classe di protezione<br><i>Protection class</i>                                   | IP 55<br>DIN 40050           | IP 55<br>DIN 40050           |  |
| Potenza del motore a 50Hz<br><i>Motor power at 50Hz</i>                           | 0.75 kW                      | 1,5 kW                       |  |
| Classe Fem<br><i>FEM CLASS</i>  | 2m                           | 2m                           |  |
| Sistema di Frenata in corrente continua<br><i>DC Brake system</i>                 | 2                            | 2                            |  |
| Livello di rumore<br><i>Noise level</i>   | <67.5 dB<br>(full load)      | <67.5 dB<br>(full load)      |  |
| Noce di carico<br><i>Load wheel</i>   | 5 pockets                    | 5 pockets                    |  |
| Catena di carico RUD®<br><i>RUD® Load chain</i>                                   | 8x24mm                       | 8x24mm                       |  |
| Numero catene<br><i>Chain Falls Number</i>  | 2                            | 2                            |  |
| Peso della catena<br><i>Chain Weight</i>  | 1,4 kg/m                     | 1,4 kg/m                     |  |
| Peso del corpo macchina<br><i>Body Weight</i>                                     | 54 kg                        | 54 kg                        |  |
| Tipo di controllo<br><i>Control Type</i>  | Direct Control               | Direct Control               |  |
| Tipo di connettore   Spina Rossa<br><i>Connector Type   Red Plug</i>              | 400V CEE 16 A - 3P+T         | 400V CEE 16 A - 3P+T         |  |
| Uso rovesciato<br><i>Climbing use</i>   | Consentito<br><i>Allowed</i> | Consentito<br><i>Allowed</i> |  |
| Fattore di sicurezza<br><i>Safety Factor</i>                                      | 8:1                          | 8:1                          |  |
| Cella di Carico<br><i>Load Cell</i>   | Optional                     | Optional                     |  |
| Fine Corsa Stromag®   4 interruttori<br><i>Stromag® Limit Switch   4 switches</i> | Optional                     | Optional                     |  |

|  | 125     | 250    | 320    |
|--|---------|--------|--------|
|  | 16m/min | 8m/min | 4m/min |



#### Specifiche Tecniche Technical Specifications

|  | 125                     | 250                        | 320                     |
|--|-------------------------|----------------------------|-------------------------|
| Codice<br>Code   | DMJ125                  | DMK250                     | DML320                  |
| Capacità di carico<br>Load capacity  | 125 kg                  | 250 kg                     | 320 kg                  |
| Velocità di sollevamento a 50 Hz<br>Lifting speed at 50 Hz                 | 16 m/min                | 8 m/min                    | 4 m/min                 |
| Tensione di esercizio<br>Operating voltage                                 | 400 V - 3P + E - 50 Hz  | 400 V - 3P + E - 50 Hz     | 400 V - 3P + E - 50 Hz  |
| Classe di protezione<br>Protection class                                   | IP 55<br>DIN 40050      | IP 55<br>DIN 40050         | IP 55<br>DIN 40050      |
| Potenza del motore a 50Hz<br>Motor power at 50Hz                           | 0,37 kW                 | 0,37 kW                    | 0,37 kW                 |
| Classe Fem<br>FEM CLASS  | 2m                      | 2m                         | 2m                      |
| Sistema di Frenata in corrente continua<br>DC Brake system                 | 2                       | 2                          | 2                       |
| Livello di rumore<br>Noise level   | <67.5 dB<br>(full load) | <67.5 dB<br>(full load)    | <67.5 dB<br>(full load) |
| Noce di carico<br>Load wheel   | 6 pockets               | 6 pockets                  | 6 pockets               |
| Catena di carico RUD®<br>RUD® Load chain                                   | 5x15mm                  | 5x15mm                     | 5x15mm                  |
| Numero catene<br>Chain Falls Number  | 1                       | 1                          | 1                       |
| Peso della catena<br>Chain Weight  | 0,54kg/m                | 0,54kg/m                   | 0,54kg/m                |
| Peso del corpo macchina<br>Body Weight                                     | -                       | -                          | -                       |
| Tipo di controllo<br>Control Type  | Low Voltage             | Low Voltage                | Low Voltage             |
| Tipo di connettore<br>Connector Type                                       | Multipolar              | Multipolar                 | Multipolar              |
| Uso rovesciato<br>Climbing use   | Consentito<br>Allowed   | Consentito<br>Allowed      | Consentito<br>Allowed   |
| Fattore di sicurezza<br>Safety Factor                                      | 10:1                    | 10:1                       | 10:1                    |
| Cella di Carico<br>Load Cell   | Inclusa<br>Included     | Inclusa<br>Included        | Inclusa<br>Included     |
| Fine Corsa Stromag®   4 interruttori<br>Stromag® Limit Switch   4 switches | Inclusa<br>Included     | Inclusa<br>Included        | Inclusa<br>Included     |
| Encoder<br>Encoder   | Optional                | Optional                   | Optional                |
| Inverter<br>Inverter   | Necessario<br>Necessary | Consigliato<br>Recommended | Optional                |

#### Informazioni Tecniche Technical Information



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 6 alveoli, fattore di sicurezza 10:1

Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 6 pocket load wheels, Safety Factor 10:1.

Conforme alla linea guida IGWW SQP2

In accordance with IGWW SQP2 code of practice

**250**  
**16m/min**

**500**  
**8m/min**

**630**  
**4m/min**

13



## Specifiche Tecniche Technical Specifications

|   | 250                            | 500                               | 630                          |
|---|--------------------------------|-----------------------------------|------------------------------|
| Codice<br><i>Code</i>   | DLQ250                         | DLR500                            | DLS630                       |
| Capacità di carico<br><i>Load capacity</i>  | 250 kg                         | 500 kg                            | 630 kg                       |
| Velocità di sollevamento a 50 Hz<br><i>Lifting speed at 50 Hz</i>                 | 16 m/min                       | 8 m/min                           | 4 m/min                      |
| Tensione di esercizio<br><i>Operating voltage</i>                                 | 400 V - 3P + E - 50 Hz         | 400 V - 3P + E - 50 Hz            | 400 V - 3P + E - 50 Hz       |
| Classe di protezione<br><i>Protection class</i>                                   | IP 55<br>DIN 40050             | IP 55<br>DIN 40050                | IP 55<br>DIN 40050           |
| Potenza del motore a 50Hz<br><i>Motor power at 50Hz</i>                           | 0.72 kW                        | 0.72 kW                           | 0.72 kW                      |
| Classe Fem<br><i>FEM CLASS</i>  | 2m                             | 2m                                | 2m                           |
| Sistema di Frenata in corrente continua<br><i>DC Brake system</i>                 | 2                              | 2                                 | 2                            |
| Livello di rumore<br><i>Noise level</i>   | <67.5 dB<br>(full load)        | <67.5 dB<br>(full load)           | <67.5 dB<br>(full load)      |
| Noce di carico<br><i>Load wheel</i>   | 5 pockets                      | 5 pockets                         | 5 pockets                    |
| Catena di carico RUD®<br><i>RUD® Load chain</i>                                   | 6,3x19 mm                      | 6,3x19 mm                         | 6,3x19 mm                    |
| Numero catene<br><i>Chain Falls Number</i>  | 1                              | 1                                 | 1                            |
| Peso della catena<br><i>Chain Weight</i>  | 0,86 kg/m                      | 0,86 kg/m                         | 0,86 kg/m                    |
| Peso del corpo macchina<br><i>Body Weight</i>                                     | -                              | -                                 | -                            |
| Tipo di controllo<br><i>Control Type</i>  | Low Voltage                    | Low Voltage                       | Low Voltage                  |
| Tipo di connettore<br><i>Connector Type</i>                                       | Multipolar                     | Multipolar                        | Multipolar                   |
| Uso rovesciato<br><i>Climbing use</i>   | Consentito<br><i>Allowed</i>   | Consentito<br><i>Allowed</i>      | Consentito<br><i>Allowed</i> |
| Fattore di sicurezza<br><i>Safety Factor</i>                                      | 10:1                           | 10:1                              | 10:1                         |
| Cella di Carico<br><i>Load Cell</i>   | Inclusa<br><i>Included</i>     | Inclusa<br><i>Included</i>        | Inclusa<br><i>Included</i>   |
| Fine Corsa Stromag®   4 interruttori<br><i>Stromag® Limit Switch   4 switches</i> | Inclusa<br><i>Included</i>     | Inclusa<br><i>Included</i>        | Inclusa<br><i>Included</i>   |
| Encoder<br><i>Encoder</i>   | /Optional                      | Optional                          | Optional                     |
| Inverter<br><i>Inverter</i>   | Necessario<br><i>Necessary</i> | Consigliato<br><i>Recommended</i> | Optional                     |

## Informazioni Tecniche Technical Information



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza minimo 8:1.

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 5 pocket load wheels, Minimum Safety Factor 8:1.*

Conforme alla linea guida IGWW SQP2

*In accordance with IGWW SQP2 code of practice*

**500**      **1000**      **1000**  
**16m/min**    **8m/min**    **4m/min**

### Specifiche Tecniche Technical Specifications

|   | 500                            | 1000                              | 1000                         |
|---|--------------------------------|-----------------------------------|------------------------------|
| Codice<br><i>Code</i>   | DXWB500                        | DXYB1000                          | DXXB1000                     |
| Capacità di carico<br><i>Load capacity</i>  | 500 kg                         | 1000 kg                           | 1000 kg                      |
| Velocità di sollevamento a 50 Hz<br><i>Lifting speed at 50 Hz</i>                 | 16 m/min                       | 8 m/min                           | 4 m/min                      |
| Tensione di esercizio<br><i>Operating voltage</i>                                 | 400 V - 3P + E - 50 Hz         | 400 V - 3P + E - 50 Hz            | 400 V - 3P + E - 50 Hz       |
| Classe di protezione<br><i>Protection class</i>                                   | IP 55<br>DIN 40050             | IP 55<br>DIN 40050                | IP 55<br>DIN 40050           |
| Potenza del motore a 50Hz<br><i>Motor power at 50Hz</i>                           | 1,5 kW                         | 1,5 kW                            | 0,75 kW                      |
| Classe Fem<br><i>FEM CLASS</i>  | 2m                             | 2m                                | 2m                           |
| Sistema di Frenata in corrente continua<br><i>DC Brake system</i>                 | 2                              | 2                                 | 2                            |
| Livello di rumore<br><i>Noise level</i>   | <67.5 dB<br>(full load)        | <67.5 dB<br>(full load)           | <67.5 dB<br>(full load)      |
| Noce di carico<br><i>Load wheel</i>   | 5 pockets                      | 5 pockets                         | 5 pockets                    |
| Catena di carico RUD®<br><i>RUD® Load chain</i>                                   | 8x24mm                         | 8x24mm                            | 8x24mm                       |
| Numero catene<br><i>Chain Falls Number</i>  | 1                              | 1                                 | 1                            |
| Peso della catena<br><i>Chain Weight</i>  | 1,4kg/m                        | 1,4kg/m                           | 1,4kg/m                      |
| Peso del corpo macchina<br><i>Body Weight</i>                                     | 54 kg                          | 54 kg                             | 54 kg                        |
| Tipo di controllo<br><i>Control Type</i>  | Low Voltage                    | Low Voltage                       | Low Voltage                  |
| Tipo di connettore<br><i>Connector Type</i>                                       | Multipolar                     | Multipolar                        | Multipolar                   |
| Uso rovesciato<br><i>Climbing use</i>   | Consentito<br><i>Allowed</i>   | Consentito<br><i>Allowed</i>      | Consentito<br><i>Allowed</i> |
| Fattore di sicurezza<br><i>Safety Factor</i>                                      | 10:1                           | 8:1                               | 8:1                          |
| Cella di Carico<br><i>Load Cell</i>   | Inclusa<br><i>Included</i>     | Inclusa<br><i>Included</i>        | Inclusa<br><i>Included</i>   |
| Fine Corsa Stromag®   4 interruttori<br><i>Stromag® Limit Switch   4 switches</i> | Inclusa<br><i>Included</i>     | Inclusa<br><i>Included</i>        | Inclusa<br><i>Included</i>   |
| Encoder<br><i>Encoder</i>   | Optional                       | Optional                          | Optional                     |
| Inverter<br><i>Inverter</i>   | Necessario<br><i>Necessary</i> | Consigliato<br><i>Recommended</i> | Optional                     |



### Informazioni Tecniche Technical Information



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza minimo 8:1.

*Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 6 pocket load wheels, Minimum Safety Factor 8:1.*

Conforme alla linea guida IGWW SQP2,

*In accordance with IGWW SQP2 code of practice*



**2000**  
**4m/min**

**2000**  
**2m/min**

15



### Informazioni Tecniche Technical Information



Corpo in alluminio, tensione diretta, sistema di guida catena progettato per ridurre l'inceppamento della catena, noce di carico a 5 alveoli, fattore di sicurezza 8:1

Aluminium body, direct tension, steel chain guide designed to reduce the chain jamming risk, 5 pocket load wheels, Safety Factor 8:1.

Conforme alla linea guida IGWW SQP2

In accordance with IGWW SQP2 code of practice

### Specifiche Tecniche Technical Specifications

|  | 2000                    | 2000                       |  |
|--|-------------------------|----------------------------|--|
| Codice<br>Code   | DXVB2000                | DXUB2000                   |  |
| Capacità di carico<br>Load capacity  | 2000 kg                 | 2000 kg                    |  |
| Velocità di sollevamento a 50 Hz<br>Lifting speed at 50 Hz                 | 4 m/min                 | 2 m/min                    |  |
| Tensione di esercizio<br>Operating voltage                                 | 400 V - 3P + E - 50 Hz  | 400 V - 3P + E - 50 Hz     |  |
| Classe di protezione<br>Protection class                                   | IP 55<br>DIN 40050      | IP 55<br>DIN 40050         |  |
| Potenza del motore a 50Hz<br>Motor power at 50Hz                           | 1,5 kW                  | 0,75 kW                    |  |
| Classe Fem<br>FEM CLASS  | 2m                      | 2m                         |  |
| Sistema di Frenata in corrente continua<br>DC Brake system                 | 2                       | 2                          |  |
| Livello di rumore<br>Noise level   | <67.5 dB<br>(full load) | <67.5 dB<br>(full load)    |  |
| Noce di carico<br>Load wheel   | 5 pockets               | 5 pockets                  |  |
| Catena di carico RUD®<br>RUD® Load chain                                   | 8x24mm                  | 8x24mm                     |  |
| Numero catene<br>Chain Falls Number  | 2                       | 2                          |  |
| Peso della catena<br>Chain Weight  | 1,4 kg/m                | 1,4 kg/m                   |  |
| Peso del corpo macchina<br>Body Weight                                     | 54 kg-                  | 54 kg-                     |  |
| Tipo di controllo<br>Control Type  | Low Voltage             | Low Voltage                |  |
| Tipo di connettore<br>Connector Type                                       | Multipolar              | Multipolar                 |  |
| Uso rovesciato<br>Climbing use   | Consentito<br>Allowed   | Consentito<br>Allowed      |  |
| Fattore di sicurezza<br>Safety Factor                                      | 8:1                     | 8:1                        |  |
| Cella di Carico<br>Load Cell   | Inclusa<br>Included     | Inclusa<br>Included        |  |
| Fine Corsa Stromag®   4 interruttori<br>Stromag® Limit Switch   4 switches | Inclusa<br>Included     | Inclusa<br>Included        |  |
| Encoder<br>Encoder   | Optional                | Optional                   |  |
| Inverter<br>Inverter   | Necessario<br>Necessary | Consigliato<br>Recommended |  |



# POWER TO PERFORM

**PRODUCT CATALOG**  
COLUMBUS MCKINNON CORPORATION  
ENTERTAINMENT PRODUCTS





# LODESTAR®

## Specs

### CAPACITIES

1/8 to 2 TON

### LIFT

60 feet standard  
(other lifts available)

### SPEEDS

5 to 100 feet/min

### VOLTAGES

1-phase  
& 3-phase available

## NEW FEATURES ON THIS NEXT GENERATION OF LODESTAR

**5 POCKET LIFTWHEEL**  
IMPROVED CHAIN WEAR & SMOOTH LIFTING

**CLUTCH OUTSIDE GEAR TRAIN**  
MEETS INTERNATIONAL STANDARDS

**PRECISION HELICAL GEARING**  
FOR QUIETER OPERATION

**REDESIGNED CONTROL PANEL**  
FOR EASIER ACCESS

### STANDARD FEATURES

#### HEAVY DUTY DC BRAKE

Designed for a long service life, the brake location allows for quick access & easy inspection.

#### LOW VOLTAGE CONTROL

110 Volt for long cable runs without voltage drop. 24 & 48 Volt optional. (Low Voltage Unit Only)

#### DURABLE & LIGHTWEIGHT HOUSING

Cast aluminum. Black powder coated finish for low visibility.

#### GEARING

Helical design for long wear life and smooth operation.

#### LOAD CHAIN

Designed and manufactured by Columbus McKinnon. Zinc plated to protect against corrosion. Optional black finish available.

#### DUTY CYCLE

H-4 duty rated for heavy duty application. 2M+ FEM class. 50% Duty Cycle or 300 on/off per hour.

#### ELECTRICAL

Finger safe wiring meets all electrical codes. Quick change plugs allow for voltages 208 through 460. Prevents improper voltage connections which can cause hoist damage. (Low Voltage Unit Only)

#### ADJUSTABLE LIMIT SWITCH

Adjustable screw limit switch that will automatically stop the hook at any predetermined point when either lifting or lowering, preventing overtravel. (Low Voltage Unit Only)

#### OVERLOAD PROTECTOR

Designed to prevent lifting of excessive overloads. Helps prevent lifting of dangerous overloads.

#### METRIC RATED

#### MEETS REQUIREMENTS

Meets or exceeds world standards.

#### ROAD READY

Easy to stow and travel.

#### LIFETIME WARRANTY

The industry's best.

### OPTIONAL FEATURES

#### DOUBLE DC BRAKE

Two independent acting DC brakes for redundant braking. Field installation kit available.

#### AC ELECTRIC BRAKE

#### ENCODERS AVAILABLE

Incremental & Absolute.

#### CHAIN BAGS

Cloth type bags easy-to-mount.

#### VARIABLE SPEED UNITS AVAILABLE

#### ALLOY LATCHLOK HOOKS

Remains locked until released by the operator, even if chain goes slack.

## DIRECT CONTROL UNIT OPTION

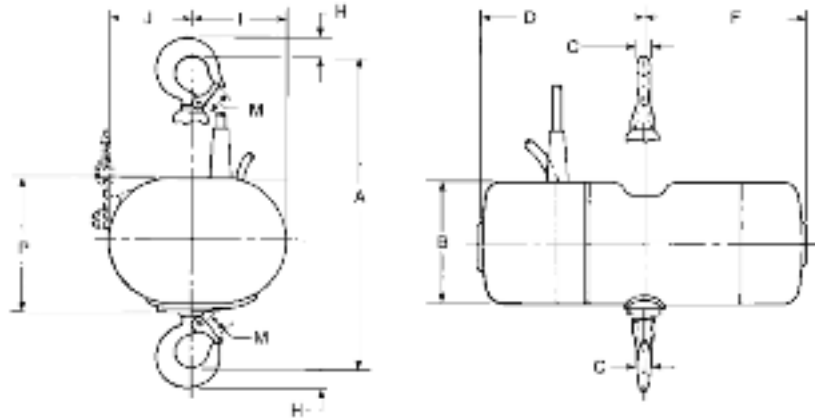
The CM Lodestar is available as a Direct Control Unit. Featuring a single cable, this Direct Control Unit can be used as part of a system with multiple units with a single control. The Lodestar is compatible with most Direct Control Motor Controllers.

# LODESTAR

## Specifications, Dimensions & Key Components

### 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 D8

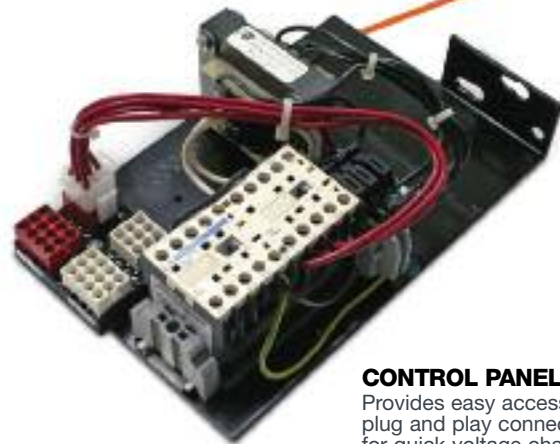
| MODEL | RATED LOAD TON* | LIFTING SPEED (FPM) | MOTOR HP | OPERATING VOLTAGE** | FULL LOAD AMPS | WORK RATING |     | REEVING | PROTECTION CLASS | NOISE LEVEL | LIFT (FEET)*** |
|-------|-----------------|---------------------|----------|---------------------|----------------|-------------|-----|---------|------------------|-------------|----------------|
|       |                 |                     |          |                     |                | HMI         | FEM |         |                  |             |                |
| 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 60ft available (Standard Units shipped less chain unless specified)  
 Consult factory for additional speeds and capacities



### LOAD CHAIN

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



### 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).





**LIFT WHEEL**

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



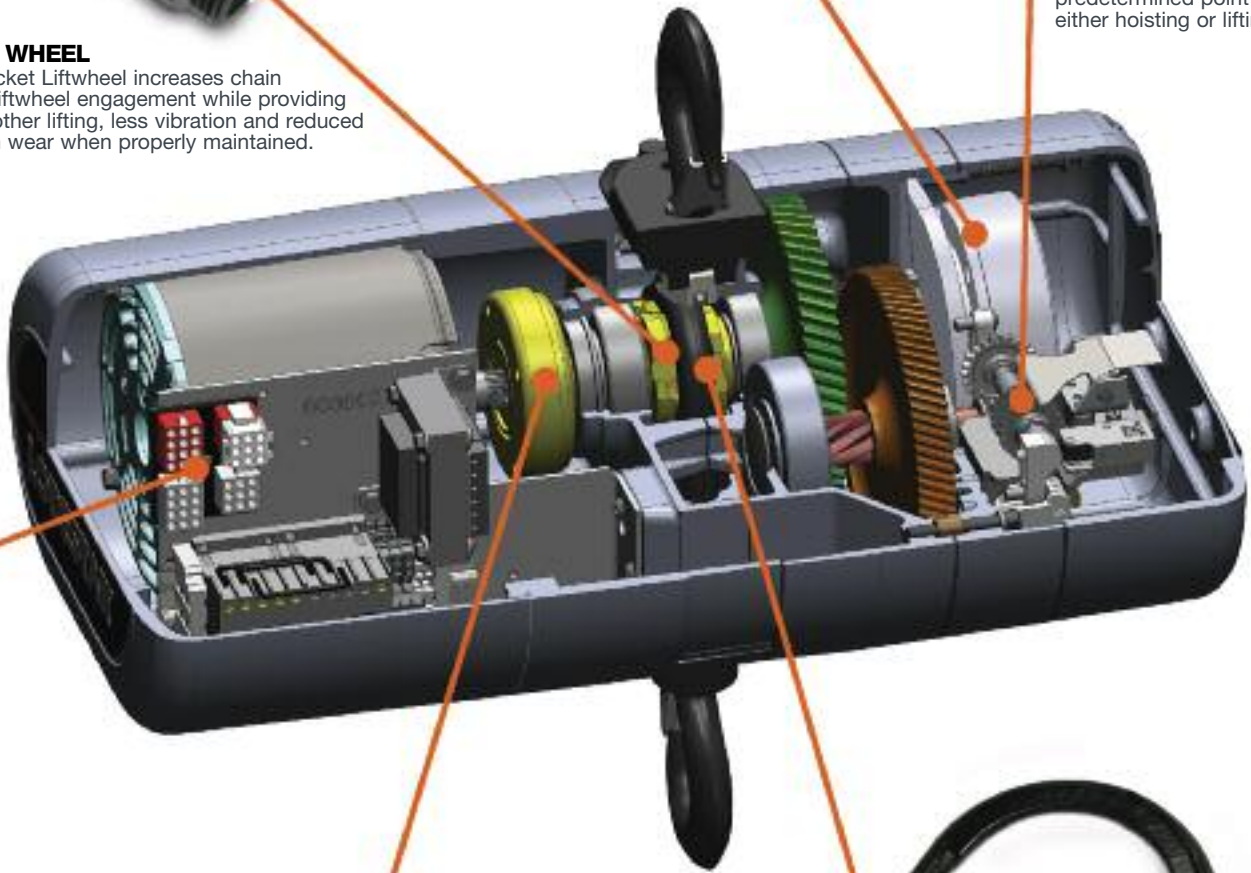
**BRAKE**

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



**LIMIT SWITCH**

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



**CLUTCH**

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



**INTERNAL CHAIN GUIDE**

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



# LODESTAR®

## ELECTRIC CHAIN MOTOR

### 2-TON, SINGLE-REEVED

The CM® entertainment Lodestar® is now available as an economical 2-ton, single-reeved unit that's ideal for a variety of lifting applications. And, because it's a single-reeved unit, overall weight is decreased making it easier to transport and rig compared to a traditional double-reeved unit.

#### BENEFITS & FEATURES

##### LESS MAINTENANCE & EASIER INSPECTION

- Brake location allows for quick access and easy inspection.
- Lifetime grease-lubricated Gear Box means no oil change is required.
- Clutch located outside the Gear Box allows for easy access which eliminates the need for complete disassembly and reduces downtime.

##### IMPROVED SERVICEABILITY

Easy access to the Clutch, Motor, Electrical Control Panel and Brake Assembly.

##### LONGER SERVICE LIFE

- Heavy-duty DC brake is designed for a long service life.
- Lifetime grease-lubricated Gear Box and helical gearing ensures better wear and smooth operation. Heavy-duty rated motors.

##### IMPROVED LOAD SAFETY

Clutch is located outside the load path preventing slipping of the load in an overload condition when the brake is not powered.

##### IMPROVED CHAIN LIFE

5-Pocket Lift Wheel provides better chain and lift wheel engagement for smoother lifting and reduced vibration equating to less wear and a longer chain life. Zinc plating protects chain from environmental conditions.

##### EASY ACCESS CONTROL PANEL

Finger-safe wiring and plug-and-play connectors on the Control Panel allow for quick voltage change, easy access to terminal strips and simple fuse installation.

##### ZINC PLATED LOAD CHAIN

Designed and manufactured in the USA by Columbus McKinnon. 10 millimeter, zinc plated Star Grade load chain protects against corrosion.

##### ADJUSTABLE LIMIT SWITCH

Easy-to-adjust screw limit switch automatically stops the hook at any predetermined point when either lifting or lowering, preventing overtravel.

##### OVERLOAD PROTECTOR

Helps prevent lifting of dangerous overloads.

##### METRIC RATED

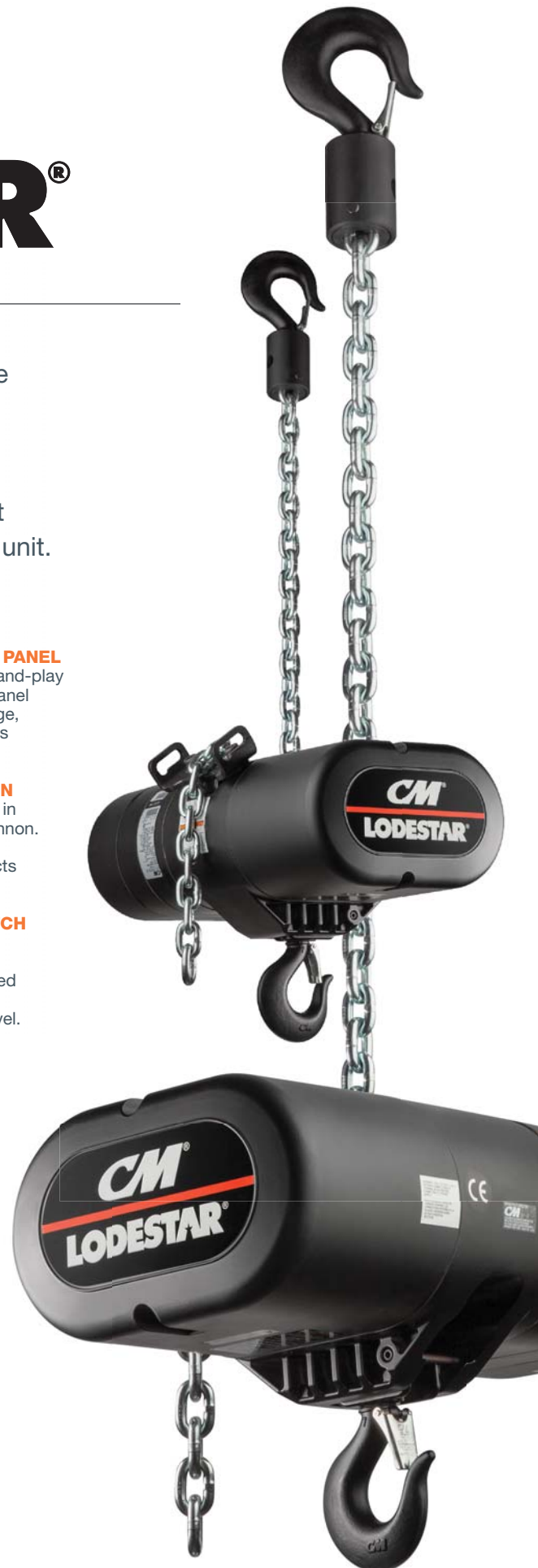
##### LIFETIME WARRANTY

The industry's best warranty against manufacturing and material defects.

##### STANDARD ROTATABLE LIMIT SWITCH

Designed for quick reset of limit position.

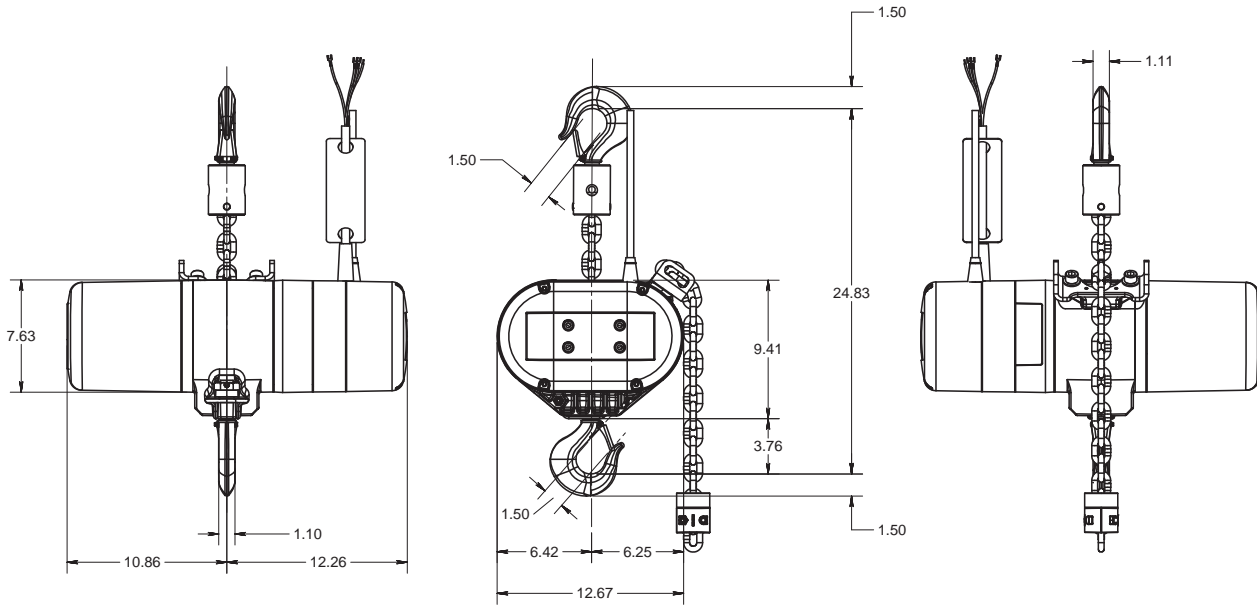
##### SWIVEL OR RIGID HOOK SUSPENSION AVAILABLE





# LODESTAR<sup>®</sup>

## ELECTRIC CHAIN MOTOR



Dimensions (in inches) are RRS model CM-ET Lodestar 2 Ton Single Reeved with Swivel Latch Type Hook Suspension.

### OPTIONAL FEATURES

#### DIRECT CONTROL

Direct Control allows multiple motor units to be operated with a single control.

#### D8+

Meets all Standard VPLT SR 2.0/SQP2 requirements.

#### BGV-C1

Meets all standard C1 and DIN 56950 requirements.

#### VARIABLE SPEED DRIVE (VFD)

#### DOUBLE DC BRAKE

Two independent acting DC Brakes for redundant braking. Field installation kit available.

#### PRIMARY & SECONDARY TRANSFORMER FUSING



USA: 800.888.0985 • 716.689.5400 • Fax: 716.689.5644  
CDN: 877.264.6478 • Fax: 877.264.6477  
[www.cm-et.com](http://www.cm-et.com)

# LODESTAR D8+

**CAPACITIES**  
70 to 1500 KG

**LIFT**  
60 feet standard

**SPEEDS**  
5 to 64 feet/minute

**VOLTAGES**  
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.

## KEY FEATURES

### 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. 50% Duty Cycle or 300 on/off per hour.

**10:1 MECHANICAL DESIGN FACTOR**

## STANDARD FEATURES

**OVERLOAD PROTECTION**  
Rated operational range between 125 and 150/160%. Clutch is outside the load path when disconnected from power.

**DURABLE & LIGHTWEIGHT HOUSING**  
Cast aluminum. Black powder coated finish for low visibility.

### 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**  
Meets German Code of Practice VPLT SR2.0

## OPTIONAL FEATURES

**CHAIN BAG**  
Easy-to-Mount Cloth Type Bags.

**CHAIN STOP**  
Mounted on load chain to prevent overtravel. Standard on Direct Control.



## SPECIFICATIONS D8+

| MODEL | RATED LOAD (KG) | LIFTING SPEED (FPM) | MOTOR HP | OPERATING VOLTAGE | FULL LOAD AMPS | WORK RATING HMI | FEM | REEVING | PROTECTION CLASS | NOISE LEVEL | LIFT (FEET) |
|-------|-----------------|---------------------|----------|-------------------|----------------|-----------------|-----|---------|------------------|-------------|-------------|
| B     | 125             | 16                  | 1/4      | 230/460-3-60      | 1.8/1.1        | H4              | 2M+ | 1       | IP54             | 68 dB       | 60          |
| C     | 125             | 32                  | 1/2      | 230/460-3-60      | 2.2/1.3        | H4              | 2M+ | 1       | IP54             | 68 dB       | 60          |
| F     | 250             | 16                  | 1/2      | 230/460-3-60      | 2.2/1.3        | H4              | 2M+ | 1       | IP54             | 68 dB       | 60          |
| J     | 250             | 32                  | 1        | 230/460-3-60      | 3.7/2.2        | H4              | 2M+ | 1       | IP54             | 68 dB       | 60          |
| JJ    | 500             | 64                  | 2        | 230/460-3-60      | 7.9/5.0        | H4              | 2M+ | 1       | IP54             | 68 dB       | 60          |
| L     | 650             | 16                  | 1        | 230/460-3-60      | 3.7/2.2        | H4              | 2M+ | 1       | IP54             | 68 dB       | 60          |
| LL    | 500             | 32                  | 2        | 230/460-3-60      | 7.9/5.0        | H4              | 2M+ | 1       | IP54             | 68 dB       | 60          |
| R     | 1300            | 8                   | 1        | 230/460-3-60      | 3.7/2.2        | H4              | 2M+ | 2       | IP54             | 68 dB       | 60          |
| RR    | 1000            | 16                  | 2        | 230/460-3-60      | 7.9/5.0        | H4              | 2M+ | 2       | IP54             | 68 dB       | 60          |
| RT    | 1500            | 5                   | 1        | 230/460-3-60      | 3.7/2.2        | H4              | 2M+ | 3       | IP54             | 68 dB       | 60          |

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

See dimensions for Lodestar D8+ on Page 4



# BGV-C1 SERIES

**CAPACITIES**  
250 to 1300 KG

**LIFT**  
60 feet standard

**SPEEDS**  
16 to 100 feet/minute

**VOLTAGES**  
3-phase available

The Lodestar BGV-C1 Series meets the BGV-C1 German regulation for entertainment rigging. Available with fixed or variable speed, the Lodestar BGV-C1 can be adapted to reach a System Integrity Level 3 (SIL3)\*.

## KEY FEATURES

### 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. 50% Duty Cycle or 300 on/off per hour.

#### 10:1 MECHANICAL DESIGN FACTOR

#### UNDERLOAD PROTECTION

With load cell installed.

#### MODULAR MULTI-PIN CONNECTOR

With multi-wire shielded cable.

#### 4 POSITION LIMIT SWITCH

With active spring micro-switch.

#### BUILT-IN PLC

For safety function monitoring, Brake and Limit Switch integrity, Load Cell reading, Overload and Underload settings.

## STANDARD FEATURES

### OVERLOAD PROTECTION

Rated operational range between 125 and 150/160%. Clutch is outside the load path when disconnected from power.

### DURABLE & LIGHTWEIGHT HOUSING

Cast aluminum. Black powder coated finish for low visibility.

### 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

Meets German Regulation BGV-C1.

## OPTIONAL FEATURES

### CHAIN BAG

Easy-to-Mount Cloth Type Bags.

### CHAIN STOP

Mounted on load chain to prevent overtravel.

### LOAD CELL

Built in on the suspension hook.

\* SIL3 requires a BGV-C1 SIL3 certified controller not included.



## SPECIFICATIONS BGV-C1

| MODEL    | RATED LOAD (KG) | LIFTING SPEED (FPM) | MOTOR HP | OPERATING VOLTAGE | FULL LOAD AMPS | REEVING | PROTECTION CLASS | NOISE LEVEL | LIFT (FEET) |
|----------|-----------------|---------------------|----------|-------------------|----------------|---------|------------------|-------------|-------------|
| F        | 250             | 16                  | 1/2      | 230/460-3-60      | 2.2/1.3        | 1       | IP54             | 68 dB       | 60          |
| J        | 250             | 32                  | 1        | 230/460-3-60      | 3.7/2.2        | 1       | IP54             | 68 dB       | 60          |
| JJ       | 500             | 64                  | 2        | 230/460-3-60      | 7.9/5.0        | 1       | IP54             | 68 dB       | 60          |
| L        | 650             | 16                  | 1        | 230/460-3-60      | 3.7/2.2        | 1       | IP54             | 68 dB       | 60          |
| LL       | 500             | 32                  | 2        | 230/460-3-60      | 7.9/5.0        | 1       | IP54             | 68 dB       | 60          |
| RR       | 1000            | 16                  | 2        | 230/460-3-60      | 7.9/5.0        | 2       | IP54             | 68 dB       | 60          |
| VARISTAR | 500             | 100                 | 3 1/2    | 230/460-3-60      | 10.4/6.2       | 1       | IP54             | 68 dB       | 60          |

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

See dimensions for BGV-C1 on Page 4

# SHOWPRO

## CAPACITIES

1/2, 1 & 2 Tonne  
500, 1000 & 2000 Kgs.

## LIFT

66 feet  
20 meters

## SPEEDS

16 feet/minute at 60Hz  
4.1 meters/minute at 50Hz

The ShowPro electric chain hoist is designed to meet all basic entertainment rigging needs. Low Voltage Control and Direct Control available. Direct Control hoists offer an optional control cable fitted with IEC style connectors, 4-way hoist controller and chain bag for a complete plug and play system.

## KEY FEATURES

### VERSATILE

Operates on a wide range of 3-phase voltages.

### LIGHTWEIGHT

Aluminum housing.

### EFFICIENT

Engineered for smooth, quiet operation; featuring a 5-pocket lift wheel.

### RELIABLE

Overload clutch protects hoist, operator, structure from damaging overloads.

### LIFETIME WARRANTY

Against defective materials and workmanship.



## SPECIFICATIONS SHOWPRO

| MODEL  | CAPACITY (TONNE) | NUMBER OF CHAINS | LIFT (FEET) | LIFTING SPEED (FPM) | MOTOR H.P. | MOTOR VOLTAGE/ PHASE/ HERTZ | AMPS | MOTOR VOLTAGE/ PHASE/ HERTZ | AMPS | APX. SHIP WT. W/ 66 FT. LIFT (LBS) |
|--------|------------------|------------------|-------------|---------------------|------------|-----------------------------|------|-----------------------------|------|------------------------------------|
| SP1003 | 1/2              | 1                | 66          | 16                  | 1/2        | 230/3/60                    | 2    | 460/3/60                    | 1    | 119                                |
| SP2003 | 1                | 1                | 66          | 16                  | 1          | 230/3/60                    | 3.2  | 460/3/60                    | 1.6  | 126                                |
| SP4003 | 2                | 2                | 66          | 8                   | 1          | 230/3/60                    | 3.2  | 460/3/60                    | 1.6  | 186                                |

Standard operational 3-phase voltages — 208, 230, 380, 415, 460 @ 50 or 60 Hertz

## DIMENSIONS

| MODEL  | CAPACITY |       | CHAIN SIZE |      | HOUSING DIMENSIONS (IN.) |         |        |
|--------|----------|-------|------------|------|--------------------------|---------|--------|
|        | (TONNE)  | (KG.) | (IN.)      | (mm) | H                        | W       | L      |
| SP1003 | 1/2      | 500   | 9/32       | 7.1  | 8 11/16                  | 8 11/16 | 24 3/8 |
| SP2003 | 1        | 1000  | 9/32       | 7.1  | 8 11/16                  | 8 11/16 | 24 3/8 |
| SP4003 | 2        | 2000  | 9/32       | 7.1  | 8 11/16                  | 8 11/16 | 24 3/8 |

# PROSTAR

**CAPACITIES**  
300 to 1000 LBS

**LIFT**  
60 feet standard

**SPEEDS**  
8 to 40 feet/minute

**VOLTAGES**  
Single & 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.

## KEY FEATURES

### DC ELECTRO-MECHANICAL DOUBLE BRAKES

Non-adjusting for low maintenance and quite 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.

## STANDARD FEATURES

### 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

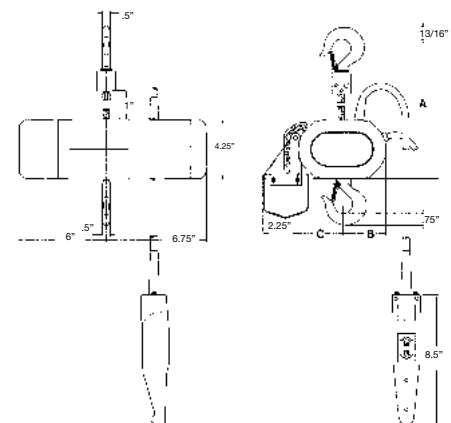


## SPECIFICATIONS PROSTAR

| CAPACITY | NUMBER OF CHAINS | MOTOR (HP) | LIFT SPEED (FPM) | WT. LESS LESS CHAIN (LBS) | WEIGHT 1FT OF CHAIN (LBS) | FULL LOAD AMPS |            |
|----------|------------------|------------|------------------|---------------------------|---------------------------|----------------|------------|
|          |                  |            |                  |                           |                           | 1-PHASE        | 3-PHASE    |
| 300      | 1                | 1/6        | 16               | 28                        | .35                       | 3.6            | .6" / 1.2" |
| 300      | 1                | 1/6        | 16               | 28                        | .35                       |                | .6" / 1.1" |
| 500      | 1                | 1/6        | 16               | 28                        | .35                       |                | .7" / 1.2" |
| 500      | 1                | 1/6        | 12               | 28                        | .35                       | 4              | -          |
| 600      | 2                | 1/6        | 8                | 36                        | .7                        | 3.6            | .6" / 1.1" |
| 600      | 2                | 1/6        | 8                | 36                        | .7                        | 3.6            | .6" / 1.1" |
| 1000     | 2                | 1/6        | 8                | 36                        | .7                        |                | .7" / 1.2" |

\*415 Volt operation    †220 Volt operation

| MODELS (LBS) | LIFT SPEED (FPM) | OPERATING VOLTAGE |             |             |             |
|--------------|------------------|-------------------|-------------|-------------|-------------|
|              |                  | SINGLE PHASE      |             | THREE PHASE |             |
| 300          | 16               | 115-1-50/60       | 220-1-50/60 | 220-3-50/60 | 415-3-50/60 |
| 300          | 24               | -                 | -           | 220-3-50/60 | 415-3-50/60 |
| 300          | 40               | -                 | -           | 220-3-50/60 | 415-3-50/60 |
| 500          | 12               | 115-1-50/60       | 220-1-50/60 | -           | -           |
| 500          | 16               | -                 | -           | 220-3-50/60 | 415-3-50/60 |
| 500          | 20               | -                 | -           | 220-3-50/60 | 415-3-50/60 |
| 600          | 8                | 115-1-50/60       | 220-1-50/60 | -           | -           |
| 600          | 12               | -                 | -           | 220-3-50/60 | 415-3-50/60 |
| 1000         | 6                | 115-1-50/60       | 220-1-50/60 | -           | -           |
| 1000         | 8                | -                 | -           | 220-3-50/60 | 415-3-50/60 |
| 1000         | 12               | -                 | -           | 220-3-50/60 | 415-3-50/60 |



## DIMENSIONS

| DRAWING LEGEND | REEVING  |         |
|----------------|----------|---------|
|                | SINGLE   | DOUBLE  |
| A              | 11"      | 12 1/8" |
| B              | 2 15/16" | 3 1/2"  |
| C              | 2 7/8"   | 2 3/8"  |