



# EX3

TECHNOLOGY

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SAFE • PRECISE • CERTIFIED

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**EXE**

**ACE**



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

While **EXE Ace** hoists comply with D8 requirements, 5-to-1 safety factor with a single brake, though a secondary brake can be added for **EXE Ace** factory orders.

**EXE Ace** hoists can be configured for your country's available 3-phase power supply and for either direct, or low-voltage control. These hoists can be paired with your preferred control system, and can have electrical connectors installed to your specification.

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CHAIN HOIST  
**CHAIN HOIST**  
CHAIN HOIST



# CHAIN HOIST

## FEATURES



### MOTOR UP OR MOTOR DOWN

EXE chain hoists can be used motor up (standard suspension) or motor down (self-climbing) without any adjustments. Swiveling chain and suspension hooks reduce the risk of chain twist and optimizes positioning.



### BODY

The hoist body is machined from cast aluminium to be light yet strong. 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 motor down without adjustment. The design ensures the bag is positioned correctly to smoothly feed chain, reducing the chance of chain spills.



### EXTERNAL CHAIN GUIDE

This sacrificial plate helps protect both the chain and internal chain guides. It is made from a special PVC to minimize the chance of chain jamming in the event twisting. 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 is available in either zinc galvanized or black phosphated finish.



### DOUBLE BRAKE & SINGLE BRAKE

**Double Brake:** EXE Rise are supplied with double brake 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 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

The clutch is located outside the load path, between the motor shaft in front of the gearing and brake assembly. The brakes will hold the load in the unlikely event of a clutch failure.



### GEAR BOX

The gear box is manufactured with a thicker aluminum wall, compared to the rest of the body, to meet the heavy-duty mechanical demands.



### BEARING GREASE

Bearing grease is used in the gearboxes of medium and large frame hoists and oil is used in the extra large frame gearbox. They are high load lubricants designed for protection of plain bearings and sliding gear surfaces in extreme environments, particularly under heavily loaded conditions.

# CHAIN HOIST FEATURES



## HANDLES

EXE chain hoists feature handles that rotate in both directions, enabling easy manipulation of the hoist in any orientation.



## LOAD WHEEL

All EXE 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







At just 67.5 dB the EXE chain hoist lets you handle the quietest jobs with ease.



## HERTZ / VOLT

EXE chain hoists for the North American market have motor stators wound for 208VAC-3PH-60Hz. On request, any model can be provided with European power and control supply 230/400VAC-3PH-50Hz or other configurations to suit your needs.

## Overview

|                |                     | MEDIUM FRAME COMPACT  | MEDIUM FRAME  |
|----------------|---------------------|---|---|
|                |                     | 500kg   | 1000kg  |
| DIRECT CONTROL | LOW VOLTAGE CONTROL |    |    |
|                |                     |   |   |
| 2 FALL         | DC / LVC            |  |  |
|                |                     | 2x WLL  |   |

**EXE**  
**ACE**

▲ **D8 500kg**

**MEDIUM FRAME COMPACT**



### GENERAL FEATURES

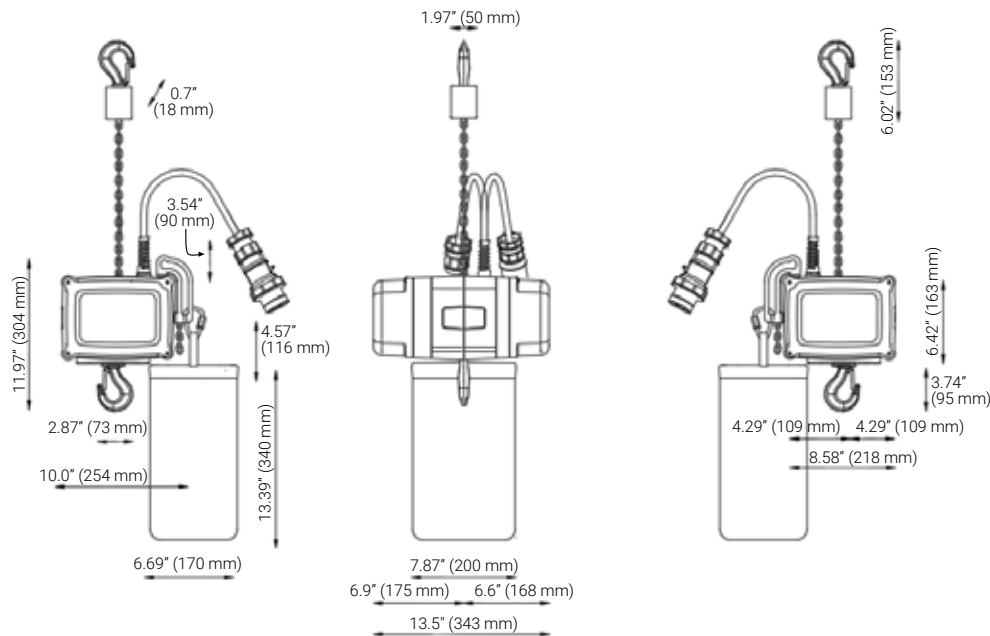
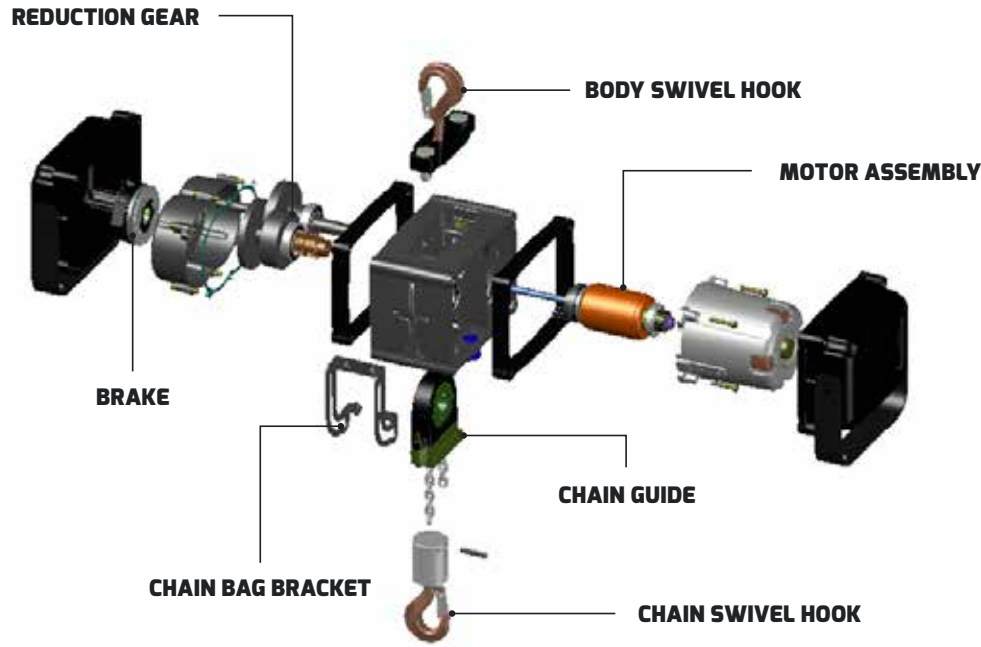
|   |   |
|---|---|
| MODEL                                   | EXE Ace chain hoist D8 500 kg DC / LVC  |
| TYPE OF CONTROL                         | Low Voltage   |
| FEM CLASS                               | 1Bm   |
| DUTY FACTOR                             | 25%   |
| START PER HOUR                          | 150   |
| BEARING TIME / 10 YEARS                 | 1600 h  |
| FALLS OF CHAIN                          | 1   |
| TYPE OF CHAIN                           | DIN EN 818-7 - type DAT steel 80 grade<br>Zinc galvanized or black phosphated |
| SIZE OF CHAIN                           | 5x15 mm / Approx. 0.2 x 0.6 in.   |
| CHAIN SELF-WEIGHT                       | 0.54 kg/m / 0.36 lb/ft.   |
| SAFETY FACTOR                           | 5:1   |
| IP RATING                               | 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 LENGTH                 | 30 in. standard (other lengths<br>upon request)                               |

**The EXE Ace D8 500kg Medium Frame Compact chain hoist** is incredibly practical and versatile: able to be used motor up or motor down and can be equipped with either swivel or fixed hooks. The clutch is located outside of the load path, between the motor shaft and the gearing and brakes.



# EXE ACE D8 500kg

MEDIUM FRAME COMPACT



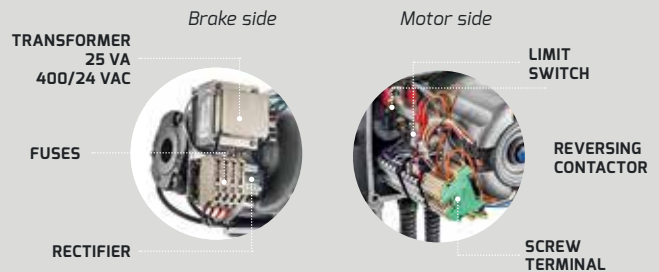
DC model has one cable and brake side ring absent

## DIRECT CONTROL

|                            |  |
|----------------------------|--|
| WORKING LOAD LIMIT         | 500 kg / 1/2 Tonne / 1102 lbs.   |
| FREQUENCY                  | 50 Hz / 60 Hz  |
| LIFTING SPEED              | 4 m/min @ 50Hz / 16 ft./min @ 60 Hz  |
| MOTOR POWER                | 0.5 kW / 0.67 HP   |
| POWER SUPPLY Δ             | 208 VAC - 3 - 60 Hz  |
| RATED CURRENT              | Δ 2.94 A @ 208 VAC   |
| ELECTRICAL CONNECTORS      | Per customer specification   |
| MOTOR RPM                  | 1680 @ 60 Hz   |
| NUMBER OF BRAKES           | 1 (double-braked units available upon request)                             |
| DC BRAKE OPERATING VOLTAGE | 103 VDC  |
| DC BRAKE RATED TORQUE      | 4 Nm / 35.4 in.-lb.  |
| DC BRAKE NORMAL AIR        | 0.2 mm - 0.3 mm / 0.008-0.011 in.  |
| LIMIT SWITCH               | 2 Position adjustable internal, 25 m/82 ft. travel without extended limit. |
| ENCODER                    | Incremental or absolute upon request                                       |
| HOIST SELF-WEIGHT          | 23 kg / 50 lbs.  |

## LOW VOLTAGE CONTROL

|                   |                            |
|-------------------|----------------------------|
| CONTROL CONNECTOR | Per customer specification |
|-------------------|----------------------------|



FOR OTHER OPERATING VOLTAGES & FREQUENCIES CONTACT  
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**EX3**  
**ACE**

▲ D8 D8 **1000kg**

**MEDIUM FRAME**



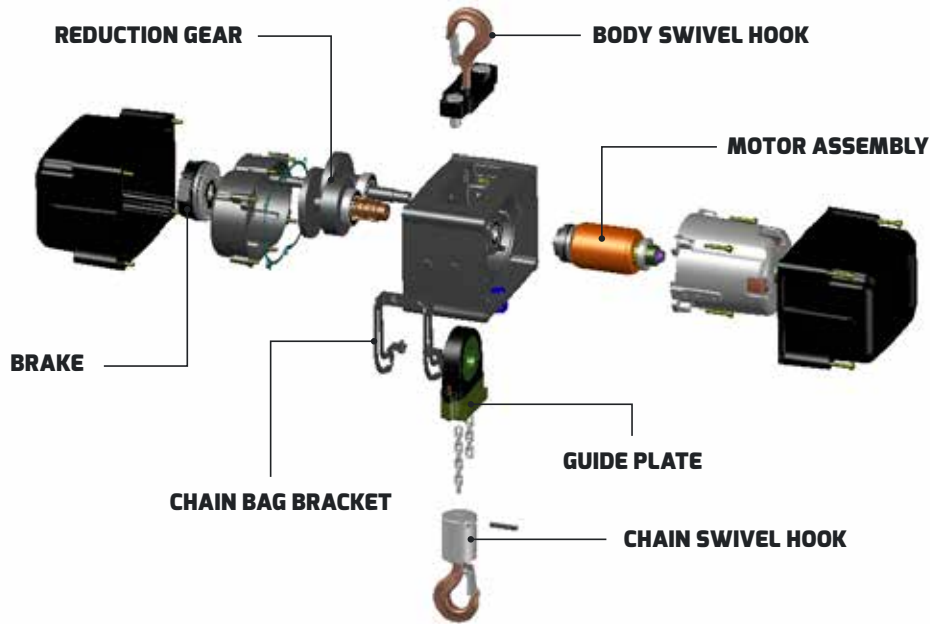
### GENERAL FEATURES

|   |  |
|---|--|
| MODEL                                   | EXE ACE Chain Hoist D8 1000 kg LVC   |
| TYPE OF CONTROL                         | 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<br>Zinc galvanized or black phosphate |
| SIZE OF CHAIN                           | 6.3x19 mm / approx. 0.25x0.75 in.  |
| CHAIN SELF-WEIGHT                       | 0.86 kg/m / 0.58 lb/ft.  |
| SAFETY FACTOR                           | 5:1  |
| IP RATING                               | 55   |
| INSULATION CLASS<br>(TEMPERATURE CLASS) | F according to CEI 15-26   |
| LOAD WHEEL                              | 5 pockets  |
| NOISE LEVEL                             | 67.5 dB @ full load  |
| CABLE LENGTH                            | 30 in. standard (other lengths<br>upon request)                              |

The **EXE Ace D8 1000kg Medium Frame chain hoist** is extremely compact 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 “Motor Up” or “Motor Down” orientations, which, 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

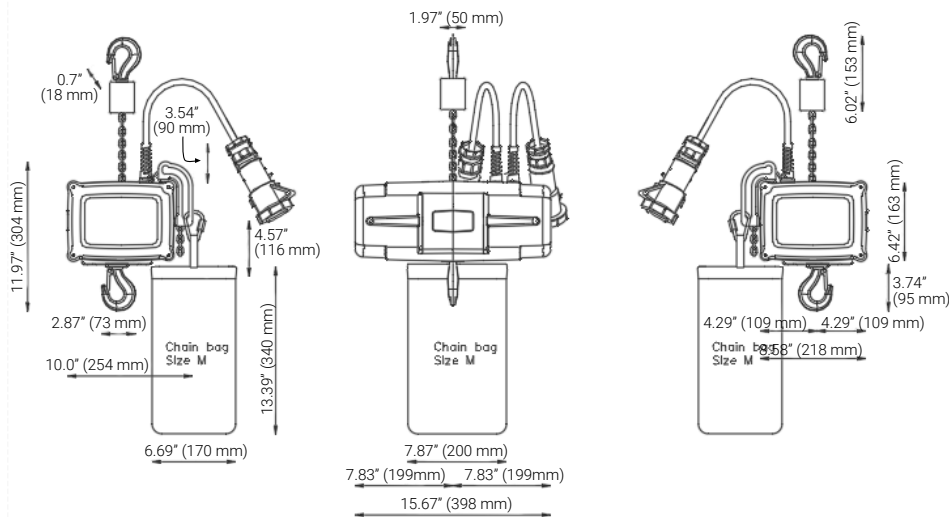


## DIRECT CONTROL

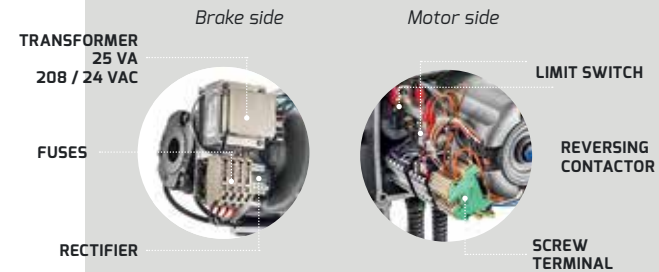
|                            |   |
|----------------------------|---|
| WORKING LOAD LIMIT         | 1000 kg / 1 Tonne / 2204 lbs.   |
| FREQUENCY                  | 50 Hz / 60 Hz   |
| LIFTING SPEED              | 4 m/min @ 50 Hz / 16 ft/min @ 60 Hz   |
| MOTOR POWER                | 1.0 kW / 1.34 HP  |
| OPERATING VOLTAGE Δ/Y      | 208 VAC - 3 - 60 Hz   |
| 3PH CURRENT                | Δ 4.62 A @ 208 VAC  |
| ELECTRICAL CONNECTORS      | Per customer specification  |
| REVOLUTIONS PER MINUTE     | 1680 @ 60 Hz  |
| NUMBER OF BRAKES           | 1 (Units available upon request)  |
| DC BRAKE OPERATING VOLTAGE | 103 VDC   |
| DC BRAKE RATED TORQUE      | 8 Nm / 70.8 in-Lb.  |
| DC BRAKE GAP (SL)          | 0.2 mm - 0.3 mm / 0.008 - 0.011 in  |
| LIMIT SWITCH               | 2 position adjustable internal, 30 m / 98 ft. travel without extended limit |
| ENCODER                    | On request  |
| HOIST SELF-WEIGHT          | 25 kg / 55 lbs.   |

## LOW VOLTAGE CONTROL

|                   |                            |
|-------------------|----------------------------|
| CONTROL CONNECTOR | Per customer specification |
|-------------------|----------------------------|



DC model has one cable



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