

2020 EDITION

# EX3

TECHNOLOGY

SAFE · PRECISE · CERTIFIED



CHAIN HOIST

CHAIN HOIST  
VARIABLE SPEED

CONTROLLERS

LOAD CELL

DYNAMIC  
STACK TRACK



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.

FOLLOW US ON:



## EXE RISE

01

CHAIN HOISTS  
FIXED SPEED

250kg/551 lbs SMALL FRAME .....	12
500kg/1102lbs MEDIUM FRAME .....	14
1000kg/2205lbs LARGE FRAME .....	16
2000kg/4409lbs 2 REEVES - LARGE FRAME .....	18
2000kg/4409lbs 1 REEVE - EXTRA LARGE FRAME.....	20
198kg SMALL FRAME .....	23
SINGLE PHASE 250kg/551 lbs.....	24
SINGLE PHASE INVERTER 500kg/1102lbs .....	27

## EXE VARIO

02

CHAIN HOIST  
VARIABLE SPEED

500kg/1102 lbs .....	30
1000kg/2205 lbs .....	31

### ACCESSORIES

FLIGHT CASE .....	32
CHAIN BAG .....	34
ENCODER .....	34
SELF LOCKING SWIVEL HOOKS .....	34
CHAIN SLIDER.....	34
RAIN COVER BODY HOOK POSITION.....	36
RAIN COVER CLIMBING POSITION.....	36

## EXE DRIVE

03

CONTROLLERS

DH1 - DH2 .....	40
Xddb4 .....	42
Xddb4-LV .....	43
Xddb8 .....	44
Xddb8-LV .....	45
XDDL4 .....	46
XDDL4-LV .....	47
XDDL6.....	48
XDDL8 .....	50
XDDL8-LV .....	51
XDDL16 .....	52
XDDL16-LV .....	53
XDDL24 .....	54
XDDL24-LV .....	55
XDDW8 .....	56
XDDC4.....	58
XDDC8.....	59
XDDC4-SP .....	60
XDRHG - XDRHGR .....	62
XDRHGC.....	63
XDRH4C.....	64
XDRH8C .....	65
XDRH16C .....	66
XDRH24C .....	67
XDSP2-LV.....	68
XDRH1C-LV .....	68

## EXE CELL

04

LOAD CELL  
INTERFACE

LC-PRO .....	72
LC-NLP .....	76
LC-NLP16 .....	77
FXA .....	80

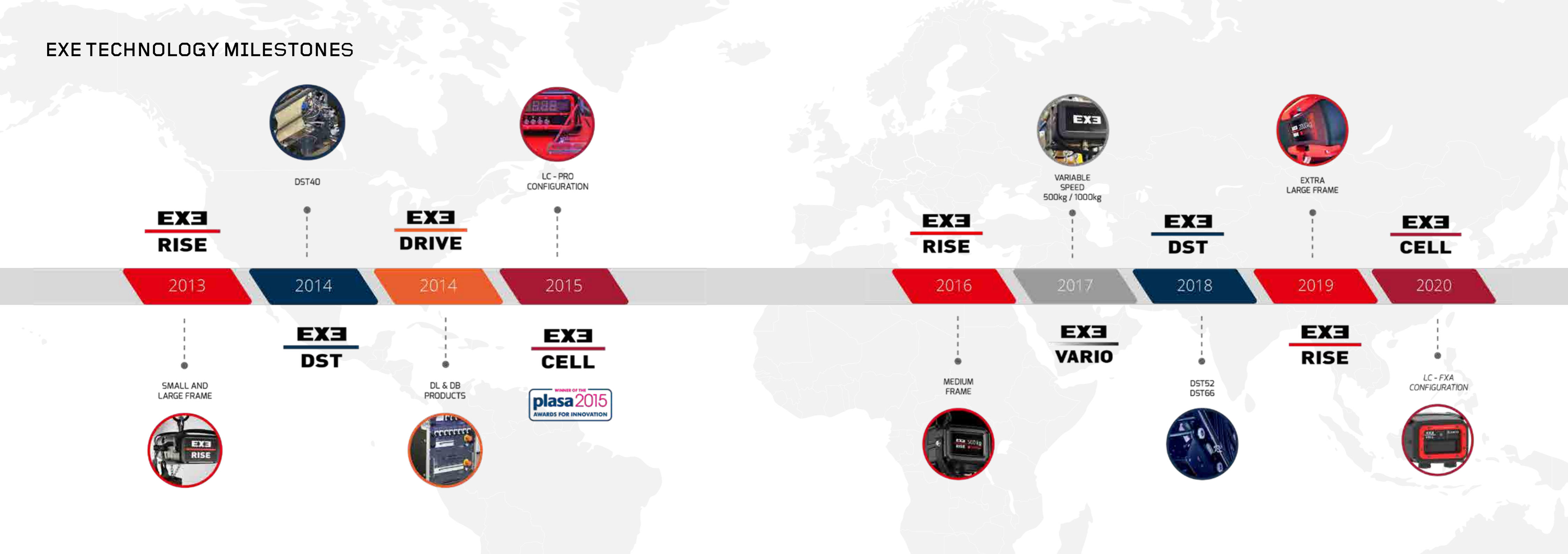
## EXE DST

05

DYNAMIC  
STACK TRACKS

DST 52 .....	85
DST 52 STANDARD TRUSSES.....	86
DST 52 MODULES.....	88
DST 66.....	90
DST 66 TRUSSES AND MODULES .....	91
DST52 CONCEPT .....	93
DST52 EXAMPLE.....	94
CONFIGURATION STANDARD .....	96

# EXE TECHNOLOGY MILESTONES





01

# EXE RISE

## EXE RISE CHAIN HOIST

FIXED SPEED  
+ MADE IN ITALY

Fixed speed 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. An 8:1 safety factor, 5-pocket load wheel, clutch outside the load path, gear box design, and swivel body/chain hooks are just a few of the excellent features highlighted in the following pages.

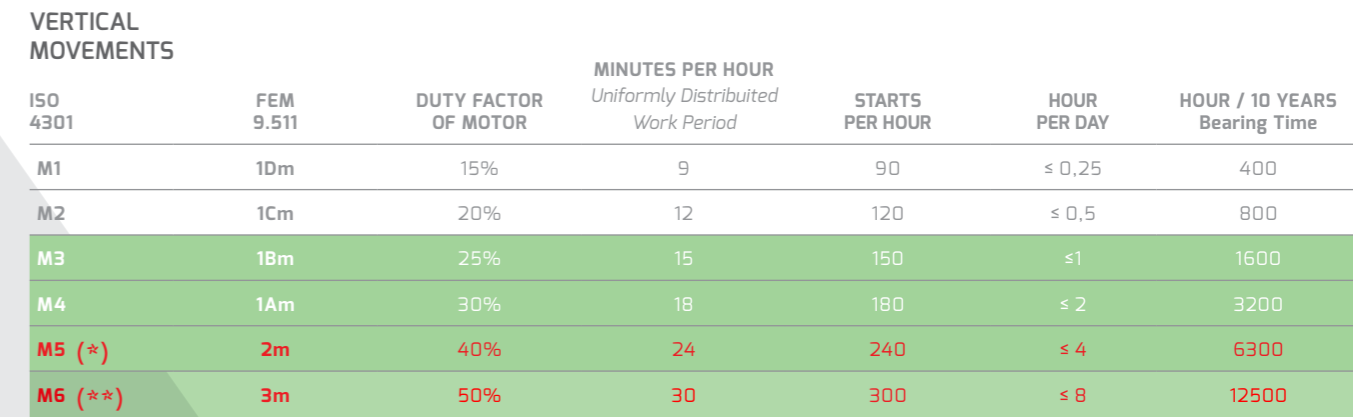
Compatibility with all EXE Drive motor controllers, and the possibility of equipping them with an encoder, limit switch and load cell, allow EXE Rise chain hoists to meet all of our customers' needs.

Available in Direct and Low Voltage Control versions, the EXE Rise range of chain hoists are CE marked in accordance with Machinery Directive 2006/42/EC and comply with all requirements given in the new German Quality Standard SQP2:2018.

## EXE RISE OVERVIEW

FIXED SPEED	DIRECT CONTROL	□ D8+ (SF 8:1)						
	LOW VOLTAGE CONTROL	□ D8+ (SF 8:1)						
	SINGLE PHASE	□ D8+ (SF 8:1)						
				SINGLE PHASE 250Kg	SINGLE PHASE 500Kg INVERTER			

# CHAIN HOIST MECHANISMS CLASSIFICATION



(☆☆) EXTRA LARGE FRAME

9

# FEATURES



**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.



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



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. (Small body hoists use steel guide plate).



**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.

The DC (103 Volts) brakes lock off, in 0.1 of a second and is able to sustain up to 4000 lock/unlock cycles in an hour. This "progressive time lock off" action is less wearing to their inner components than a AC (220 Volts) one.



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

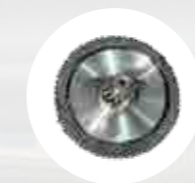


**CLUTCH OUTSIDE THE LOAD PATH** positioned on the motor shaft in front of the motor assembly. With this arrangement, the brakes will hold the load in the unlikely event of a clutch failure.

\* available for models **D8+ 500kg, D8+ 1000kg, D8+ 2000kg.**



**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** is high load molybdenum disulphide plain. It has been designed for the effective lubrication and protection of plain bearings and sliding surfaces used in extreme environments, particularly in heavily loaded, slow moving applications.



**HANDLES.** EXE 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 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.



**VERY LOW OPERATIONAL NOISE**, with just 67.5 dBA the EXE is about 30% more silent than other leading brand. 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.



EXE-Rise hoists are **CE MARKED** in accordance with the requirements of the **MACHINERY DIRECTIVE 2006/42/EC.**

EXE  
RISE

□ D8+ 250 kg

SMALL FRAME

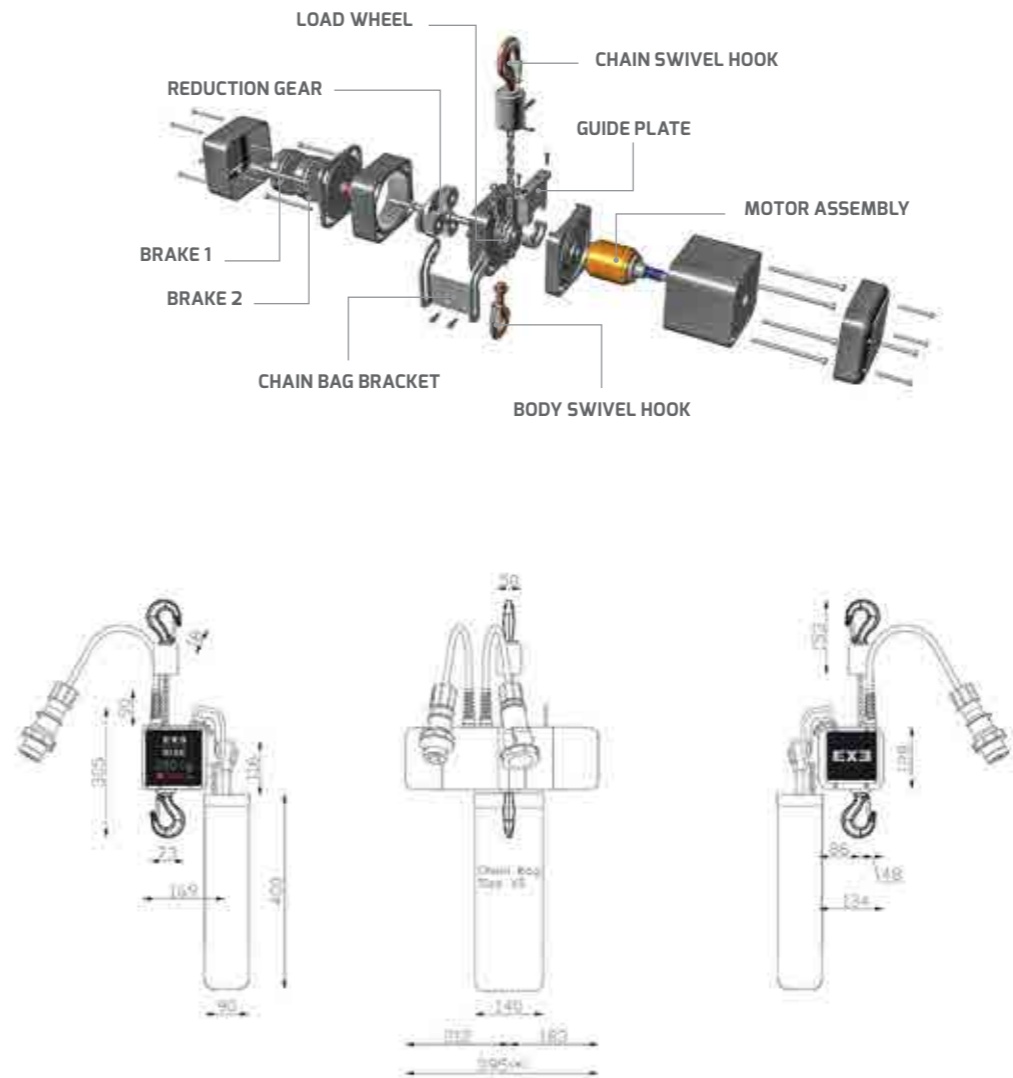
FIXED SPEED

+ A SAFE, RELIABLE AND MADE IN ITALY  
CHAIN HOIST



GENERAL FEATURES

Model	D8+
Type of Control	Direct or Low Voltage
FEM Class	2m
Duty Factor	40%
Start per Hour	240
Bearing Time /10 years	6300 h
Falls of Chain	1
Type of Chain	DIN EN 818-7 - type DAT – Zinc galvanized steel 80 grade
Size of Chain	4x12mm
Chain Self-Weight	0.35 kg/m 0.24 lbs/ft
Safety Factor	8:1
IP Rate	55
Insulation Class (Temperature Class)	F in according to CEI 15-26
Load Wheel	5 pockets
Noise Level	67.5 dB @full load
Connection Cable Length	(75 ± 5) cm (2.6 ± 0.2) ft



The values are reported in **mm**. DC model has only one cable.  
(\*) □ D8+ DC = 365mm / Δ D8 DC = 349mm

EXE Rise Chain Hoist 250kg  
// Small Frame

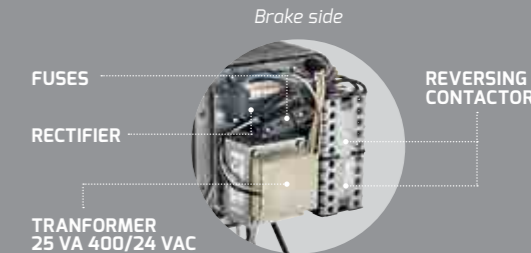
□ D8+ 250kg DIRECT CONTROL

Working Load Limit	250 kg / 551 lbs
Frequency	50 Hz
Lifting Speed	4 m/min / 13 ft/min ± 1%
Motor Power	0.5 kW
Operating Voltage Δ/Y	230/400 VAC - 3 -50 Hz
3 ph Current	Δ 2.70 A - Y 1.56 A
Δ Power Supply Connector (*)	CEE 16A 9h 230VAC – 3PH + G black plug
Y Power Supply Connector	CEE 16A 6h 400VAC – 3PH + G black 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
Self-Weight	17 kg / 37 lbs

(\*) Only on request.  
NOTE: ΔD8 250kg DC model with single brake is available

□ D8+ 250kg LOW VOLTAGE CONTROL

Control Supply Connector	CEE 16A 4h 24VAC – 3PH + G black socket
Limit Switch	Not provided
Encoder	Not provided



208 VAC - 3 - 60 Hz configuration is available.  
Custom configuration are also possible. Please refer to your local  
EXE-Technology representative for all information.

EXE  
RISE

□ D8+ 500kg

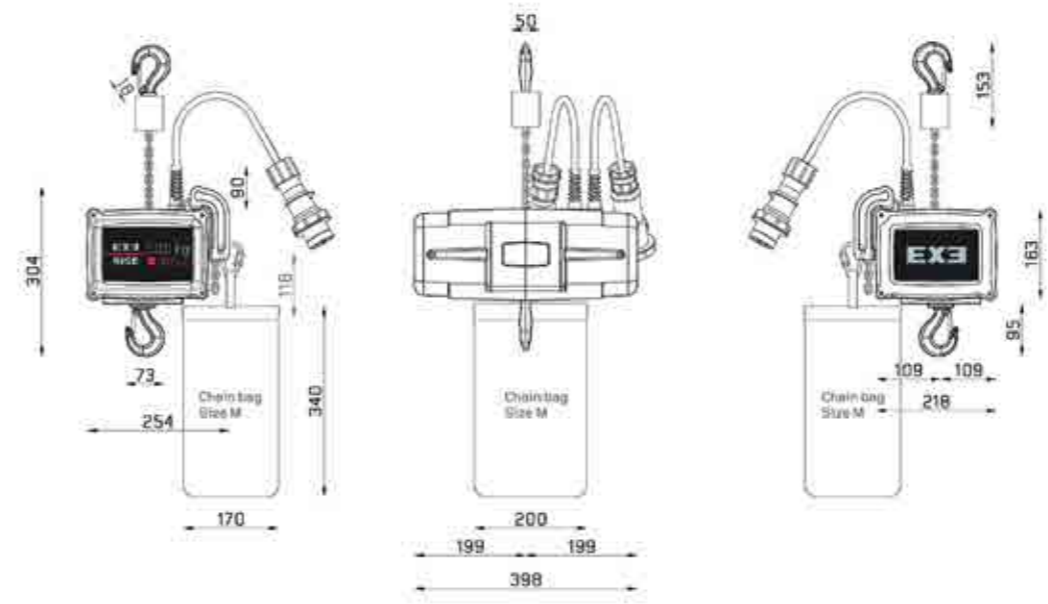
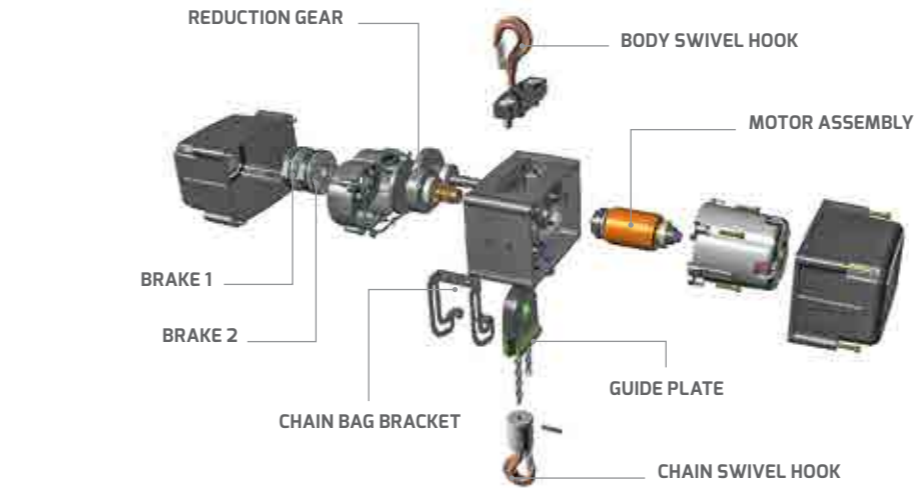
MEDIUM FRAME

FIXED SPEED

+ A SAFE, RELIABLE AND MADE IN ITALY CHAIN HOIST

GENERAL FEATURES

Model	D8+
Type of Control	Direct or Low Voltage
FEM Class	2m
Duty Factor	40%
Start per Hour	240
Bearing Time /10 years	6300 h
Falls of Chain	1
Type of Chain	DIN EN 818-7 - type DAT - Zinc galvanized steel 80 grade
Size of Chain	6x18mm
Chain Self-Weight	0.78 kg/m 0.52 lbs/ft
Safety Factor	8:1
IP Rate	55
Insulation Class (Temperature Class)	F in according to CEI 15-26
Load Wheel	5 pockets
Noise Level	67.5 dB @full load
Connection Cable Length	(75 ± 5) cm (2.6 ± 0.2) ft



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

EXE Rise Chain Hoist 500kg // Medium Frame

The **Medium Frame** EXE RISE 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 Rise Chain Hoist 500kg  
// Medium Frame

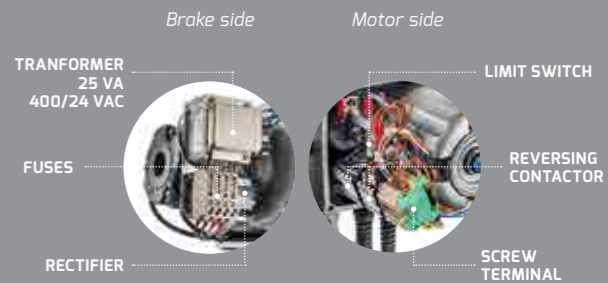
□ D8+ 500kg DIRECT CONTROL

Working Load Limit	500 kg / 1102 lbs
Frequency	50 Hz
Lifting Speed	4 m/min / 13 ft/min ± 1%
Motor Power	0.8 kW
Operating Voltage Δ/Y	230/400 VAC - 3 -50 Hz
3 ph Current	Δ 3.93 A - Y 2.27 A
Δ Power Supply Connector (*)	CEE 16A 9h 230VAC - 3PH + G black plug
Y Power Supply Connector	CEE 16A 6h 400VAC - 3PH + G black 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
Self-Weight	24 kg / 53 lbs

(\*) Only on request.  
NOTE: ΔD8 500kg DC model with single brake is available

□ D8+ 500kg LOW VOLTAGE CONTROL

Control Supply Connector	CEE 16A 4h 24VAC - 3PH + G black socket
Limit Switch	2 position
Encoder	Incremental or Absolute



208 VAC - 3 - 60 Hz configuration is available.  
Custom configuration are also possible. Please refer to your local EXE Technology representative for all information.

EXE  
RISE

D8+ 1000 kg

LARGE FRAME

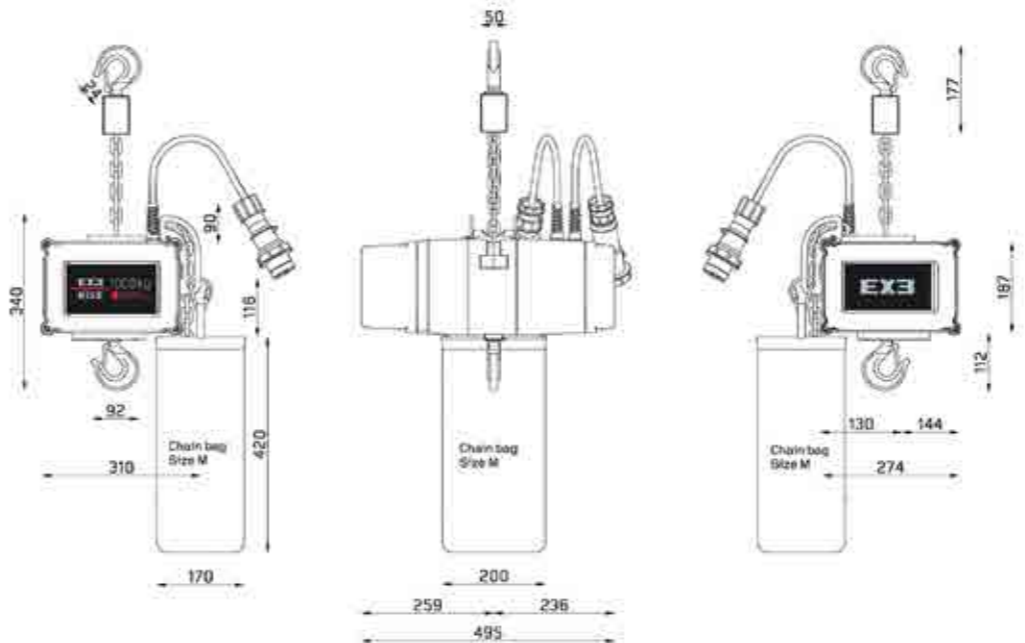
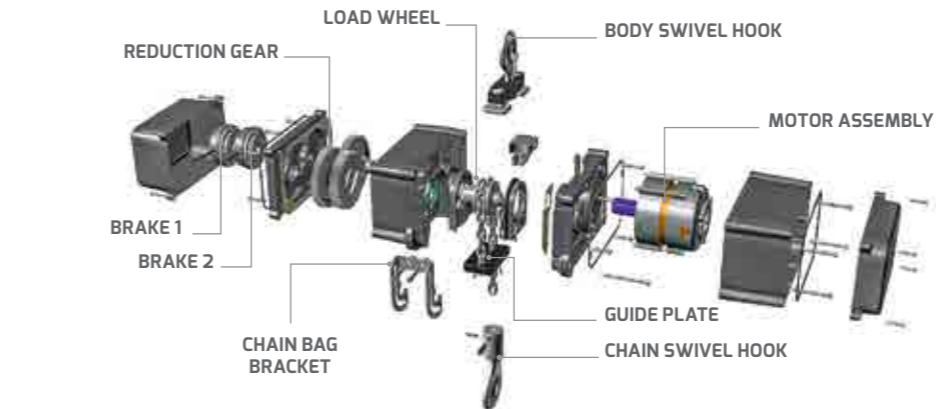


FIXED SPEED

+ A SAFE, RELIABLE AND MADE IN ITALY CHAIN HOIST

GENERAL FEATURES

Model	D8+
Type of Control	Direct or Low Voltage
FEM Class	2m
Duty Factor	40%
Start per Hour	240
Bearing Time /10 years	6300 h
Falls of Chain	1
Type of Chain	DIN EN 818-7 - type DAT – Zinc galvanized steel 80 grade
Size of Chain	8x24mm
Chain Self-Weight	1.39 kg/m 0.93 lbs/ft
Safety Factor	8:1
IP Rate	55
Insulation Class (Temperature Class)	F in according to CEI 15-26
Load Wheel	5 pockets
Noise Level	67.5 dB @full load
Connection Cable Length	(75 ± 5) cm (2.6 ± 0.2) ft



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

EXE Rise Chain Hoist 1000kg // Large Frame

The **Large Frame** EXE RISE Chain Hoist is light, yet as 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 clutch is located on the motor shaft, in front of the motor assembly, which positions it outside of the load path.

EXE Rise Chain Hoist 1000kg  
// Large Frame

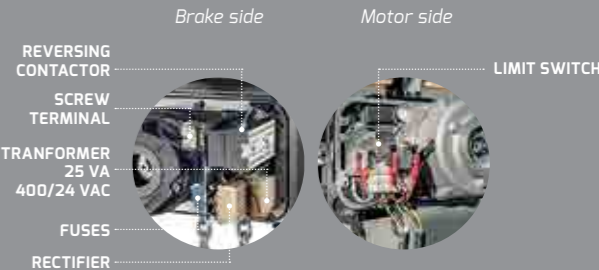
D8+ 1000kg DIRECT CONTROL

Working Load Limit	1000 kg / 2205 lbs
Frequency	50 Hz
Lifting Speed	4 m/min / 13 ft/min ± 1%
Motor Power	1.0 kW
Operating Voltage Δ/Y	230/400 VAC - 3 -50 Hz
3 ph Current	Δ 4.62 A - Y 2.67 A
Δ Power Supply Connector (*)	CEE 16A 9h 230VAC – 3PH + G black plug
Y Power Supply Connector	CEE 16A 6h 400VAC – 3PH + G black 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
Self-Weight	43 kg / 95 lbs

(\*) Only on request.  
NOTE: ΔD8 1000kg DC model with single brake is available

D8+ 1000kg LOW VOLTAGE CONTROL

Control Supply Connector	CEE 16A 4h 24VAC – 3PH + G black socket
Limit Switch	2 position
Encoder	Incremental or Absolute



**208 VAC - 3 - 60 Hz** configuration is available.  
Custom configuration are also possible. Please refer to your local EXE Technology representative for all information.

EXE  
RISE

□ D8+ 2000 kg  
2 REEVES

LARGE FRAME



EXE Rise Chain Hoist 2000kg // Large Frame

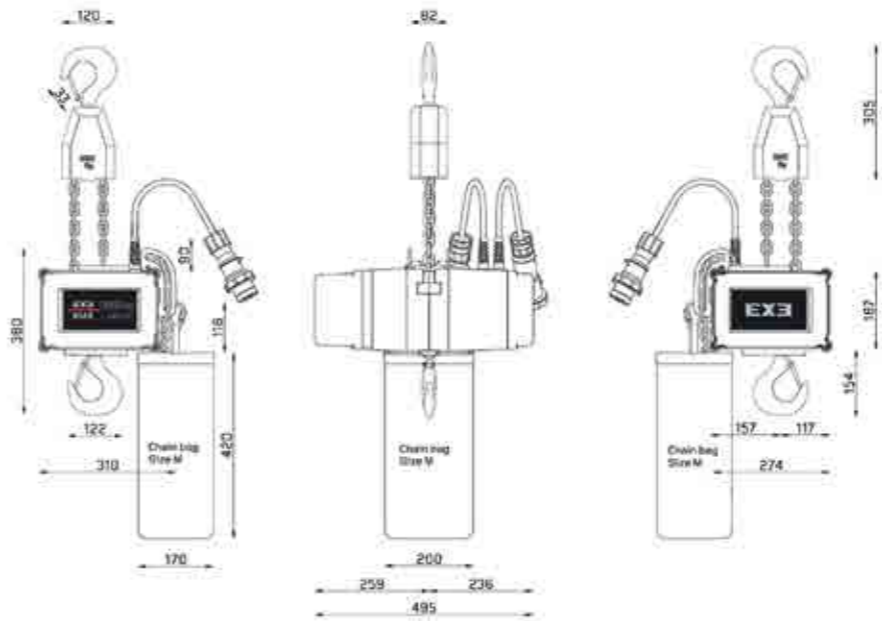
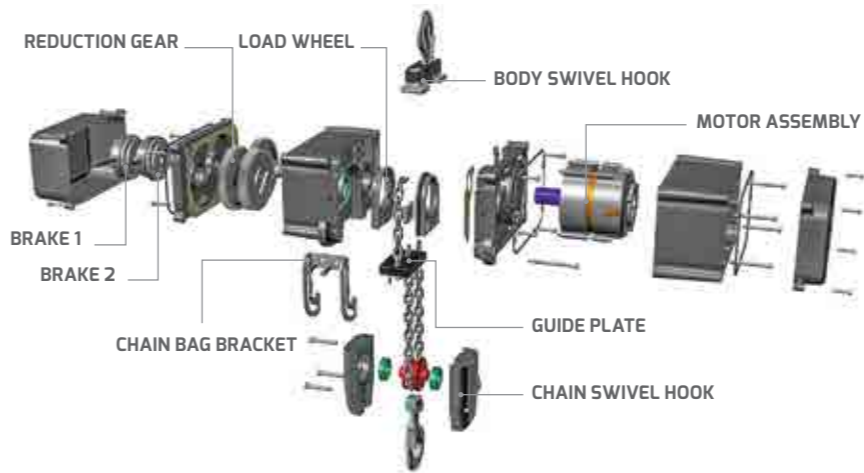
The **Large Frame** EXE RISE Chain Hoist is light, yet as extremely strong, corrosion resistant and no-reflective as possible due to the body made from cast aluminium with matt black finish. Handling and lifting of the chain hoist is facilitated by handles that work in either operational orientation. 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 clutch is located on the motor shaft, in front of the motor assembly, which positions it outside of the load path.

FIXED SPEED

+ A SAFE, RELIABLE AND MADE IN ITALY  
CHAIN HOIST

GENERAL FEATURES

Model	D8+
Type of Control	Direct or Low Voltage
FEM Class	2m
Duty Factor	40%
Start per Hour	240
Bearing Time /10 years	6300 h
Falls of Chain	2
Type of Chain	DIN EN 818-7 - type DAT - Zinc galvanized steel 80 grade
Size of Chain	8x24mm
Chain Self-Weight	1.39 kg/m 0.93 lbs/ft
Safety Factor	8:1
IP Rate	55
Insulation Class (Temperature Class)	F in according to CEI 15-26
Load Wheel	5 pockets
Noise Level	67.5 dB @full load
Connection Cable Length	(75 ± 5) cm (2.6 ± 0.2) ft



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

EXE Rise Chain Hoist 2000kg 2 Reeve  
// Large Frame

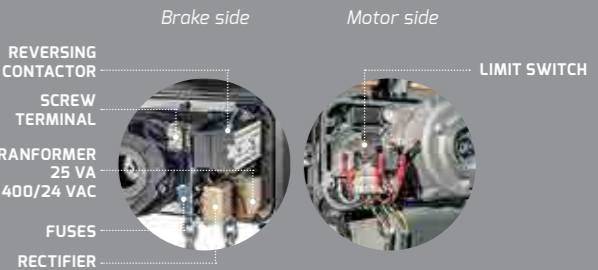
□ D8+ 2000kg DIRECT CONTROL

Working Load Limit	2000 kg / 4409 lbs
Frequency	50 Hz
Lifting Speed	4 m/min / 13 ft/min ± 1%
Motor Power	1.6 kW
Operating Voltage Δ/Y	230/400 VAC - 3 -50 Hz
3 ph Current	Δ 8.37 A - Y 4.83 A
Δ Power Supply Connector (*)	CEE 16A 9h 230VAC - 3PH + G black plug
Y Power Supply Connector	CEE 16A 6h 400VAC - 3PH + G black 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
Self-Weight	45 kg / 99 lbs

(\*) Only on request.

□ D8+ 2000kg LOW VOLTAGE CONTROL

Control Supply Connector	CEE 16A 4h 24VAC - 3PH + G black socket
Limit Switch	2 position
Encoder	Incremental or Absolute



**208 VAC - 3 - 60 Hz** configuration is available.  
Custom configuration are also possible. Please refer to your local EXE Technology representative for all information.

EXE  
RISE

□ D8+ 2000 kg  
1 REEVE

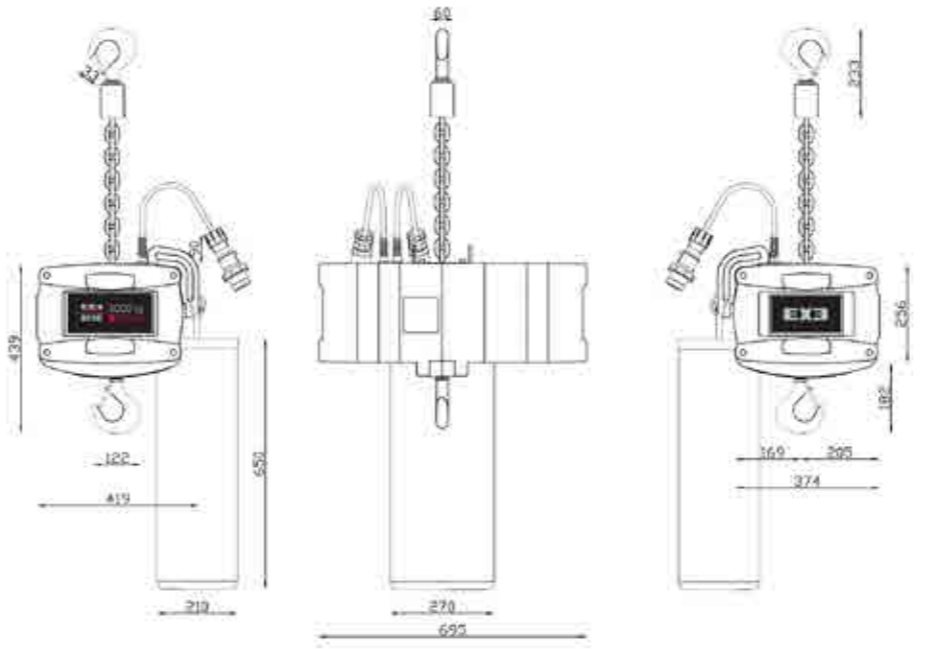
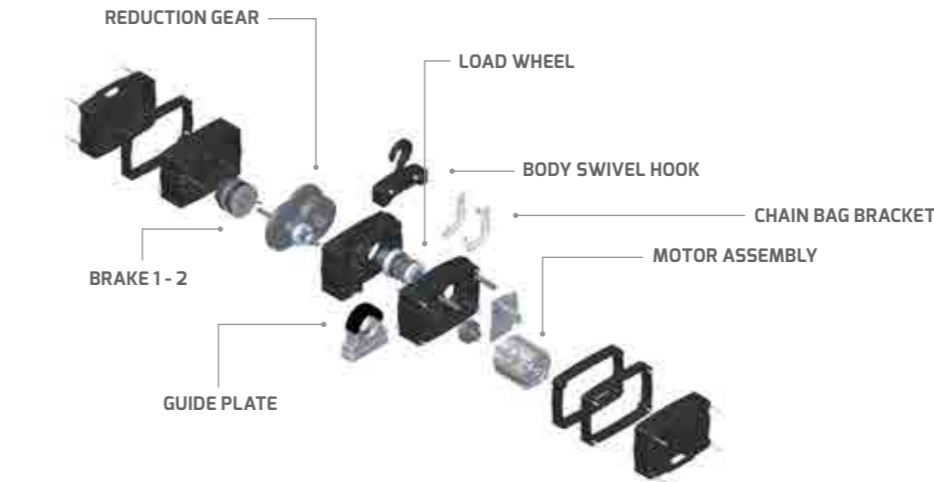
EXTRA LARGE FRAME

FIXED SPEED

+ A SAFE, RELIABLE AND MADE IN ITALY  
CHAIN HOIST

GENERAL FEATURES

Model	D8+
Type of Control	Direct or Low Voltage
FEM Class	3m
Duty Factor	50%
Start per Hour	300
Bearing Time /10 years	12500 h
Falls of Chain	1
Type of Chain	DIN EN 818-7 - type DAT - Zinc galvanized steel 80 grade
Size of Chain	11.3x31 mm
Chain Self-Weight	2.85 kg/m 1.91 lbs/ft
Safety Factor	8:1
IP Rate	55
Insulation Class (Temperature Class)	F in according to CEI 15-26
Load Wheel	5 pockets
Noise Level	67.5 dB @full load
Connection Cable Length	(75 ± 5) cm (2.6 ± 0.2) ft



EXE Rise Chain Hoist 1 Reeve 2000kg // Extra Large Frame

The **Extra Large Frame** Chain Hoist is our new product. It is extremely strong, corrosion resistant and non-reflective due to the body made from 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.

EXE Rise Chain Hoist 2000kg 1 Reeve  
// Extra Large Frame

□ D8+ 2000kg DIRECT CONTROL

Working Load Limit	2000 kg / 4409 lbs
Frequency	50 Hz
Lifting Speed	4 m/min / 13 ft/min ± 1%
Motor Power	2.0 kW
Operating Voltage Δ/Y	230/400 VAC - 3 -50 Hz
3 ph Current	Δ 9,9 A - Y 5.7 A
Δ Power Supply Connector (*)	CEE 16A 9h 230VAC – 3PH + G black plug
Y Power Supply Connector	CEE 16A 6h 400VAC – 3PH + G black 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
Self-Weight	123 kg / 271 lbs
Limit Switch	2 position
Encoder	Incremental or Absolute

(\*) Only on request.

□ D8+ 2000kg LOW VOLTAGE CONTROL

Control Supply Connector	CEE 16A 4h 24VAC – 3PH + G black socket
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208 VAC - 3 - 60 Hz configuration is available.  
Custom configuration are also possible. Please refer to your local  
EXE Technology representative for all information.



**EXE**  
**RISE**

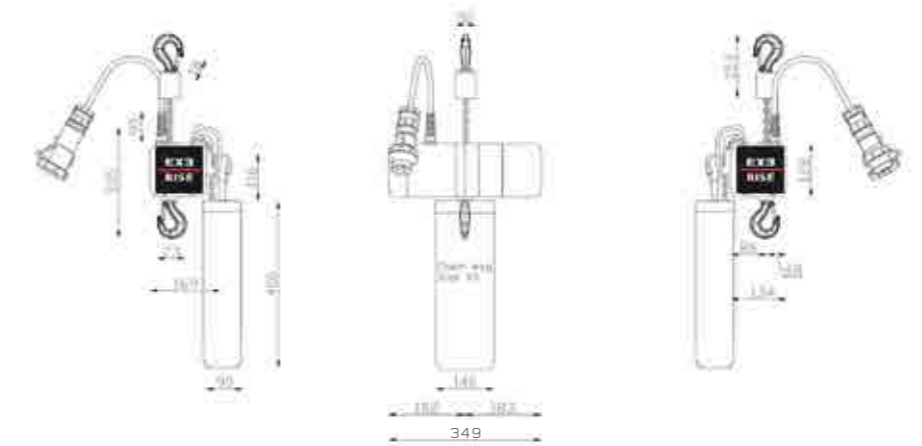
198 kg

SMALL FRAME



**EXE Rise Chain Hoist with WLL 198kg DC**  
**// Small Frame**

**Small Frame** EXE RISE Chain Hoist with WLL 198kg DC is designed for Italian market. The load capacity is minor of 200kg and thus it is exempt from periodical inspections according to Annex VII of Legislative Decree 81/08.



EXE Rise Chain Hoist 198kg // Small Frame	
Model	D8 or D8+
WLL	198 kg
Type of Control	Direct
Frequency	50 Hz
Lifting Speed	4 m/min / 13 ft/min ± 1%
Motor Power	0.5 kW
Operating Voltage Δ/Y	230/400 VAC - 3 -50 Hz
3 ph Current	Δ 2.70 A - Y 1.56 A
Δ Power Supply Connector (*)	CEE 16A 9h 230VAC - 3PH + G black plug
Y Power Supply Connector	CEE 16A 6h 400VAC - 3PH + G black plug
Revolutions Per Minute	1400
Number of Brakes	1 or 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	17 kg / 37 lbs
FEM Class	2m
Duty Factor	40%
Start per Hour	240
Bearing Time /10 years	6300 h
Falls of Chain	1
Type of Chain	DIN EN 818-7 - type DAT - Zinc galvanized steel 80 grade
Size of Chain	4x12mm
Chain Self-Weight	0.35 kg/m 0.24 lbs/ft
Safety Factor	8:1
IP Rate	55
Insulation Class (Temperature Class)	F in according to CEI 15-26
Load Wheel	5 pockets
Noise Level	67.5 dB @full load (75 ± 5) cm
Connection Cable Length	(2.6 ± 0.2) ft

EXE  
RISE

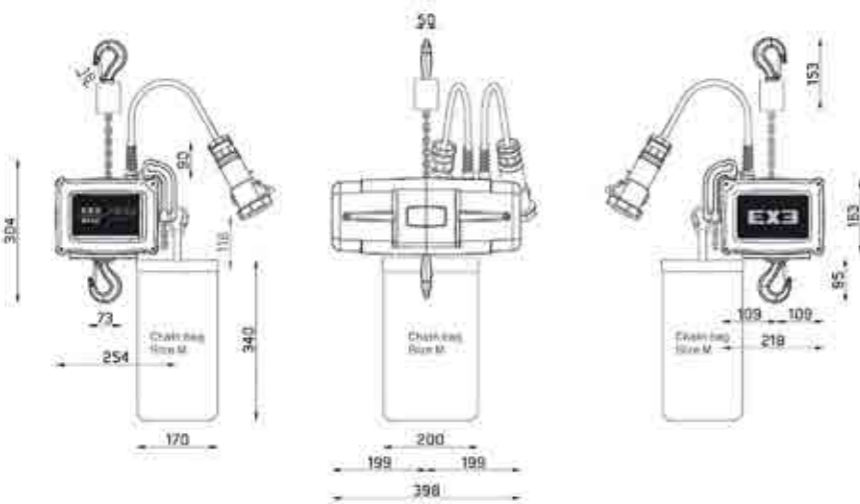
250 kg

SINGLE PHASE



Single phase EXE Rise 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.

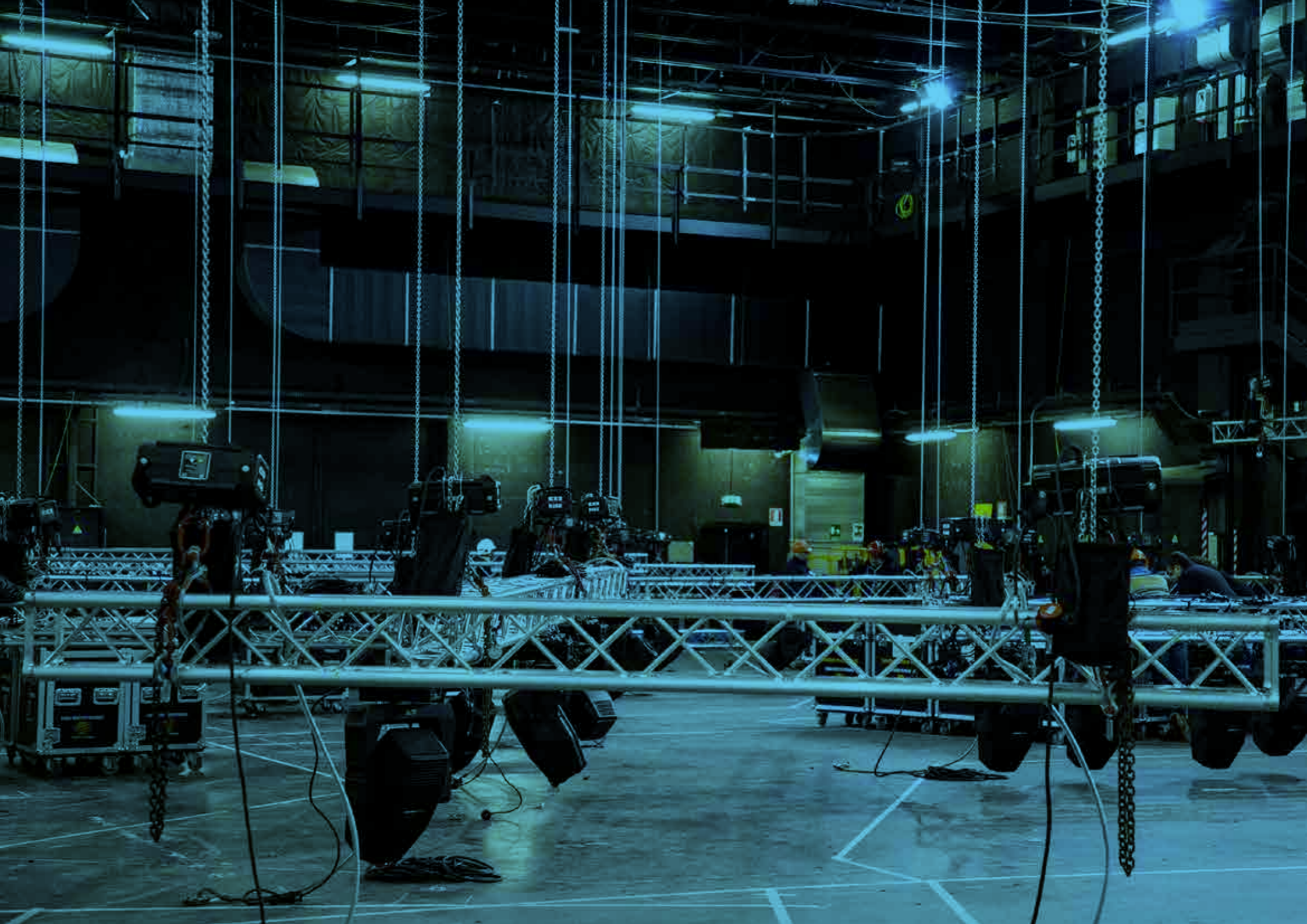
230VAC



mm (inches): the values are reported in millimeters and inches.

### EXE Rise Chain Hoist 250kg // Single Phase

Model	D8+ SINGLE PHASE
Working Load Limit (WLL)	250 kg / 551 lbs
Frequency	50 Hz
Lifting Speed	4 m/min / 13 ft/min ± 1%
Motor Power	0.8 kW
Operating Voltage Δ	230 VAC ± 1 - 50Hz
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	24 kg / 53 lbs
FEM Class	2m
Duty Factor	40%
Start per Hour	240
Bearing Time /10 years	6300 h
Falls of Chain	1
Type of Chain	DIN EN 818-7 - type DAT- Zinc galvanized steel 80 grade
Size of Chain	6x18mm
Chain Self-Weight	0.78 kg/m 0.52 lbs/ft
Safety Factor	8:1
IP Rate	55
Insulation Class (Temperature Class)	F in according to CEI 15-26
Load Wheel	5 pockets
Noise Level	67.5 dB @full load
Connection Cable Length	(75 ± 5) cm (2.6 ± 0.2) ft





**EXE**  
**RISE**

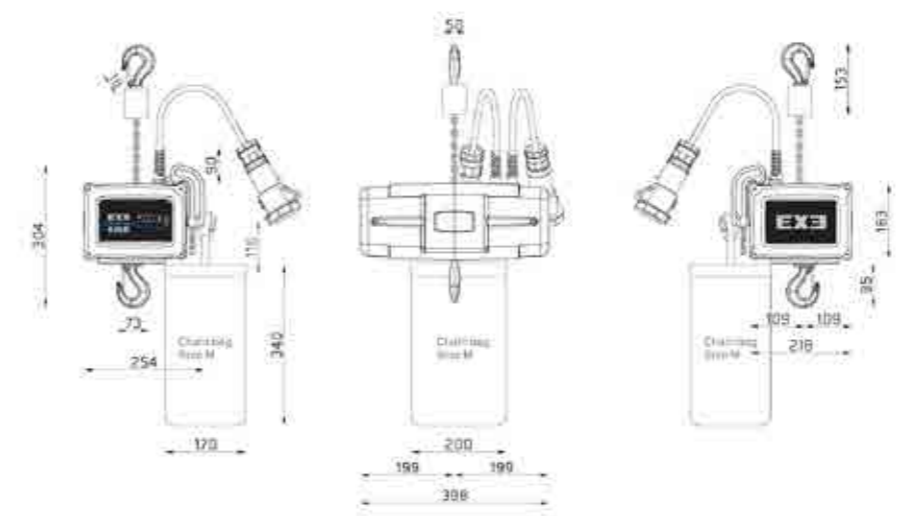
500 kg

SINGLE PHASE  
INVERTER



Single phase EXE Rise chain hoist designed around our medium size body, with a WLL of 500kg and inverter. Ideal for many locations where 3 phase power might not be available.

230VAC



mm (inches): the values are reported in millimeters and inches.

**EXE Rise Chain Hoist 500kg  
with INVERTER  
// Single Phase**

Model	D8+ SINGLE PHASE
Working Load Limit (WLL)	500 kg / 1102 lbs
Frequency	50 Hz
Lifting Speed	4 m/min / 13 ft/min ± 1%
Motor Power	0.8 kW
Operating Voltage	Δ 230 VAC - 1 - 50Hz
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	24 kg / 53 lbs
FEM Class	2m
Duty Factor	40%
Start per Hour	240
Bearing Time /10 years	6300 h
Falls of Chain 1	
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Chain Self-Weight	0.78 kg/m 0.52 lbs/ft
Safety Factor	8:1
IP Rate	55
Insulation Class	F in according to CEI 15-26 (Temperature Class)
Load Wheel	5 pockets
Noise Level	67.5 dB @full load

# EXE VARIO

## CHAIN HOIST VARIABLE SPEED

THE FASTEST ADDITION TO OUR  
+ CHAIN HOIST RANGE

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

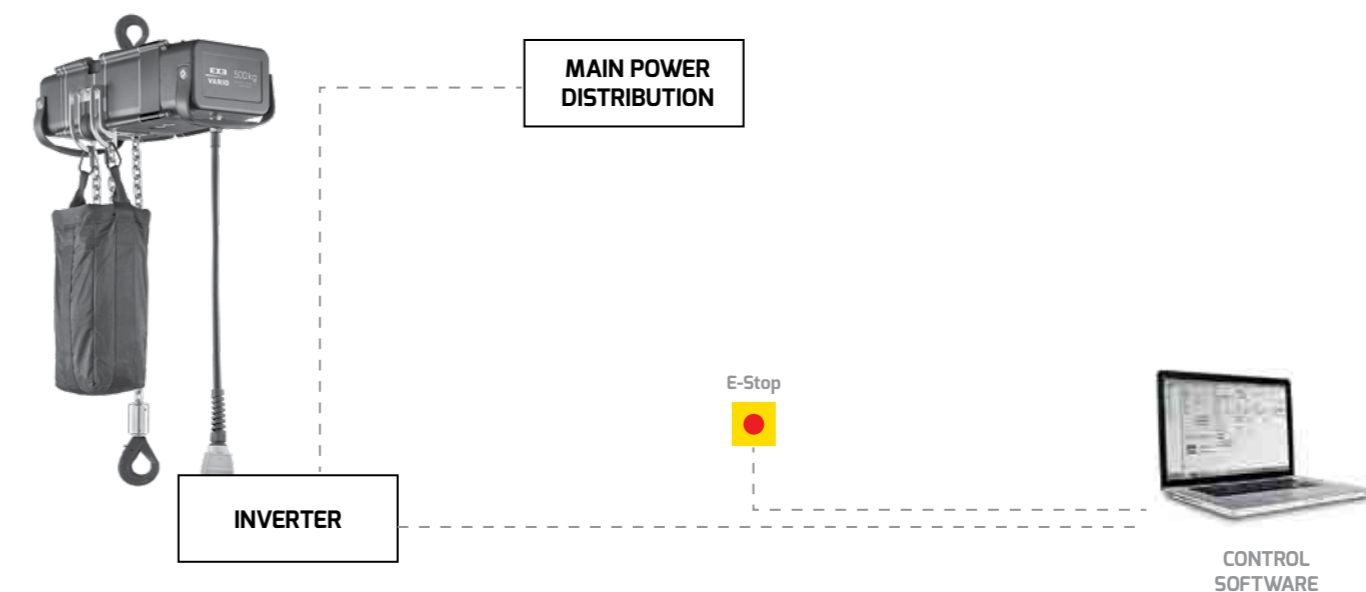
All variable speed chain hoists are supplied ready for use. Every hoist is fitted with double brakes, four position limit switches and encoders as standard. Are available models both 500 kg and 1000kg lifting capacity with 8 × 24 mm chain. The EXE Vario has the ability to ramp start, ramp stop, program 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.

## VARIABLE SPEED CHAIN HOIST CONFIGURATION

*Wiring diagram for a generic EXE Vario hoist configuration*



## EXE VARIO CHAIN HOIST MODELS

**EXE VARIO  
D8+ 500kg**  
MAX LIFTING SPEED  
24m/min @ 60Hz

**EXE VARIO  
D8+ 1000kg**  
MAX LIFTING SPEED  
12m/min @ 60Hz

EX3  
VARIO

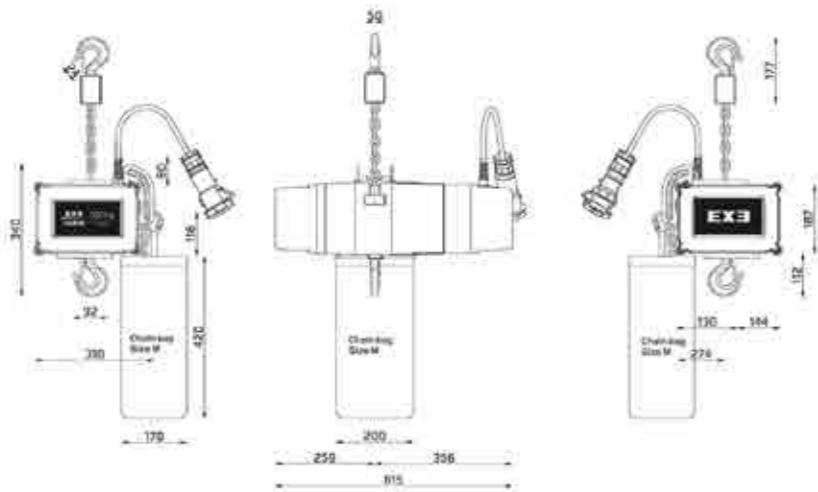
□ D8+ 500kg

VARIABLE SPEED



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

◀ VARIABLE SPEED



mm (inches): the values are reported in millimeters and inches.

EXE VARIO VARIABLE SPEED

□ D8+ 500 kg

WLL	500kg /1102lbs
Frequency – Max Lifting Speed	50 Hz: max 20 m/min / 66 ft/min 60 Hz: max 24 m/min / 79 ft/min
Motor Power	2.2 kW
Operating Voltage	Y 400 VAC - 3 - 50 Hz
3 ph 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 Reduction at the speed specification x %	76% (3000 r/min)
DC Brake gap (SL)	0.2 mm
Self-Weight	50 kg / 110 lbs
Falls of Chain	1
Type of Chain	DIN EN 818-7 - type DAT – Zinc galvanized steel 80 grade
Size of Chain	8x24mm
Chain Self-Weight	1.39 kg/m 0.93 lbs/ft
Safety Factor	8:1
IP Rate	55
Insulation Class (Temperature Class)	F in according to CEI 15-26
Load Wheel	5 pockets
Noise Level	67.5 dB @full load
Connection Cable Length	(165 ± 5) cm (5.4 ± 0.2) ft

EX3  
VARIO

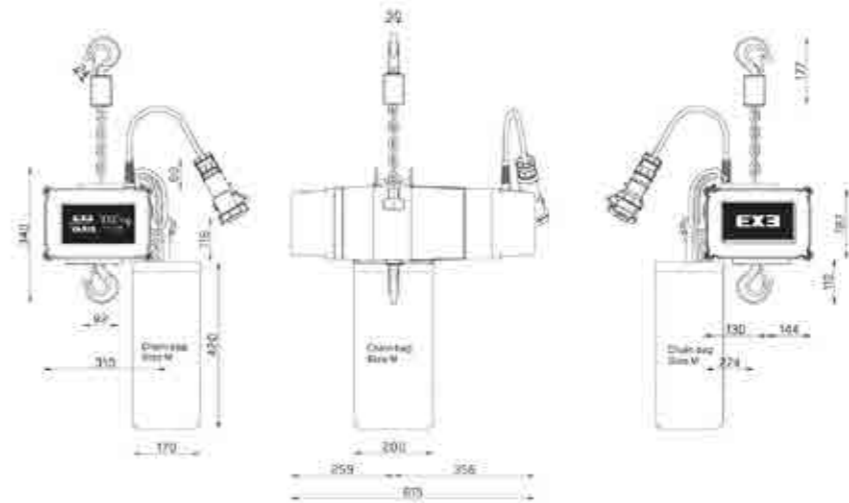
□ D8+ 1000kg

VARIABLE SPEED



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

◀ VARIABLE SPEED



mm (inches): the values are reported in millimeters and inches.

EXE VARIO VARIABLE SPEED

□ D8+ 1000 kg

WLL	1000kg/2205lbs
Frequency – Max Lifting Speed	50 Hz: max 10 m/min / 33 ft/min 60 Hz: max 12 m/min / 39 ft/min
Motor Power	2.2 kW
Operating Voltage	Y 400 VAC - 3 - 50 Hz
3 ph 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 Reduction at the speed specification x %	76% (3000 r/min)
DC Brake gap (SL)	0.2 mm
Self-Weight	52 kg / 115 lbs
Falls of Chain	1
Type of Chain	DIN EN 818-7 - type DAT – Zinc galvanized steel 80 grade
Size of Chain	8x24mm
Chain Self-Weight	1.39 kg/m 0.93 lbs/ft
Safety Factor	8:1
IP Rate	55
Insulation Class (Temperature Class)	F in according to CEI 15-26
Load Wheel	5 pockets
Noise Level	67.5 dB @full load
Connection Cable Length	(165 ± 5) cm (5.4 ± 0.2) ft

FLIGHT CASE

Flight-cases are extremely robust with protection against bumps and vibration. Parts are assembled using aluminium angle extrusions, steel handles with rubber grips and steel closures. Swivel castors and trans pallet supports are also included. Our flight cases are fireproof and waterproof.



	S	M	L
Code	XRF5F2N	XRFMF2N	XRFLF1N
Dimensions	74x57x58 cm	74x57x58 cm	74x57x58 cm
B1xB2xH	29.1x22.4x22.8 inch	29.1x22.4x22.8 inch	29.1x22.4x22.8 inch
Quantity of Hoist	2	2	1
EXE Rise Hoists Compatibility	Small Frame	Medium Frame	Large Frame



XRF5F2N



XRFMF2N



XRFLF1N

FLIGHT CASE

Flight-cases are extremely robust with protection against bumps and vibration. Parts are assembled using aluminum bordering, handles, closures and casing, with fixed wheels and trans pallet supports. Flight-cases are fireproof and waterproof.



	XLA	XLB	XLC
Code	XRFXF1NA	XRFXF1NB	XRFXF1NC
Dimensions	85x65x82 cm	113x80x73 cm	80x80x73 cm
B1xB2xH	33.5x25.6x32.3 inch	44.5x31.5x28.7 inch	31.5x31.5x28.7 inch
Quantity of Hoist	1	1	1
EXE Rise Hoists Compatibility	ExtraLarge Frame	ExtraLarge Frame	ExtraLarge Frame



XRFXF1NB



XRFXF1NC



XRFXF1NA

EXE  
RISE

EXE  
VARIO

ACCESSORIES



CHAIN BAG

Chain Bag used for EXE-RISE is in Polyvinyl chloride coated polyamide 65% PVC (Nylon 840), 35% Polyamide. There are five size (XS, S, M, L, XL) in order to hoist chain of destination.

	XS	S	M	L	L+
Code	CHB029	CHB024	CHB025	CHB026	CHB051
External Dimensions [cm] = Ax B	14x9	20x17	20x17	20x17	27x21
Height [cm] = C	40	34	42	58	55
Self-Weight [kg]	≈ 0.75	≈ 1.00	≈ 1.00	≈ 1.00	≈ 0.75

External Dimensions [inch] = Ax B	5.5x3.5	7.9x6.7	7.9x6.7	7.9x6.7	10.6x8.3
Height [inch] = C	15.7	13.4	16.5	22.8	21.7
Self-Weight [lbs]	≈ 1.65	≈ 2.20	≈ 2.20	≈ 2.20	≈ 1.65

	XL	XXL
Code	CHB028	CHB024
External Dimensions [cm] = Ax B	27x21	20x25/20x40
Height [cm] = C	65	80
Self-Weight [kg]	≈ 1.00	≈ 1.50

External Dimensions [inch] = Ax B	10.6x6.7	7.9x9.8/7.9x15.7
Height [inch] = C	25.6	31.5
Self-Weight [lbs]	≈ 2.20	≈ 3.31

ENCODER

INCREMENTAL ENCODER

Incremental encoders are rotary transducers used to relieve length or thickness measures, angles and speed, and are employed to achieve programmed positioning, pre-set step shifts or to display measures of physical magnitudes.

ABSOLUTE ENCODER

They always provide actual position data when the system is powered on, despite possible shaft rotations; therefore there is no need to Reset to the zero point when powered down.



EXE  
RISE

EXE  
VARIO

ACCESSORIES



SELF LOCKING SWIVEL HOOKS

The self locking swivel hooks are extremely safe because of the self closing latch and the way the hook is constructed prevents the hook from opening when under load.

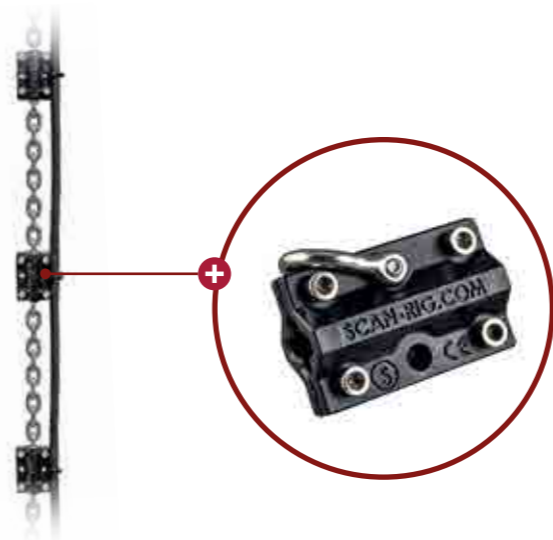
	S	M	L
Commercial Name	Latch Lock Hook Small	Latch Lock Hook Medium	Latch Lock Hook Large
Chain Hoist Compatible	SMALL FRAME (*) MEDIUM FRAME	LARGE FRAME 1 REEVE	LARGE FRAME 2 REEVES  EXTRA LARGE FRAME 2 REEVES

(\*) ONLY CHAIN HOOK

CHAIN SLIDER

Dual 9mm cable attachment points. Can be fitted on a load-bearing chain. Made out of low friction black Polyoxymethylene (POM). Four stainless M6 Hex bolts and Nylocks included. The shackle is not included.

	S	M	L
Commercial Name	Chain Slider Small	Chain Slider Medium	Chain Slider Large
Chain Compatible	4x12mm 5x15mm	6x18mm 7x22mm	8x24mm



**EXE**  
**RISE**

**EXE**  
**VARIO**

ACCESSORIES



RAIN COVER - UP POSITION

Protection from solids and liquids element for EXE Rise chain hoist in OFF mode during seasonal and permanent installations. EXE Technology cover can be used in the motor-up position and fit easily over the top of the motor to form a impermeable barrier.

	S	M	L
Code	CHHSBK	CHHMBK	CHHLBK
Commercial Name	Black Cover Small	Black Cover Medium	Black Cover Large
Chain Hoist Compatible	SMALL FRAME	MEDIUM FRAME	LARGE FRAME



RAIN COVER - DOWN POSITION

Protection from solids and liquids element for EXE Rise chain hoist in OFF mode during seasonal and permanent installations. EXE Technology cover can be used in the motor-down position and fit easily over the top of the motor to form an impermeable barrier.

	M	L
Code	CHHRCM	CHHRCL
Commercial Name	Black Rain Cover Medium	Black Rain Cover Large
Chain Hoist Compatible	MEDIUM FRAME	LARGE FRAME

**EXE**  
**RISE**

**EXE**  
**VARIO**

ACCESSORIES



BLACK CHAIN

Black chain with grade T and type DAT for EXE Rise and EXE Vario chain hoist. The quality is RTS and the surface in phosphate.

Code	XRC032K	XRC0618K	XRC0824K	XRC11M331K
Dimensions	4x12 mm	6x18 mm	8x24 mm	11.3x31mm
Hoist Compatibility	Small Frame	Medium Frame	Large Frame	Extra Large Frame



CHAIN TESTING GAUGE

As the owner of a hoist, you are required to continuously monitor the wear and tear on your hoist chain in accordance with DIN 685 T5 or ISO 7592. A chain may have reached its service life end due to wear of its single or multiple link pitch attachments; wear of the wire diameter, and/or plastic deformation of its chain links due to overloading.

EXE limit gauge consists of on aluminium strip with guide holes for the measuring pins as well as locking holes for the locking studs attached to the measuring pin.

The two galvanised measuring pins provided with locking studs are located, together with the limit gauge, in a high quality softshell bag.



EXE  
DRIVE

EXE DRIVE  
CONTROLLERS

COMFORTABLE,  
+ QUICK & SAFE

EXE Technology is pleased to present its brand new range of controllers.

The range features 4, 8, 16 and 24 Channel Base controller sin 3U and 14U rack mountable chassis, 4, 8, 16 and 24 Channel Digital Link controllers, both in 5U rack mountable chassis and their complementary accessories.  
They are equipped with a power inlet connector which includes a mechanical phase inverter to allow easy correction of cross phased power supplies.  
The XDDLxx models are also equipped with phase present indicator lights. EXE Drive controllers are compatible with EXE Rise chain hoists, and also with most chain hoists present on the market from 0.19 kW to 1.6 kW.

They conform to:  
- Low Voltage directive: 2014/35/CE  
- Electromagnetic compatibility directive:2014/30/CE

3-PH CONTROLLERS

	CHANNELS	LINKABLE	DIRECT CONTROL	LOW VOLTAGE CONTROL	DIGITAL REMOTE CONTROL		
3-PH CONTROLLERS	1	✗	DH1				
	2	✗	DH2				
	4	✗	Xddb4	Xddb4-LV			
		✓	Xddl4	Xddl4-LV	XDRHG	XDRHGR	XDRH4C
	4	✓	Xddc4	✗	XDRHGC		
	6	✓	Xddl6	✗	XDRHG	XDRHGR	
	8	✗	Xddb8	Xddb8-LV			
		✓	Xddl8	Xddl8-LV	XDRHG	XDRHGR	XDRH8C
	8	✗	Xddw8				
	8	✓	Xddc8	✗	XDRHGC		
	16	✓	Xddl16	Xddl16-LV	XDRHG	XDRHGR	XDRH16C
	24	✓	Xddl24	Xddl24-LV	XDRHG	XDRHGR	XDRH24C
1-PH	4	✓	✗	Xddc4-SP	XDRHGC		

EX3  
DRIVE

DH1



DH1  
1-CHANNEL PENDANT PUSH BUTTON

KEY FEATURES

Double-isolated yellow keypad in polyester
1 x Emergency Stop button
2 x mechanical interlock UP-DOWN switches (requires operator to be present)
Compatible with most chain hoists available on the market

TECHNICAL SPECIFICATIONS

Power Supply:	1 plug CEE 230/400VAC 16A 6H 3P+N+T IP67 with mechanical phase inverter
Outputs:	1 x CEE 400VAC 16A 6H 3P+T IP67 flying plug
Rated operational current per output:	10A in AC3 – AC4
Ambient Temperature – Storage:	-25°C/+70°C
Ambient Temperature – Operation:	-25°C/+40°C
Dimensions:	200x85x75.4 mm 7.8x3.3x3.0 inch
Weight:	1,5 kg / 3.3 lbs

EX3  
DRIVE

DH2



DH2  
2-CHANNEL PENDANT PUSH BUTTON

KEY FEATURES

Double-isolated yellow keypad in polyester
1 x Emergency Stop button
2 x mechanical interlock UP-DOWN switches (requires operator to be present)
Compatible with most chain hoists available on the market

TECHNICAL SPECIFICATIONS

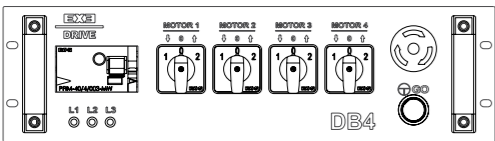
Power Supply:	1 plug CEE 230/400VAC 16A 6H 3P+N+T IP67 with mechanical phase inverter
Outputs:	2 x CEE 400VAC 16A 6H 3P+T IP67 flying plug
Rated operational current per output:	5A in AC3 – AC4
Ambient Temperature – Storage:	-25°C/+70°C
Ambient Temperature – Operation:	-25°C/+40°C
Dimensions:	310x98x76 mm 12.2x3.9x3.0 inch
Weight:	2,0 kg / 4.4 lbs

EX3  
DRIVE

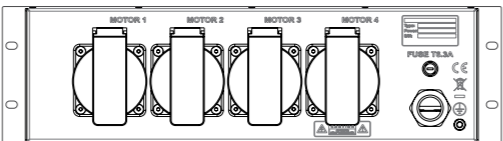
XDDB4  
DIRECT CONTROL



FRONT VIEW



BACK VIEW



XDDB4

KEY FEATURES

- 3 Neon Light for Power Supply indication
- MCB 16A & GFI Breaker (30mA)
- Emergency Stop button
- White GO button
- 4 x 3-travel direction selectors (UP-OFF-DOWN)

TECHNICAL SPECIFICATIONS

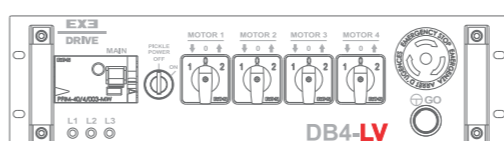
Power Supply:	1 plug CEE 230/400VAC 32A 6H 3P+N+E w/mechanical phase inverter
Outputs:	4 x CEE 400VAC 16A 6H 3P+T IP67 flying plug
Dimensions:	3U rack box 260mm depth
Weight:	12 kg / 26.5 lbs

EX3  
DRIVE

XDDB4-LV  
LOW VOLTAGE



FRONT VIEW



BACK VIEW



XDDB4-LV  
4-CHANNEL BASIC CONTROLLER

KEY FEATURES

- 3 Red Neon Light for Power Supply indication
- MCB 16A & GFI Breaker (30mA)
- Emergency Stop button
- White GO button
- 4 x 3-travel direction selectors (UP-OFF-DOWN)
- Protection General Contactor
- Pickle Power

TECHNICAL SPECIFICATIONS

Power Supply:	230/400VAC 32A 6H 3P+N+E w/mechanical phase inverter
Outputs:	2 x 19 pin circular multi-pin female connector. Two channel power and 2 channel control per connector
Dimensions:	3U rack box 260mm depth
Weight:	12 kg / 26.5 lbs



XDSP2 - LV

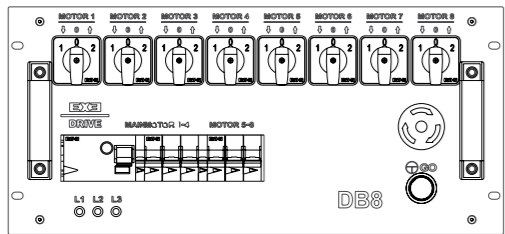
This adapter is used to split the Multi-pin outlets out to 16amp power and control connectors to enable connection to chain hoists.

EX3  
DRIVE

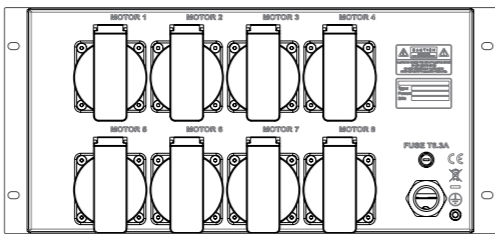
XDDB8  
DIRECT CONTROL



FRONT VIEW



BACK VIEW



XDDB8  
8-CHANNEL BASIC CONTROLLER

KEY FEATURES

- 3 Red Neon Light for Power Supply indication
- MCB 16A & GFI Breaker (30mA)
- Emergency Stop button
- White GO button
- 8 x 3-travel direction selectors (UP-OFF-DOWN)
- Protection General Contactor

TECHNICAL SPECIFICATIONS

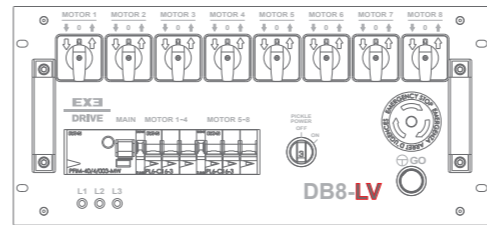
Power Supply:	1 plug CEE 230/400VAC 16A 6H 3 P+N+E with mechanical phase inverter
Outputs:	8 x CEE 400VAC 16A 6H 3 P+E panel sockets
Dimensions:	5U rack box 260mm depth
Weight:	17 kg / 37.5 lbs

EX3  
DRIVE

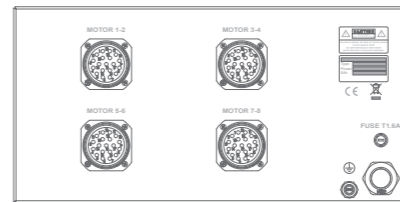
XDDB8-LV  
LOW VOLTAGE



FRONT VIEW



BACK VIEW



XDDB8-LV  
8-CHANNEL BASIC CONTROLLER

KEY FEATURES

- 3 Red Neon Light for Power Supply indication
- GFI 40A (30mA)
- 2 MCB 16A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- Emergency Stop button
- White GO button
- 8 x 3-travel direction selectors (UP-OFF-DOWN)
- Protection General Contactor
- Pickle function

TECHNICAL SPECIFICATIONS

Power Supply:	1 plug CEE 230/400VAC 32A 6H 3 P+N+E with mechanical phase inverter
Outputs:	4 x 19 pin circular multi-pin female connector. 2 channel power and 2 channel control per connector
Dimensions:	5U rack box 260mm depth
Weight:	18.5 kg / 40.8 lbs



XDSP2 - LV

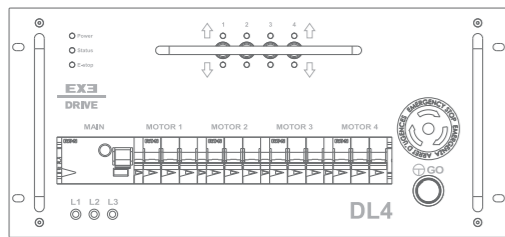
This adapter is used to split the Multi-pin outlets out to 16amp power and control connectors to enable connection to chain hoists.

EX3  
DRIVE

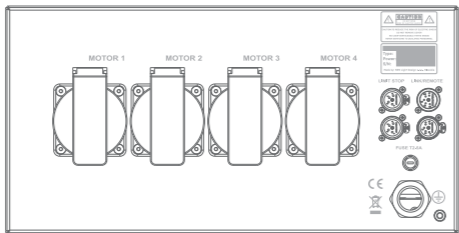
XDDL4  
DIRECT CONTROL



FRONT VIEW



BACK VIEW



XDDL4  
4-CHANNEL MULTILINK CONTROLLER

KEY FEATURES

- 3 Bicolor Led Light Green/Red for Phase Rotation indication 123 – 321 GFI 40A (30mA)
- 4 MCB 10A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- 4 x direction contactor reversal
- Emergency Stop button
- White GO button with light indication
- 4 x 3-position travel direction switches (UP-OFF-DOWN)
- 4 x green LED lights indicating channel UP preselection
- 4 x white LED lights indicating channel DOWN preselection
- XLR 5-pole OUT Link panel socket
- XLR 5-pole IN Link + REMOTE panel socket
- 2x XLR 4-pole for load cell / limit switch / E-stop
- The unit is supplied with a 1 meter link cable XLR 5-pole male/female

TECHNICAL SPECIFICATIONS

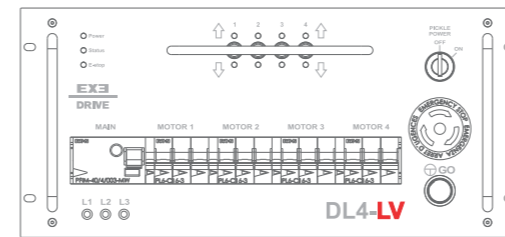
Power Supply:	1 plug CEE 230/400VAC 32A 6H 3 P+N+E with mechanical phase inverter
Outputs:	4 x CEE 400VAC 16A 6H 3 P+E panel sockets
Dimensions:	5U rack box 300mm depth
Weight:	21 kg / 46.3 lbs

EX3  
DRIVE

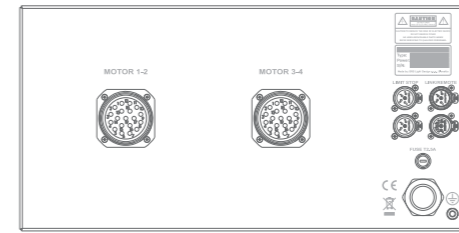
XDDL4-LV  
LOW VOLTAGE



FRONT VIEW



BACK VIEW



XDDL4-LV  
4-CHANNEL MULTILINK CONTROLLER

KEY FEATURES

- 3 Bicolor Led Light Green/Red for Phase Rotation indication 123 – 321 GFI 40A (30mA)
- 4 MCB 10A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- 4 x direction contactor reversal
- Emergency Stop mushroom button
- White GO button with light indication
- 4 x 3-position travel direction switches (UP-OFF-DOWN)
- 4 x green LED lights indicating channel UP preselection
- 4 x white LED lights indicating channel DOWN preselection
- XLR 5-pole OUT Link panel socket
- XLR 5-pole IN Link + REMOTE panel socket
- 2x XLR 4-pole for load cell / limit switch / E-stop
- The unit is supplied with a 1 meter link cable XLR 5-pole male/female

TECHNICAL SPECIFICATIONS

Power Supply:	1 plug CEE 230/400VAC 32A 6H 3 P+N+E with mechanical phase inverter
Outputs:	2 x 19 pin circular multi-pin female connector. Two channel power and 2 channel control per connector
Dimensions:	5U rack box 300mm depth
Weight:	21 kg / 46.3 lbs

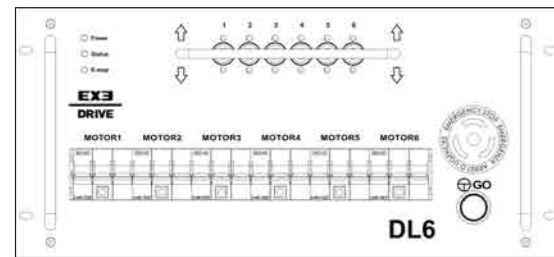


XDSP2 - LV

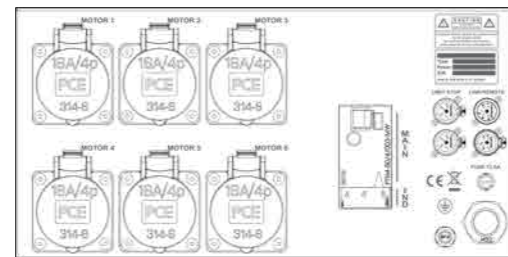
This adapter is used to split the Multi-pin outlets out to 16amp power and control connectors to enable connection to chain hoists.



FRONT VIEW



BACK VIEW



## XDDL6 6-CHANNEL MULTILINK CONTROLLER

### KEY FEATURES

- 3 Bicolor Led Light Green/Red for Phase Rotation indication 123 – 321 GFI 40A (30mA)
- 4 MCB 10A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- 6 x direction contactor reversal
- Emergency Stop mushroom button
- White GO button with light indication
- 6 x 3-position travel direction switches (UP-OFF-DOWN)
- 6 x green LED lights indicating channel UP preselection
- 6 x white LED lights indicating channel DOWN preselection
- XLR 5-pole OUT Link panel socket
- XLR 5-pole IN Link + REMOTE panel socket
- 2x XLR 4-pole for load cell / limit switch / E-stop
- The unit is supplied with a 1 meter link cable XLR 5-pole male/female

### TECHNICAL SPECIFICATIONS

Power Supply:	1 plug CEE 230/400VAC 32A 6H 3 P+N+E with mechanical phase inverter
Outputs:	6 x CEE 400VAC 16A 6H 3 P+T panel sockets
Dimensions:	5U rack box 300mm depth
Weight:	25 kg / 55.1 lbs

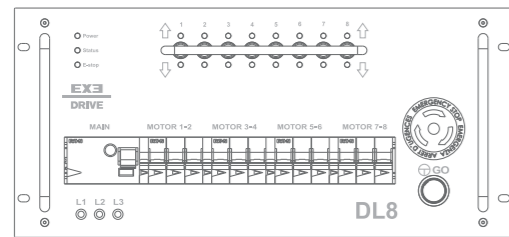


EX3  
DRIVE

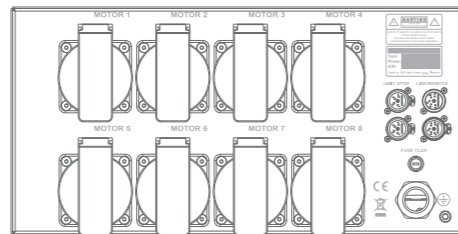
XDDL8  
DIRECT CONTROL



FRONT VIEW



BACK VIEW



XDDL8  
8-CHANNEL MULTILINK CONTROLLER

KEY FEATURES

- 3 Bicolor Led Light Green/Red for Phase Rotation indication 123 – 321
- GFI 40A (30mA)
- 4 MCB 10A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- 8 x direction contactor reversal
- Emergency Stop mushroom button
- White GO button with light indication
- 8 x 3-position travel direction switches (UP-OFF-DOWN)
- 8 x green LED lights indicating channel UP preselection
- 8 x white LED lights indicating channel DOWN preselection
- XLR 5-pole OUT Link panel socket
- XLR 5-pole IN Link + REMOTE panel socket
- 2x XLR 4-pole for load cell / limit switch / E-stop
- The unit is supplied with a 1 meter link cable XLR 5-pole male/female

TECHNICAL SPECIFICATIONS

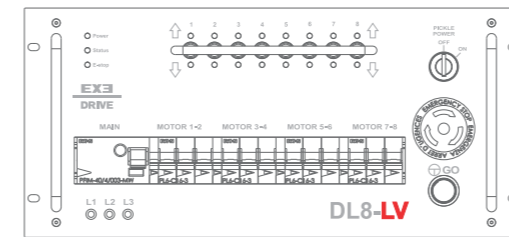
Power Supply:	1 plug CEE 230/400VAC 32A 6H 3 P+N+E with mechanical phase inverter
Outputs:	8 x CEE 400VAC 16A 6H 3 P+N+E panel sockets
Dimensions:	5U rack box 300mm depth
Weight:	25 kg / 55.1 lbs

EX3  
DRIVE

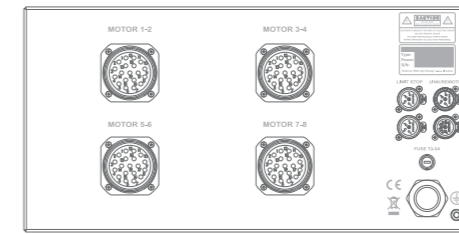
XDDL8-LV  
LOW VOLTAGE



FRONT VIEW



BACK VIEW



XDDL8-LV  
8-CHANNEL MULTILINK CONTROLLER

KEY FEATURES

- 3 Bicolor Led Light Green/Red for Phase Rotation indication 123 – 321
- GFI 40A (30mA)
- 4 MCB 10A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- Protection General Contactor
- 8 x direction contactor reversal
- Emergency Stop mushroom button
- White GO button (requires operator to be present) with light indication
- 8 x 3-position travel direction switches (UP-OFF-DOWN)
- 8 x green LED lights indicating channel UP preselection
- 8 x white LED lights indicating channel DOWN preselection
- XLR 5-pole OUT Link panel socket
- XLR 5-pole IN Link + REMOTE panel socket
- 2x XLR 4-pole for load cell / limit switch / E-stop
- The unit is supplied with a 1 meter link cable XLR 5-pole male/female

TECHNICAL SPECIFICATIONS

Power Supply:	1 mobile plug CEE 230/400VAC 32A 6H 3 P+N+E with mechanical phase inverter
Outputs:	4 x 19 pin circular multi-pin female connector. Two channel power and 2 channel control per connector
Dimensions:	5U rack box 300mm depth
Weight:	25 kg / 55.1 lbs



XDSP2 - LV

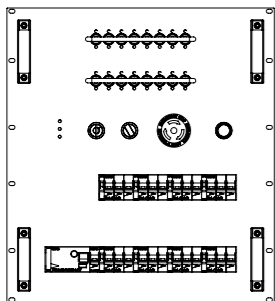
This adapter is used to split the Multi-pin outlets out to 16amp power and control connectors to enable connection to chain hoists.

EX3  
DRIVE

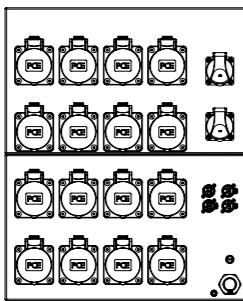
XDDL16  
DIRECT CONTROL



FRONT VIEW



BACK VIEW



XDDL16  
16-CHANNEL MULTILINK CONTROLLER

KEY FEATURES

- 3 Bicolor Led Light Green/Red for Phase Rotation indication 123 – 321
- GFI 40A (30mA)
- 8 MCB 10A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- 16 x direction contactor reversal
- Emergency Stop mushroom button
- White GO button with light indication
- 16 x 3-position travel direction switches (UP-OFF-DOWN)
- 16 x green LED lights indicating channel UP preselection
- 16 x white LED lights indicating channel DOWN preselection
- XLR 5-pole OUT Link panel socket
- XLR 5-pole IN Link + REMOTE panel socket
- 2x XLR 4-pole for load cell / limit switch / E-stop
- The unit is supplied with a 2 meters link cable XLR 5-pole male/female

TECHNICAL SPECIFICATIONS

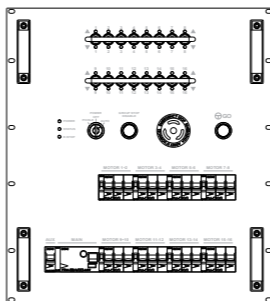
Power Supply:	1 plug CEE 230/400VAC 63A 6H 3 P+N+E with mechanical phase inverter
Outputs:	16 x CEE 400VAC 16A 6H 3 P+E panel sockets
Dimensions:	12U rack box 300mm depth
Weight:	44 kg / 97.0 lbs

EX3  
DRIVE

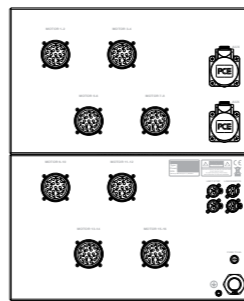
XDDL16-LV  
LOW VOLTAGE



FRONT VIEW



BACK VIEW



XDDL16-LV  
16-CHANNEL MULTILINK CONTROLLER

KEY FEATURES

- 3 Bicolor Led Light Green/Red for Phase Rotation indication 123 – 321
- GFI 40A (30mA)
- 8 MCB 10A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- 16 x direction contactor reversal
- Emergency Stop mushroom button
- White GO button with light indication
- 16 x 3-position travel direction switches (UP-OFF-DOWN)
- 16 x green LED lights indicating channel UP preselection
- 16 x white LED lights indicating channel DOWN preselection
- XLR 5-pole OUT Link panel socket
- XLR 5-pole IN Link + REMOTE panel socket
- 2x XLR 4-pole for load cell / limit switch / E-stop
- The unit is supplied with a 2 meters link cable XLR 5-pole male/female
- Pickle function

TECHNICAL SPECIFICATIONS

Power Supply:	1 plug CEE 230/400VAC 63A 6H 3 P+N+E with mechanical phase inverter
Outputs:	8 x 19 pin circular multi-pin female connector. Two channel power and 2 channel control per connector
Dimensions:	12U rack box 300mm depth
Weight:	44 kg / 97.0 lbs



XDSP2 - LV

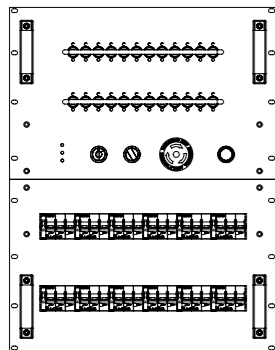
This adapter is used to split the Multi-pin outlets out to 16amp power and control connectors to enable connection to chain hoists.

EX3  
DRIVE

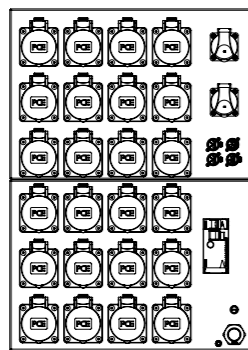
XDDL24  
DIRECT CONTROL



FRONT VIEW



BACK VIEW



XDDL24  
24-CHANNEL MULTILINK CONTROLLER

KEY FEATURES

- 3 Bicolor Led Light Green/Red for Phase Rotation indication 123 – 321
- GFI 40A (30mA)
- 12 MCB 10A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- 24 x direction contactor reversal
- Emergency Stop mushroom button
- White GO button with light indication
- 24 x 3-position travel direction switches (UP-OFF-DOWN)
- 24 x green LED lights indicating channel UP preselection
- 24 x white LED lights indicating channel DOWN preselection
- XLR 5-pole OUT Link panel socket
- XLR 5-pole IN Link + REMOTE panel socket
- 2x XLR 4-pole for load cell / limit switch / E-stop
- The unit is supplied with a 2 meters link cable XLR 5-pole male/female

TECHNICAL SPECIFICATIONS

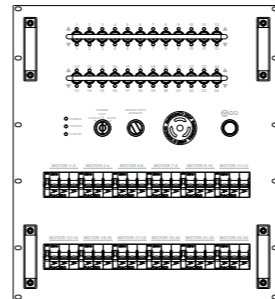
Power Supply:	1 plug CEE 230/400VAC 63A 6H 3 P+N+E with mechanical phase inverter
Outputs:	24 x CEE 400VAC 16A 6H 3 P+E panel sockets
Dimensions:	14U rack box 300mm depth
Weight:	47 kg / 103.6 lbs

EX3  
DRIVE

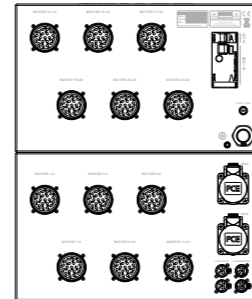
XDDL24-LV  
LOW VOLTAGE



FRONT VIEW



BACK VIEW



XDDL24-LV  
24-CHANNEL MULTILINK CONTROLLER

KEY FEATURES

- 3 Bicolor Led Light Green/Red for Phase Rotation indication 123 – 321
- GFI 40A (30mA)
- 12 MCB 10A w/link functions between MCB and General Contactor for magneto-thermal Cut off
- 24 x direction contactor reversal
- Emergency Stop mushroom button
- White GO button with light indication
- 24 x 3-position travel direction switches (UP-OFF-DOWN)
- 24 x green LED lights indicating channel UP preselection
- 24 x white LED lights indicating channel DOWN preselection
- XLR 5-pole OUT Link panel socket
- XLR 5-pole IN Link + REMOTE panel socket
- 2x XLR 4-pole for load cell / limit switch / E-stop
- The unit is supplied with a 2 meters link cable XLR 5-pole male/female
- Pickle function

TECHNICAL SPECIFICATIONS

Power Supply:	1 plug CEE 230/400VAC 63A 6H 3 P+N+E with mechanical phase inverter
Outputs:	12 x 19 pin circular multi-pin female connector. Two channel power and 2 channel control per connector
Dimensions:	12U rack box 300mm depth
Weight:	47 kg / 103.6 lbs



XDSP2 - LV

This adapter is used to split the Multi-pin outlets out to 16amp power and control connectors to enable connection to chain hoists.

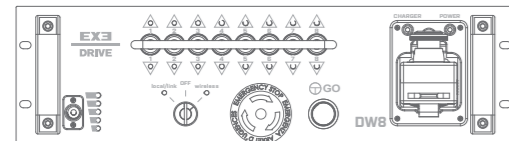
**EX3  
DRIVE**

XDDW8  
DIRECT CONTROL



FRONT VIEW

BACK VIEW



## XDDW8 8-CHANNEL WIRELESS CONTROLLER

### KEY FEATURES

Operable only in combination with the XDDL8 motor controller	
2.4GHz working frequency with dual encryption	
Switches with UP/STAY/DOWN function	
GO and Emergency STOP button	
Dry contacts on outputs	
Power Supply:	AC230V / 50Hz / 16A
Dimensions:	3U 19" box
Weight:	12.5 kg

### BASE UNIT

Wireless receiver	
Function key switch with OFF/LOCAL/WIRELESS control modes	
Charger and storage for the REMOTE unit	
LED indication for GO button, wireless signal presence, charger status	

### REMOTE UNIT

Wireless transmitter	
Integrated antenna inside the body	
Standard Motorola Li-Ion battery	
Battery status indication LED	
Beeper alarm function	
Device status LED	
Metal belt clip	



EX3  
DRIVE

XDDC4  
DIRECT CONTROL



XDDC4  
4-CHANNEL BRIEFCASE CONTROLLER

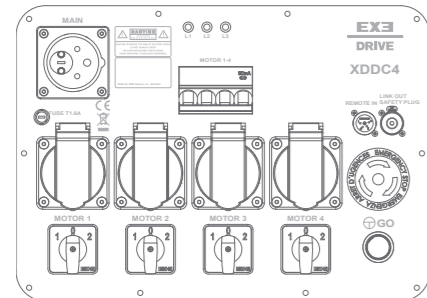
KEY FEATURES

- Controls up to 4 direct voltage hoists
- Manual Phase Align (MPA) using power input connector
- Link connector
- Housing in robust plastic case
- Emergency Stop button
- White GO button
- Magneto-thermal Cut off
- 4 x 3-cam changeover switch (UP-OFF-DOWN)
- Protection General Contactor

TECHNICAL SPECIFICATIONS

Power Supply:	CEE 32/5p
Outputs:	RCBO C16A/30mA
Dimensions:	340 x 424 x 173 mm
Weight:	8 kg

FRONT VIEW



EX3  
DRIVE

XDDC8  
DIRECT CONTROL



XDDC8  
8-CHANNEL BRIEFCASE CONTROLLER

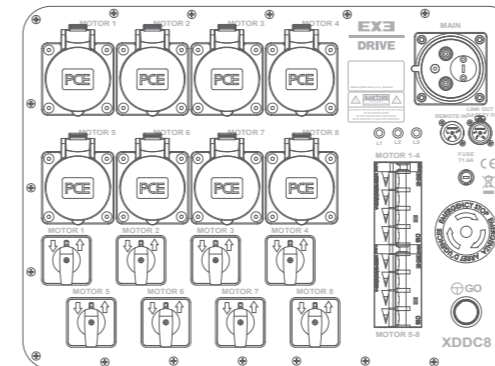
KEY FEATURES

- Controls up to 8 direct voltage hoists
- Manual Phase Align (MPA) using power input connector
- Link connector
- Housing in robust plastic case
- Emergency Stop button
- White GO button
- Magneto-thermal Cut off
- 8 x 3-cam changeover switch (UP-OFF-DOWN)
- Protection General Contactor

TECHNICAL SPECIFICATIONS

Power Supply:	CEE 32/5p
Outputs:	RCBO C16A/30mA
Dimensions:	406 x 503 x 193mm
Weight:	11.5 kg

FRONT VIEW



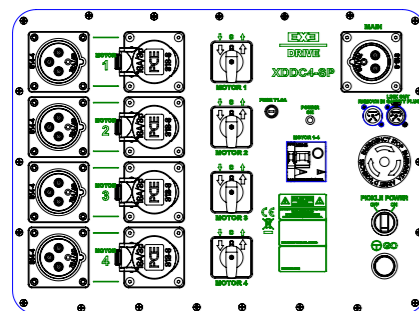
## XDDC4-SP

SINGLE PHASE



FRONT VIEW

965096-LT XDDC4-SP-PODKLADY - 5.6.2019



## XDDC4-SP

4-CHANNEL BRIEFCASE CONTROLLER  
SINGLE PHASE

### KEY FEATURES

- Controls up to 4 direct voltage hoists
- Manual Phase Align (MPA) using power input connector
- Link connector
- Housing in robust plastic case
- Emergency Stop button
- White GO button
- Magneto-thermal Cut off
- 4 x 3-cam changeover switch (UP-OFF-DOWN)
- Protection General Contactor

### TECHNICAL SPECIFICATIONS

Power Supply:	CEE 16/3P
Outputs protection:	RCBO C16A/30mA
Outputs:	CEE16/3p MALE+FEMALE
Dimensions:	40 x 424 x 173 mm
Weight:	8-8.75 kg





### XDRHG

#### REMOTE EMERGENCY BUTTON STOP / GO

##### KEY FEATURES

Yellow double-isolated pendant push button in self-extinguishing thermoplastic material, applied only to XLR 5-pole OUT Link panel plug provided with the DL controllers

1 x Red Stop button

1 x White flashing LED to enable Go function from remote control

1 x Green Go button

Cable length: 15m

1 x XLR 5-pole socket connector

### XDRHGR

#### REMOTE EMERGENCY BUTTON STOP / GO / REVERSE

##### KEY FEATURES

All above features

1 x White button for Reverse function



### XDRHGC

#### CABLE REMOTE WITH GO AND E-STOP BUTTONS

##### KEY FEATURES

Simple remote for XDDC series EXE Drive controllers

GO and E-STOP buttons

Cable length according to client's needs

4-pin NEUTRIK male connector

##### TECHNICAL SPECIFICATIONS

Size: 264 x 66 x 75mm

Weight: 0,87 kg

EX3  
DRIVE

XDRH4C



**XDRH4C**  
DIGITAL REMOTE CONTROL  
4 CHANNELS

KEY FEATURES

Material:	Sturdy 2mm thick aluminium box, grey powder coated pendant push button
Dimensions:	22.5x10.6x9.5 cm 8.9x4.2x3.7 inch
Weight:	0.9 kg / 2.0 lbs
1 x Stop mushroom button	
White GO button with light indication	
4 x Direction switch with light indication	
4 Bicolor Green/White LED lights indicating channel UP / DOWN preselection	
Bicolor Green/Orange LED	
Cable XLR5 male-female to be ordered separately	

EX3  
DRIVE

XDRH8C



**XDRH8C**  
DIGITAL REMOTE CONTROL  
8 CHANNELS

KEY FEATURES

Material:	Sturdy 2mm thick aluminium box, grey powder coated pendant push button
Dimensions:	29.0x10.6x9.5 cm 11.4x4.2x3.7 inch
Weight:	1.2 kg / 2.6 lbs
1 x Stop mushroom button	
White GO button with light indication	
8 x Direction switch with light indication	
8 Bicolor Green/White LED lights indicating channel UP / DOWN preselection	
Bicolor Green/Orange LED	
Cable XLR5 male-female to be ordered separately	



**XDRH16C**  
DIGITAL REMOTE CONTROL  
16 CHANNELS

KEY FEATURES

Material:	Sturdy 2mm thick aluminium box, grey powder coated pendant push button
Dimensions:	29.5x20.0x9.5 cm 11.6x7.9x3.7 inch
Weight:	1.8 kg / 4.0 lbs
1 x Stop mushroom button	
White GO button with light indication	
16 x Direction switch with light indication	
16 Bicolor Green/White LED lights indicating channel UP / DOWN preselection	
Bicolor Green/Orange LED	
Cable XLR5 male-female to be ordered separately	



**XDRH24C**  
DIGITAL REMOTE CONTROL  
24 CHANNELS

KEY FEATURES

Material:	Sturdy 2mm thick aluminium box, grey powder coated pendant push button
Dimensions:	36.5x20.0x9.5 cm 14.4x7.9x3.7 inch
Weight:	2.3 kg / 5.1 lbs
1 x Stop mushroom button	
White GO button with light indication	
24 x Direction switch with light indication	
24 Bicolor Green/White LED lights indicating channel UP / DOWN preselection	
Bicolor Green/Orange LED	
Cable XLR5 male-female to be ordered separately	

XDSP2-LV

XDRH1C-LV



XDSP2-LV  
BREAK-OUT ADAPTER MULTI-PIN  
TO 16A CEE

KEY FEATURES

This adapter is required to split the 19 male pin Multi-pin outlets out to 16A CEE connectors to enable connection to chain hoists.

- 19 Pin circular multi-pin male connector
- 4 x 100cm long legs wired on 4G 1.5m/sq H07 RNF cable
- CEE 16A 6h 400VAC - 3PH + G red socket
- CEE 16A 4h 24VAC - 3PH + G yellow plug

XDRH1C-LV  
LV REMOTE CONTROL  
1 CHANNEL UP-DOWN

KEY FEATURES

- Double insulated enclosures in thermoplastic self-extinguishing material P65 rating
- Operating temperature -25° +70°C
- 2 directions mechanically interlocked: UP & DOWN

CHAIN HOIST AND CONTROLLER COMPATIBILITY						
EXE-DRIVE MOTOR CONTROLLER		☐ D8+				
		250kg	500kg	1000kg	2000kg 2 REEVES	2000kg 1 REEVE
		✓	✓	✓	✓	✓✗
		✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓
		✓	✓	✓	✗	✗
		✓	✓	✓	✗	✗
		✓	✓	✓	✗	✗
		✓	✓	✓	✗	✗
		✓	✓	✓	✗	✗
		✓	✓	✓	✗	✗
		✓	✓	✓	✗	✗

The values in the table refer to the standard EXE Drive Motor Controller.  
On request, the EXE Drive Motor Controllers can be customized.Contact our technical office for more information.

# EXE CELL

## LOAD CELL

### WIRED SYSTEM, WITH DISPLAY + AND MONITORING LOAD

The EXE RISE LOAD CELL INTERFACE system works as standalone load cell reader, fully integrated in a chain hoist body to give riggers the possibility to see, in real time, the individual weight applied to the chain hoist during all rigging operations.

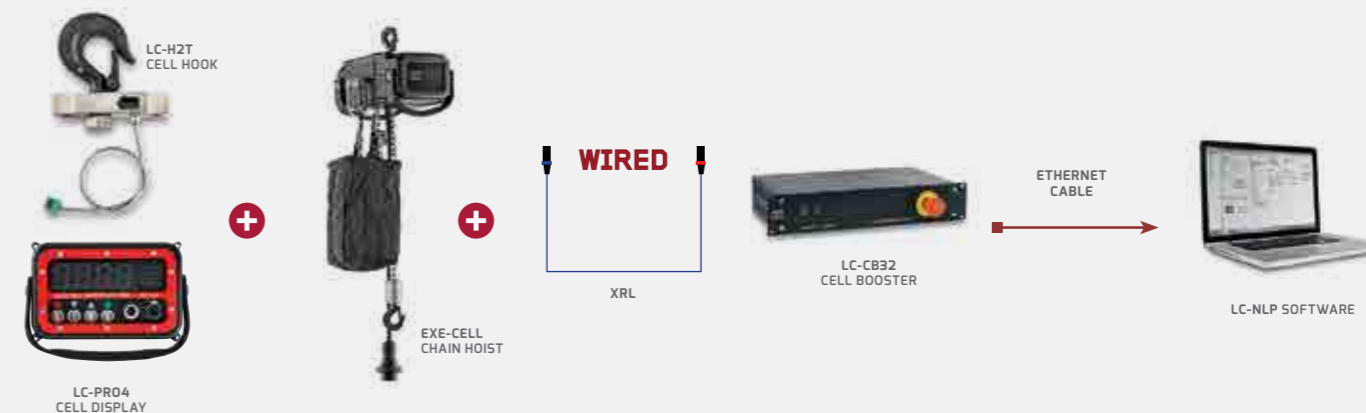
It is built around a self-powered electronic circuit board equipped with an LED display, built into a metal cover that can replace the standard end cover of the hoist. The circuit board is connected to a special body hook with integrated load cell reading system.

The EXE NETWORK LOAD CELL reads values from analog loadcell shackles and features the direct e-stop output for rigging systems.

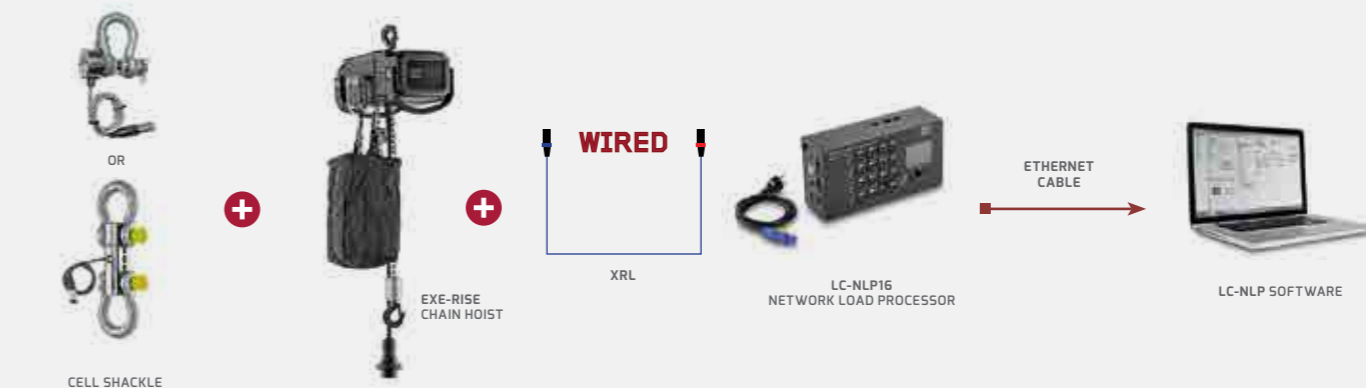
### WIRELESS FXA RADIO MODULE +

The EXE RISE LOAD CELL FXA INTERFACE uses a wireless module as an alternative to wired systems. This offers maximum freedom in handling hoists, covering distances up to 400 meters from the gateway. All information is available in real-time on intuitive user interfaces on PC. The sampling of load data is every second, with transmission varying from one second to 10 minutes depending on whether the load is variable or stable within certain values set by the user. Battery life estimate for more than 2 years.

#### LC-PRO CONFIGURATION



#### LC-NLP CONFIGURATION



#### LC-FXA CONFIGURATION



## EXE CELL

### LC-PRO CONFIGURATION



### LC-H2T CELL HOOK

#### KEY FEATURES

Load cell fully integrated into the hook plate assembly.  
Solid and robust – Built to withstand the rigours of touring.  
Easy to upgrade from a standard hook. Simply fixed in place using two bolts.  
Cable from load cell to display is routed inside the hoist for additional durability.  
No loss of headroom compared with external load cell systems.

### LC-PRO4 CELL DISPLAY

#### KEY FEATURES

Calibration of loadcell via link connectors for easy setup without dismantling the hoist.  
Two panel display, one to show 4-DIGIT weight (132 x 47 mm) and a second 2-DIGIT display (45 x 39 mm) has the possibility to select between pounds or kilograms. Both displays are mounted behind a durable polycarbonate protection screen.  
Dual Color Multifunction display to show system calibration set up and real time weight loading, with adjustable brightness and auto power off functions.  
Automatic display reverse option to provide easy to read, clear display in either body up or body down operation. Backup power supply via battery.  
Optional available a Li-Ion battery to mount inside the CELL DISPLAY that is able to power the load cell without using any external power supply via link cable connector, for more details please read the instruction manual.  
"Zero" value setting (Tare) function, shows the weight of the suspended load only and not the self-weight of the hoist. Double load /sleeve block/ reading setting. Setting over and under-load.

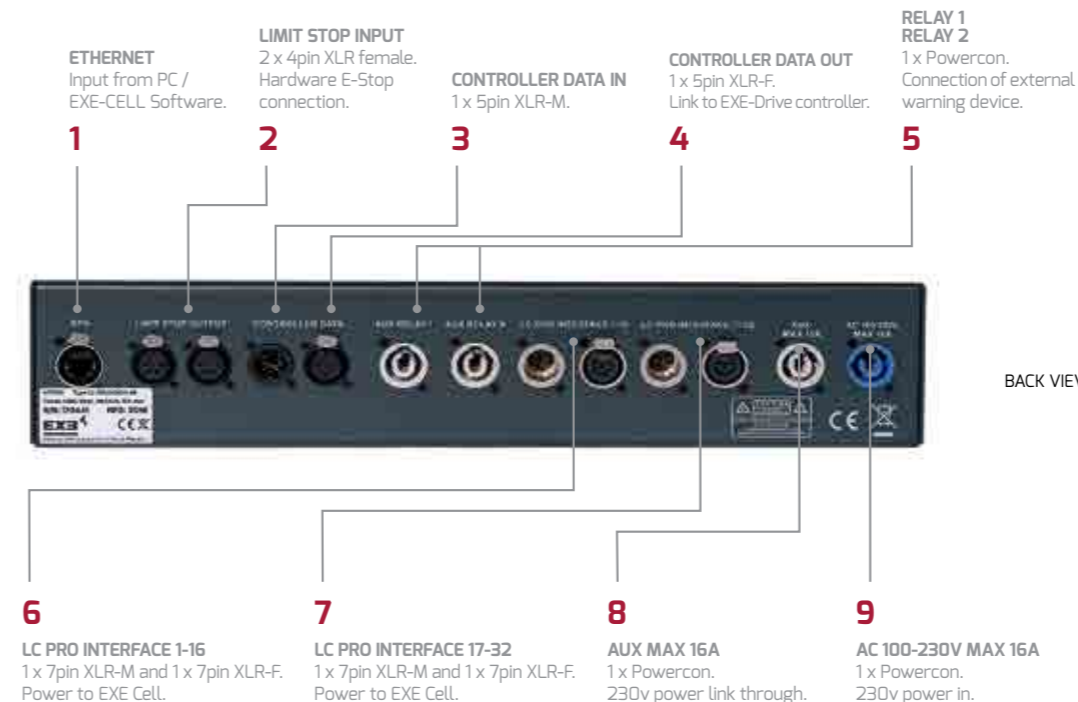
### LC-PRO SOFTWARE

#### KEY FEATURES

Exe-Rise Chain Hoist Control System, EXE-CELL HCap software is free and very easy to use. It is possible to set maximum (overload) and minimum (underload) load limits for each hoist directly from the PC interface. If the load monitoring detects a hoist that reaches one of these pre-set limits the hoists will stop. In addition to this, you can also set a lesser load value than the maximum and minimum limits that will act as a visual warning that the system is approaching the pre-set cut out points.

## EXE CELL

### LC-PRO CELL BOOSTER

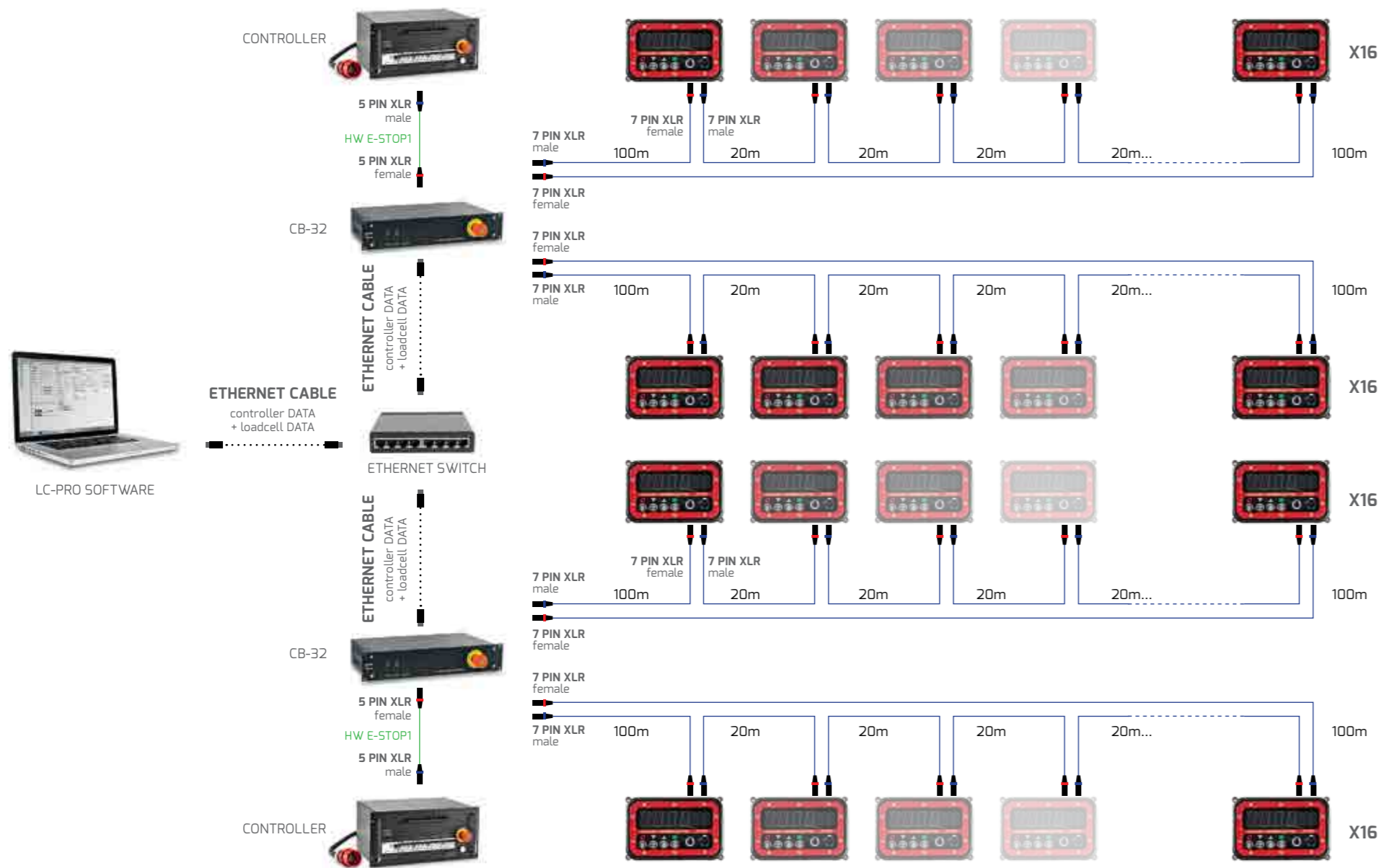


### LC-CB32 CELL BOOSTER

#### KEY FEATURES

Powers up to 32 EXE-Cell Pro Interface modules via two 7 Pin XLR output lines.  
Rack mountable – 2U.  
Front panel includes Data and Power on LED indicator lights.  
1 x Emergency Stop mushroom button.  
Power inlet and Auxiliary out via Powercon connectors on rear (16amp Max).  
Auto Sensing Voltage Selector.  
Can be connected to EXE-Drive controllers and linked to activate E-stop network in case of Over/Under load.  
Multiple Boosters and EXE-Drive units can be linked together.  
Max 64 channels on one network  
2 x Powercon relay outputs on rear.  
These can be used to trigger flashing beacons or audible sounders as an additional warning in case of Over/Underload.

LC-PRO  
CONFIGURATION



EXE CELL  
COMPATIBILITY  
CHART

CHAIN HOISTS COMPATIBILITY CHART	DIRECT CONTROL	 D8+ 500kg/1102lbs DC	 D8+ 1000kg/2205lbs DC	 D8+ 2000kg/4409bs DC 2 REEVES	 D8+ 2000kg/4409bs DC 1 REEVE
	LOW VOLTAGE CONTROL	 D8+ 500kg/1102lbs LVC	 D8+ 1000kg/2205lbs LVC	 D8+ 2000kg/4409bs LVC 2 REEVES	 D8+ 2000kg/4409bs LVC 1 REEVE



EXE-CELL HCap  
Software is free and very easy to use.



3.25t



7.5t



## CELL SHACKLE 3.25t & 7.5t

### KEY FEATURES

High quality preamplified load cell sensors using advanced technology to measure tension forces in heavy load scenarios up to 7.5t.  
Designed to be used with standard shackles makes this system versatile and easy to use.  
To be used with NLP Software.

## LC-PRO SOFTWARE

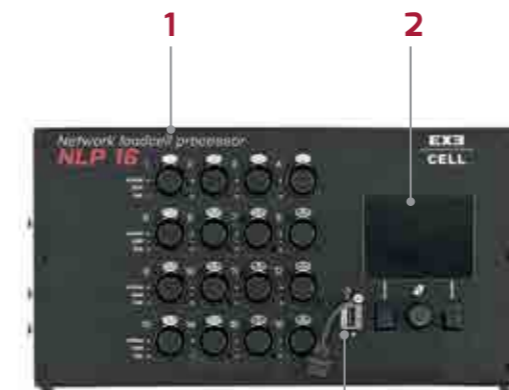
### KEY FEATURES

Network Loadcell Processor software is NLP Loadcell Shackle's powerful system load monitoring software.  
It is highly reliable and quick and easy to use; and is supplied included in the NLP16 package.  
It is possible to set both maximum (overload) and minimum (underload) load limits for each cell, plus the maximum and minimum warning levels.



LC-NLP16  
INTERFACE 1-16  
16x5pin XLR female -20mA  
input port for the loadcell  
connection

LARGE TFT FULL  
COLOR DISPLAY



FRONT VIEW

LINK A  
CONTROLLER  
DATA IN/OUT  
1x5pin XLR male  
1x5pin XLR female

LINK B  
CONTROLLER  
DATA IN/OUT  
1x5pin XLR male  
1x5pin XLR female

ETHERNET  
CONNECTION



BACK VIEW

## LC-NLP16 NETWORK LOAD PROCESSOR

### KEY FEATURES

The NLP16 is easy-to-use and user-friendly device developed by riggers.  
The NLP is a main unit that reads values from analog loadcell shackles with 4-20mA output and features the direct e-stop output for rigging systems.  
A front TFT color panel display allows the viewing of loads and groups without needing an external PC while the universal power supply allows the system to be used worldwide.  
The NLP can work as a fully independent part of rigging setup.

1

2

3

USB CONNECTION

1

2

3

4

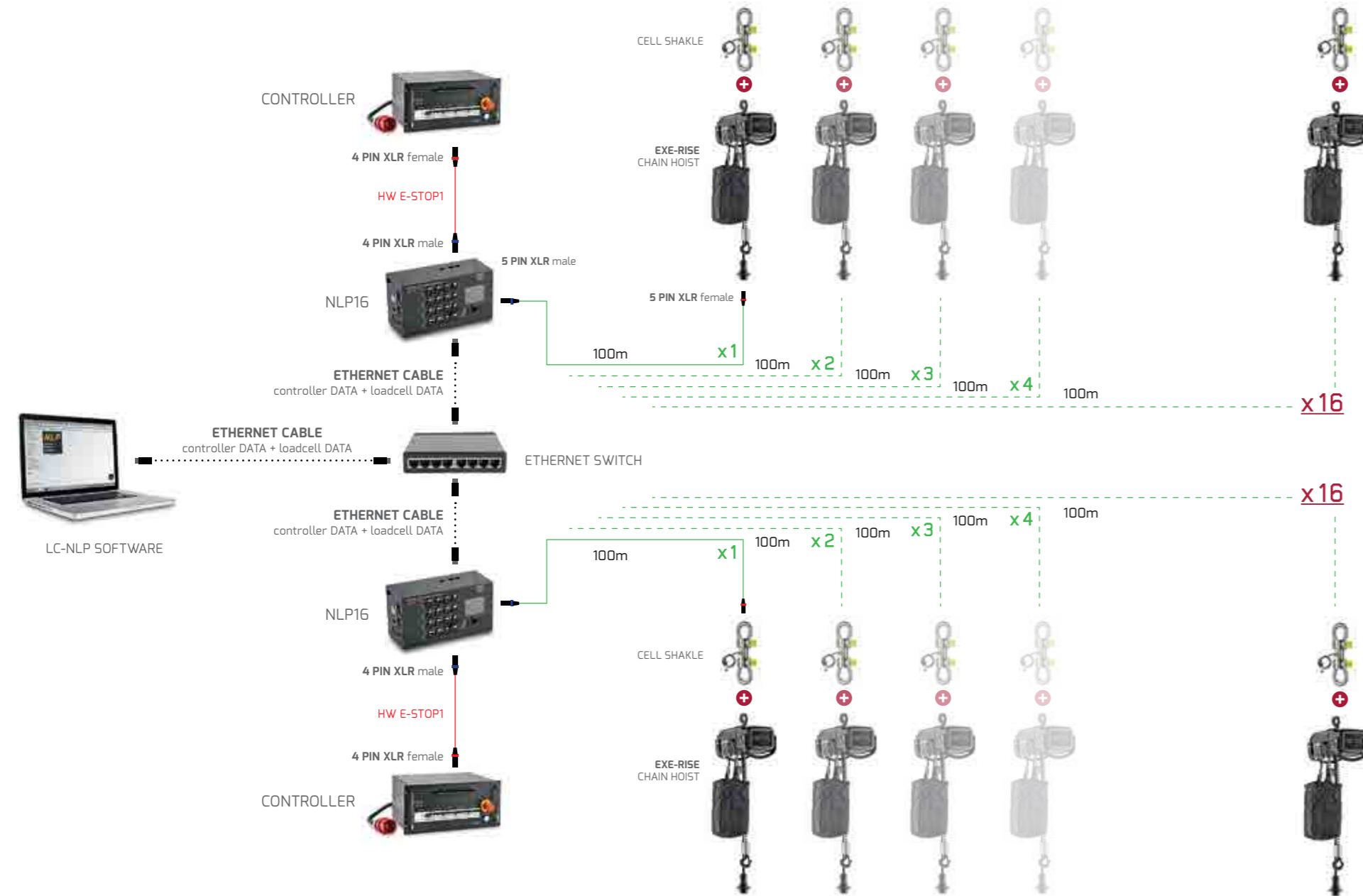
1xPOWERCON  
Power IN

5

1xPOWERCON  
Power link  
through

6

E-STOP 1:  
LIMIT STOP IN  
1x4pin XLR male



FIXED SPEED	DIRECT CONTROL		LOW VOLTAGE CONTROL		SINGLE PHASE	
	□ D8+ (SF 8:1)		□ D8+ (SF 8:1)			
	 <p>D8+ 250kg/551lbs DC</p>	 <p>D8+ 500kg/1102lbs DC</p>	 <p>D8+ 1000kg/2205lbs DC</p>	 <p>D8+ 2000kg/4409lbs DC 2 REEVES</p>	 <p>D8+ 2000kg/4409lbs DC 1 REEVE</p>	
	 <p>D8+ 250kg/551lbs LVC</p>	 <p>D8+ 500kg/1102lbs LVC</p>	 <p>D8+ 1000kg/2205lbs LVC</p>	 <p>D8+ 2000kg/4409lbs LVC 2 REEVES</p>	 <p>D8+ 2000kg/4409lbs LVC 1 REEVE</p>	
	 <p>SINGLE PHASE 250Kg</p>	 <p>SINGLE PHASE INVERTER 500Kg</p>				

## EXE CELL

### LC-FXA CONFIGURATION



#### LC-H2T CELL HOOK

##### KEY FEATURES

Load cell fully integrated into the hook plate assembly.  
Solid and robust – Built to withstand the rigours of touring.  
Easy to upgrade from a standard hook. Simply fixed in place using two bolts.  
Cable from load cell to display is routed inside the hoist for additional durability.  
No loss of headroom compared with external load cell systems.



#### LC-FXA WIRELESS CELL PANEL

##### KEY FEATURES

Wireless calibration of loadcell for easy setup without dismounting the hoist.  
Ultra-low profile, wall panel, robust, tamper proof design antenna.  
On/Off magnetic switch under the front panel for a high IP level. (the magnetic Reed is used to switch the cell module and radio transmission on and off and is independent of the hoist power supply).  
RGB LED status indicator.  
The Load Cell and Radio Module are powered with four C batteries to guarantee long lasting life (till several years)  
No tools are needed to access the batteries, all you need to do is unscrew the cap of the battery holders.  
Battery-saving smart transmission strategy: it transmits every second when the load change exceeds a configurable threshold, transmits less often when the load is stable keep on reading every second.  
The transmission automatically switches off in case of long inactivity to reduce battery consumption.



#### LC-FXA MAGNETIC KEY

##### KEY FEATURES

To ensure high IP protection, the radio module is not equipped with external mechanical switch. There is a magnetic switch which can be activated with the magnetic key. The switch is turned on or off by placing the key close to the centre of the front panel of the hoist.

## EXE CELL

### LC-FXA CONFIGURATION



MEDIUM FRAME



LARGE FRAME



EXTRA LARGE FRAME



#### LC-FXA GATEWAY

##### KEY FEATURES

The gateway receives the signals from the cells and sends them to a PC for local management of the system. At the next internet access, all data are sent from the PC to the Cloud Data Storage\* to be accessed by other devices.  
\* (function not yet available)  
PC connection via USB cable.  
ABS enclosure.  
Ultra-low profile, wall panel, robust, tamper proof design antenna.  
RGB LED for Power, backup battery charge, TX and RX.  
The maximum distance between hoists and the gateway is around 400 meters in line-of-sight. If longer ranges are required or large obstacles are placed in between, it is necessary to add one wireless repeater.  
Fully compatible with Fxa Wireless Load Cell System.



#### LC-FXA SOFTWARE

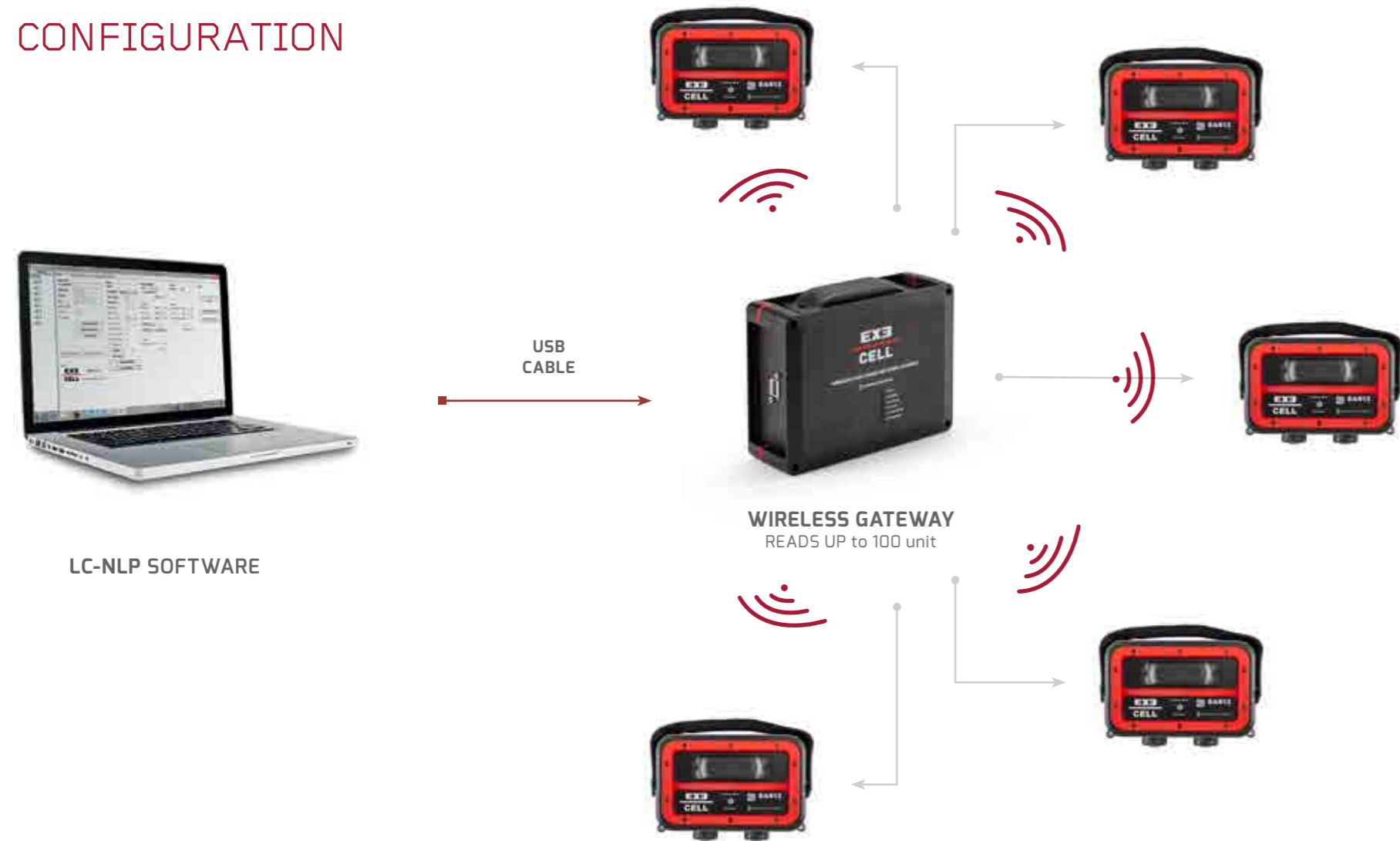
##### KEY FEATURES

User Interfaces allow creating multiple events at the same time.  
"Sectors" are created for each event, which in turn are divided into "zones."  
Each zone is populated with an indefinite number of hoists, EXE Smart Pins or Fxa Shackle Wireless Load Cells.  
Information is always available on the history of each hoist load cell, as well as the load graphs, battery charge values, radio signal quality and the date recommended for the next recalibration.  
Each sector, zone or hoist has its own interface page that can be opened individually or simultaneously with other pages on multiple screens.  
The overload and underload levels can be set by the operator.  
All tables can be downloaded in PDF, CSV, EXCEL format. If cloud storage\* is enabled, data can be shared, but parameters cannot be changed remotely. \* (function not yet available)

EXE  
CELL

FXA  
CONFIGURATION

CONFIGURATION



EXE  
CELL

FXA  
CONFIGURATION

CHAIN HOISTS COMPATIBILITY CHART						
	DIRECT CONTROL					
	<input type="checkbox"/> D8+	 + 	 + 	 + 	 + 	
		D8+ 500kg/1102lbs DC	D8+ 1000kg/2205lbs DC	D8+ 2000kg/4409bs DC 2 REEVES	D8+ 2000kg/4409bs DC 1 REEVE	
	LOW VOLTAGE CONTROL					
	<input type="checkbox"/> D8+	 + 	 + 	 + 	 + 	
		D8+ 500kg/1102lbs LVC	D8+ 1000kg/2205lbs LVC	D8+ 2000kg/4409lbs LVC 2 REEVES	D8+ 2000kg/4409bs LVC 1 REEVE	

# EXE DST

## DYNAMIC STACK TRACKS

FLEXIBILITY  
+ & STABILITY

Multi-purpose built-in rail systems with modules that can move LED screens, scenery and lights. They are easily used since they are modular and stackable for storage.

Several models are available, the 52 AND 66 version for heavyduty applications. The modules may be managed with the most common control systems on the market.

The possible movements are horizontal (right-left and left-to-right), vertical (up-down and down-up) and 360° rotation, clockwise and counter-clockwise (only in the 52 version).

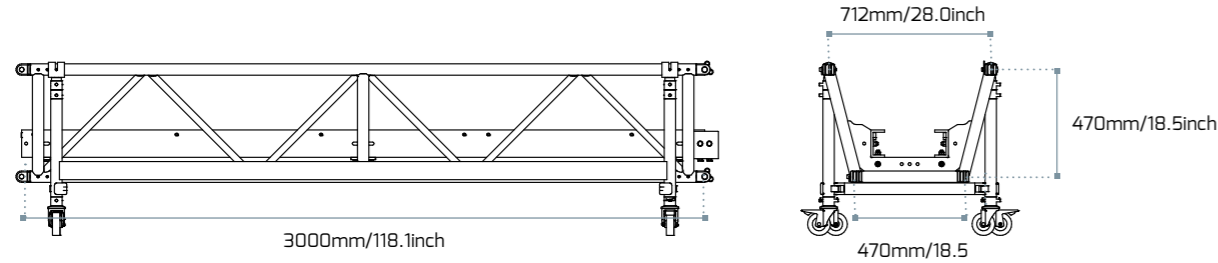
The systems can be used in various applications to **move**, **lift** and **turn** LED screens, scenery and projection screens for concerts and other events.

## EXE DST OVERVIEW

	DST 52	DST 66
TRUSSES		
MODULES	<div> <div>MOVE HORIZONTAL</div> </div> <div> <div>LIFT VERTICAL</div> </div> <div> <div>TURN 360° CONTINUOUS ROTATION</div> </div>	<div> <div>MOVE HORIZONTAL</div> </div> <div> <div>LIFT VERTICAL</div> </div>

EXE  
DST

DST 52  
DYNAMIC STACK TRACKS



LOAD TABLE / FORK CONNECTION

SPAN	UNIF. DISTRIBUTED LOAD			CENTRE POINT LOAD			THIRD POINT LOAD			QUARTER POINT LOAD			FIFTH POINT LOAD		
	point load	full load	central deflection	point load	full load	central deflection	point load	full load	central deflection	point load	full load	central deflection	point load	full load	central deflection
m	kg/m	kg	mm	kg	kg	mm	kg	kg	mm	kg	kg	mm	kg	kg	mm
3	1760	5290	2	4410	4410	3	2640	5290	3	1760	5290	3	1320	5290	3
6	725	4350	14	2180	2180	11	1640	3270	14	1090	3260	13	907	3630	14
9	315	2830	31	1420	1420	25	1070	2140	32	708	2120	30	591	2370	32
12	171	2050	56	1030	1030	45	777	1550	57	513	1540	53	429	1720	56
15	105	1570	87	784	784	71	597	1190	90	392	1180	83	329	1310	88
18	68	1230	125	616	616	104	472	945	130	308	924	120	259	1040	127
21	47	980	170	490	490	144	380	759	177	245	735	163	207	827	173
24	33	781	222	391	391	191	306	613	233	195	586	214	165	662	226
ft	lbs/ft	lbs	inch	lbs	lbs	inch	lbs	lbs	inch	lbs	lbs	inch	lbs	lbs	inch
9,8	1183	11662	0,1	9722	9722	0,1	5820	11662	0,1	3880	11662	0,1	2910	11662	0,1
19,7	487	9590	0,6	4806	4806	0,4	3616	7209	0,6	2403	7187	0,5	2000	8003	0,6
29,5	212	6239	1,2	3131	3131	1,0	2359	4718	1,3	1561	4674	1,2	1303	5225	1,3
39,4	115	4519	2,2	2271	2271	1,8	1713	3417	2,2	1131	3395	2,1	946	3792	2,2
49,2	71	3461	3,4	1728	1728	2,8	1316	2623	3,5	864	2601	3,3	725	2888	3,5
59,1	46	2712	4,9	1358	1358	4,1	1041	2083	5,1	679	2037	4,7	571	2293	5,0
68,9	32	2161	6,7	1080	1080	5,7	838	1673	7,0	540	1620	6,4	456	1823	6,8
78,7	22	1722	8,7	862	862	7,5	675	1351	9,2	430	1292	8,4	364	1459	8,9

CANTILEVER LOAD TABLE / FORK CONNECTION

SPAN	UNIFORMLY DISTRIBUTED LOAD			CENTRE POINT LOAD	
	q am.	q am.	defl.	F am.	defl.
3m/9.8ft	385 kg/m - 259 lbs/ft	1160kg / 2557lbs	4mm / 0.2inch	578kg / 1274lbs	6mm / 0.2inch
6m/19.7ft	86 kg/m - 58 lbs/ft	517kg / 1140lbs	18mm / 0.7inch	259kg / 571lbs	23mm / 0.9inch

The data listed in the above charts refer to the structural characteristics of the truss without the rail system modules.

DST 52  
STACKING TRUSS

The system consists of a 52 stacking truss provided with a double track and a foldable dolly. It is also available with a double track without a dolly.  
The system, which is modular and very easy to assemble, features a motorised, a slave and a rotation trolley. It is made in dark grey to absorb light, but other colours are available on request.

MAIN CHARACTERISTICS

Stackable  
May be brought on the stage with their dolly, which folds upward without the need of being stored when the truss works  
Easily assembled with the trolley which can be mounted even before rigging activities  
Accessories can be used on straihtg and curved tracks  
All trolleys can run on straight and curved tracks  
They can be used in various applications to move, lift and turn LED screens, scenery and projectable panels, such as like concerts and other events in general

Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9).

The values shown in the table are the allowable static loads that can be applied to the truss. The self weight of the truss has been taken into account when calculating the values in the table.

It should be noted that this are idealised loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

EXE  
DST

DST 52  
STANDARD TRUSSES

STK52R TRUSS



LITEC CODE	LENGTH (cm/inch)	WEIGHT (kg/lbs)
STK52R100	100/39.4	38,0/83.0
STK52R150	150/59.1	51,0/112.4
STK52R300	300/118.1	88,1/194.2

STK52RT TRUSS



LITEC CODE	LENGTH (cm/inch)	WEIGHT (kg/lbs)
STK52RT100	100/39.4	54,4/119.9
STK52RT150	150/59.1	69,9/154.1
STK52RT300	300/118.1	116,6/225.1

STK52RC TRUSS



LITEC CODE	LENGTH MIN (cm/inch)	RADIUS MIN (cm)
STK52RC	≤300/118.1	≥400/157.5

MOTORISED TROLLEY



<b>STK52MT</b>	<b>50 Hz</b>
<i>Self-Weight</i>	15,5 kg / 34 lbs
<i>Load Capacity</i>	600 kg / 1323 lbs
<i>Speed</i>	10,17 m/min / 33.4 ft/min
<i>Power</i>	0,25 kW
<i>Volt</i>	400 V
<i>Ampere</i>	0,91 A

<b>STK52MT3</b>	<b>50 Hz</b>
<i>Self-weight</i>	15,5 kg / 34 lbs
<i>Load Capacity</i>	600 kg / 1323 lbs
<i>Speed</i>	20,42 m/min / 67.0 ft/min
<i>Power</i>	0,37 kW
<i>Volt</i>	400 V
<i>Ampere</i>	1,05 A

<b>STK53MT4</b>	<b>50 Hz</b>
<i>Self-weight</i>	15,5 kg / 34 lbs
<i>Load Capacity</i>	600 kg / 1323 lbs
<i>Speed</i>	40,84 m/min / 134.0 ft/min
<i>Power</i>	0,37 kW
<i>Volt</i>	400 V
<i>Ampere</i>	1,05 A

MOTORISED ROTATION 360°



<b>STK52MR3</b>	<b>50 Hz</b>
<i>Self-Weight</i>	20 kg / 44 lbs
<i>Load Capacity</i>	900 kg / 1984 lbs
<i>Speed</i>	5,65 rpm
<i>Power</i>	0,25 kW
<i>Volt</i>	400 V
<i>Ampere</i>	0,91 A

SLAVE TROLLEY



<b>STK52MS</b>	
<i>Self-Weight</i>	7 kg / 15 lbs
<i>Load Capacity</i>	600 kg / 1323 lbs

CABLE CARRIAGE

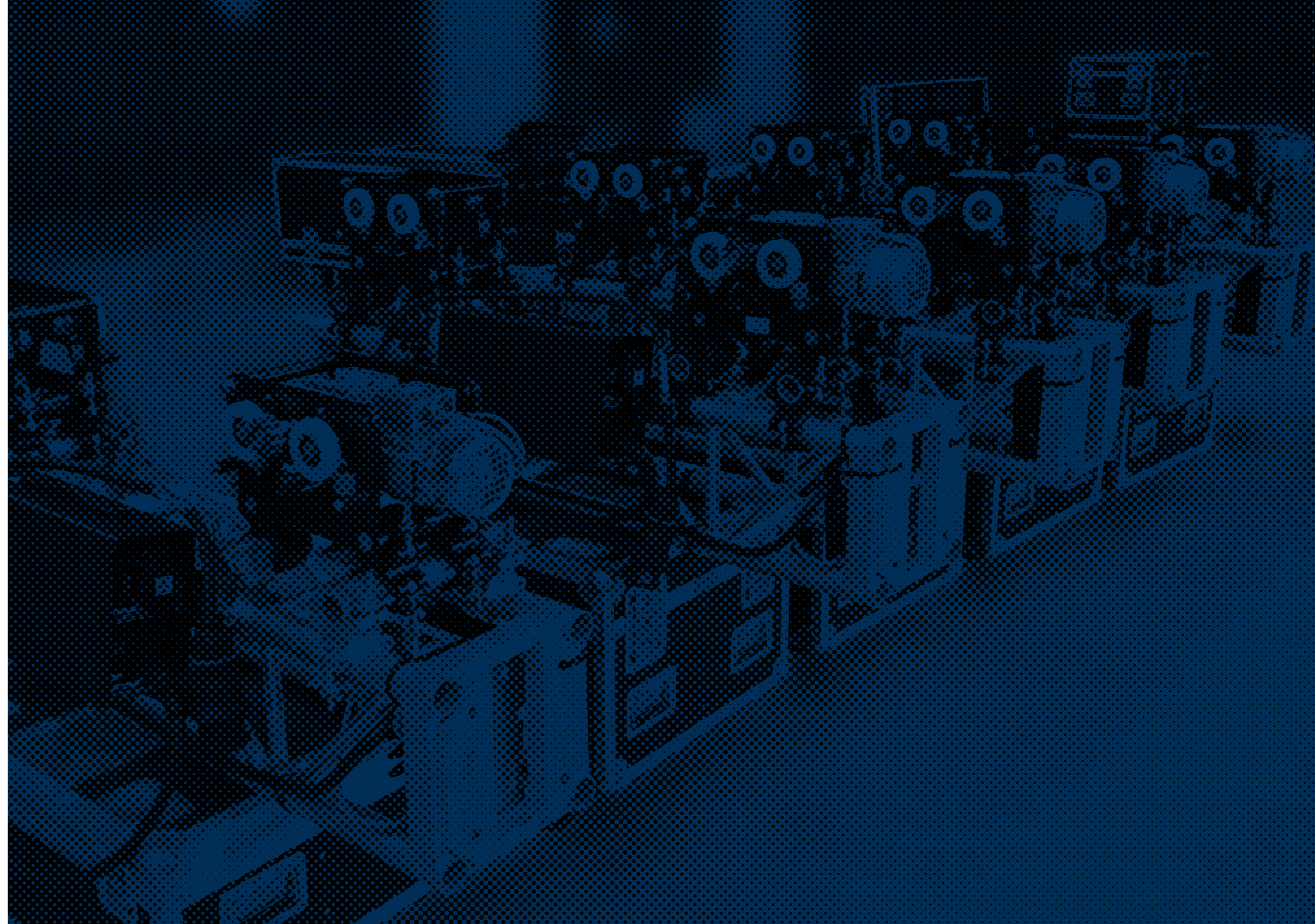


<b>STK52MC</b>	
<i>Self-Weight</i>	1,3 kg / 2.9 lbs
<i>Load Capacity</i>	100 kg / 220 lbs

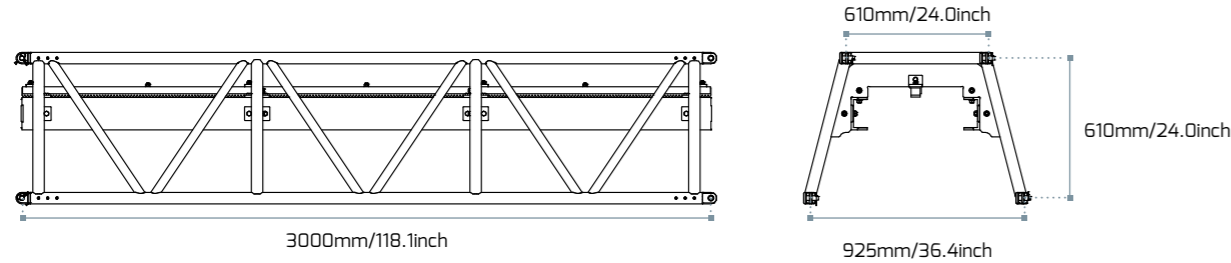
CABLE CARRIAGE WITH HINGE








<b>STK52MCH</b>	
<i>Self-Weight</i>	2,4 kg / 5.3 lbs
<i>Load Capacity</i>	100 kg / 220 lbs



DST 66  
DYNAMIC STACK TRACKS



LOAD TABLE / FORK CONNECTION

SPAN <i>m</i>	UNIF. DISTRIBUTED LOAD 			CENTRE POINT LOAD 			THIRD POINT LOAD 			QUARTER POINT LOAD 			FIFTH POINT LOAD 		
	point load <i>kg/m</i>	full load <i>kg</i>	central deflection <i>mm</i>	point load <i>kg</i>	full load <i>kg</i>	central deflection <i>mm</i>	point load <i>kg</i>	full load <i>kg</i>	central deflection <i>mm</i>	point load <i>1kg</i>	full load <i>kg</i>	central deflection <i>mm</i>	point load <i>kg</i>	full load <i>kg</i>	central deflection <i>mm</i>
3	1653	4960	1	3580	3580	1	2070	4141	1	1499	4499	1	1188	4748	1
6	805	4830	9	2459	2459	8	1516	3032	8	1150	3449	9	941	3765	9
9	445	4011	27	1821	1821	21	1164	2327	22	910	2731	24	764	3054	26
12	231	2779	49	1389	1389	41	913	1827	45	695	2085	47	579	2316	50
15	133	1987	78	994	994	66	722	1443	77	496	1490	75	414	1656	78
18	78	1416	113	707	707	99	531	1061	115	354	1061	109	295	1179	114
21	46	969	156	485	485	141	364	727	158	243	727	152	202	808	157
<i>ft</i>	<i>lbs/ft</i>	<i>lbs</i>	<i>inch</i>	<i>lbs</i>	<i>lbs</i>	<i>inch</i>	<i>lbs</i>	<i>lbs</i>	<i>inch</i>	<i>lbs</i>	<i>lbs</i>	<i>inch</i>	<i>lbs</i>	<i>lbs</i>	<i>inch</i>
9,8	1111	10935	0,05	7893	7893	0,05	4564	9129	0,05	3306	9920	0,05	2618	10468	0,05
19,7	541	10648	0,37	5421	5421	0,30	3342	6684	0,32	2535	7603	0,33	2074	8299	0,35
29,5	299	8843	1,08	4014	4014	0,81	2566	5131	0,88	2007	6021	0,94	1683	6733	1,00
39,4	155	6126	1,93	3063	3063	1,61	2014	4027	1,77	1533	4596	1,85	1276	5106	1,95
49,2	89	4380	3,05	2191	2191	2,61	1591	3182	3,03	1094	3286	2,94	912	3652	3,07
59,0	53	3122	4,45	1560	1560	3,90	1171	2339	4,53	780	2339	4,29	649	2600	4,49
68,9	31	2137	6,14	1070	1070	5,55	802	1602	6,22	535	1602	5,98	445	1782	6,18

The data listed in the above charts refer to the structural characteristics of the truss without the rail system modules.

DST 66  
STACKING TRUSS

The system consists of a 66 stacking truss provided with a double track.  
The system, which is modular and very easy to assemble, features a motorised, a slave.

MAIN CHARACTERISTICS

Stackable

They can be used in various applications to move, lift LED screens, scenery and projectable panels, such as like concerts and other events in general

Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9).

The values shown in the table are the allowable static loads that can be applied to the truss. The self weight of the truss has been taken into account when calculating the values in the table.

It should be noted that this are idealised loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

DST 66  
TRUSSES AND MODULES

STK66R TRUSS



LITEC CODE	LENGTH (cm/inch)	WEIGHT (kg/lbs)
STK66R300	300/118.1	142,5/314,2

MOTORISED TROLLEY



STK66MT	30m/min	36m/min
<i>Self-Weight</i>	76,9 kg / 169,5 lbs	<i>Self-Weight</i> 76,9 kg / 169,5 lbs
<i>Load Capacity</i>	900 kg / 1984 lbs	<i>Load Capacity</i> 900 kg / 1984 lbs
<i>Speed</i>	30 m/min / 98,4 ft/min	<i>Speed</i> 36 m/min / 118,1 ft/min
<i>Frequency</i>	50 Hz	<i>Frequency</i> 60 Hz
<i>Power</i>	1,1 kW	<i>Power</i> 1,3 kW
<i>Volt</i>	400 V	<i>Volt</i> 460 V
<i>Ampere</i>	2,7 A	<i>Ampere</i> 2,7 A
<i>Torque</i>	65 Nm	<i>Torque</i> 65 Nm
STK66MT1	60m/min	72m/min
<i>Self-Weight</i>	76,9 kg / 169,5 lbs	<i>Self-Weight</i> 76,9 kg / 169,5 lbs
<i>Load Capacity</i>	900 kg / 1984 lbs	<i>Load Capacity</i> 900 kg / 1984 lbs
<i>Speed</i>	60 m/min / 196,9 ft/min	<i>Speed</i> 72 m/min / 236,2 ft/min
<i>Frequency</i>	50 Hz	<i>Frequency</i> 60 Hz
<i>Power</i>	1,8 kW	<i>Power</i> 1,2 kW
<i>Volt</i>	400 V	<i>Volt</i> 460 V
<i>Ampere</i>	4 A	<i>Ampere</i> 4 A
<i>Torque</i>	54 Nm	<i>Torque</i> 54 Nm

END STOP



STK66MES
<i>Self-Weight</i> 14,7 kg / 32.4 lbs

CABLE CARRIAGE

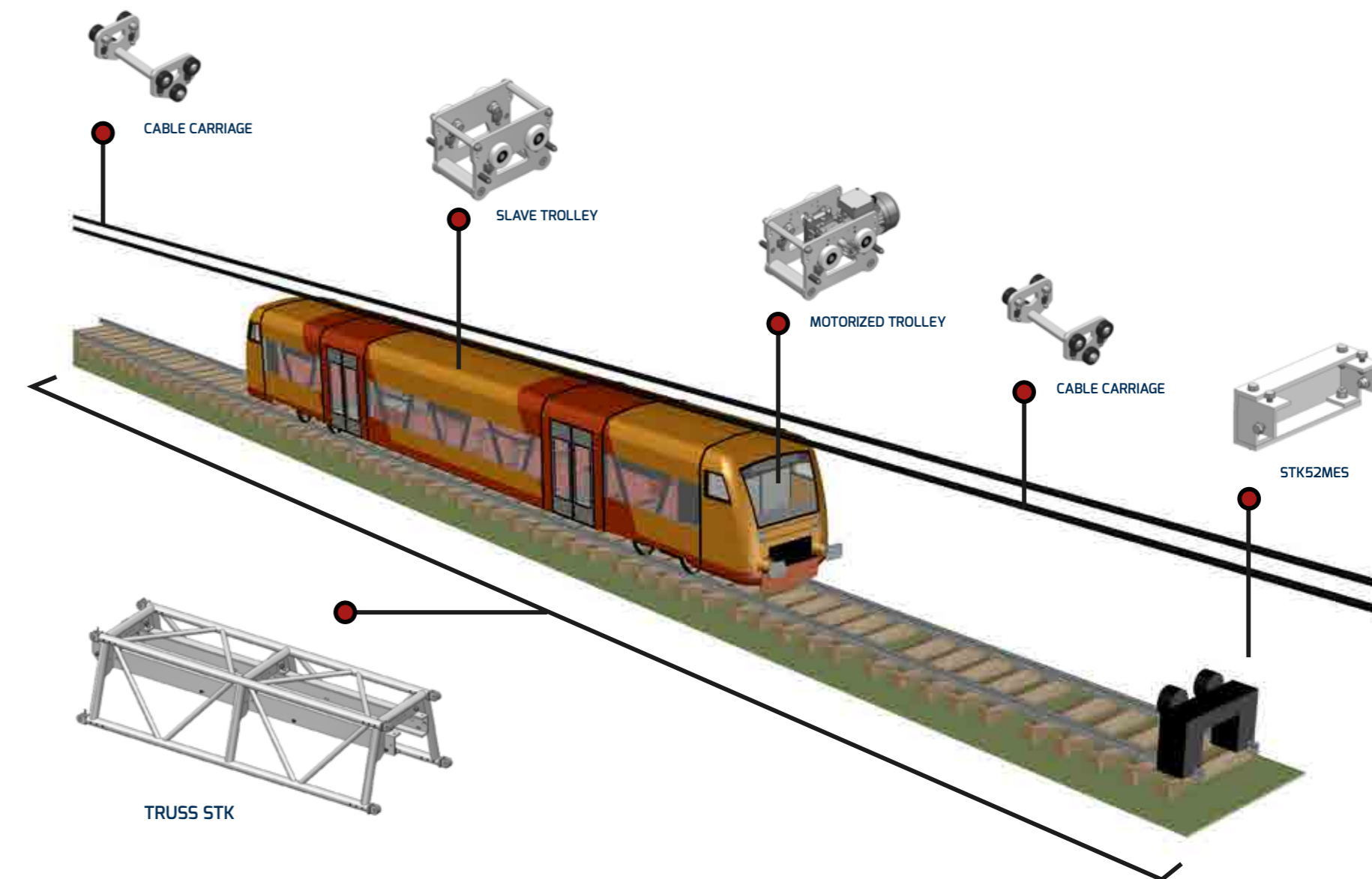


STK66MC
<i>Self-Weight</i> 1,9 kg / 4.2 lbs

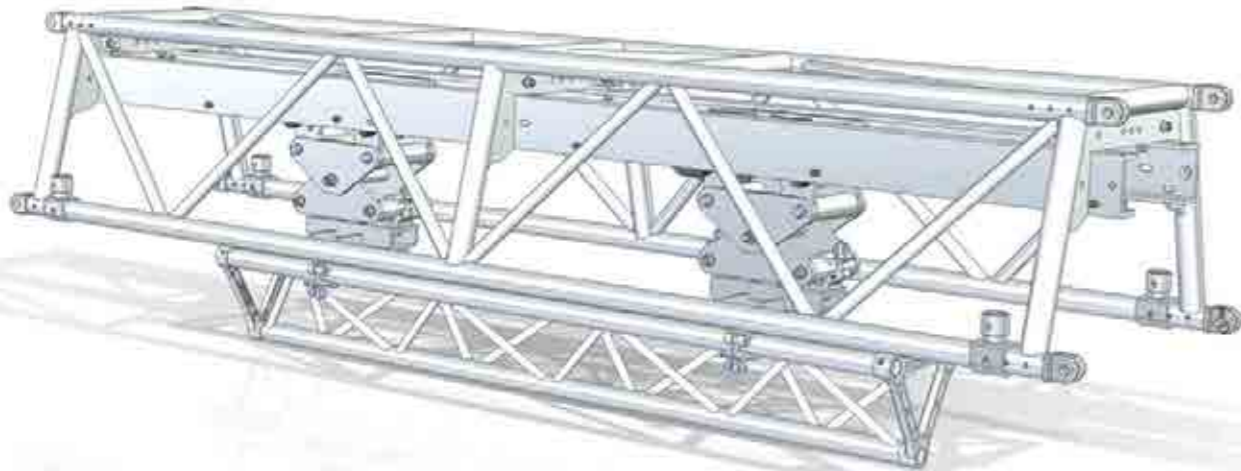
**EX3**  
**DST**

STK52  
CONFIGURATION  
CONCEPT

# CONFIGURATION



STK52  
MOVE

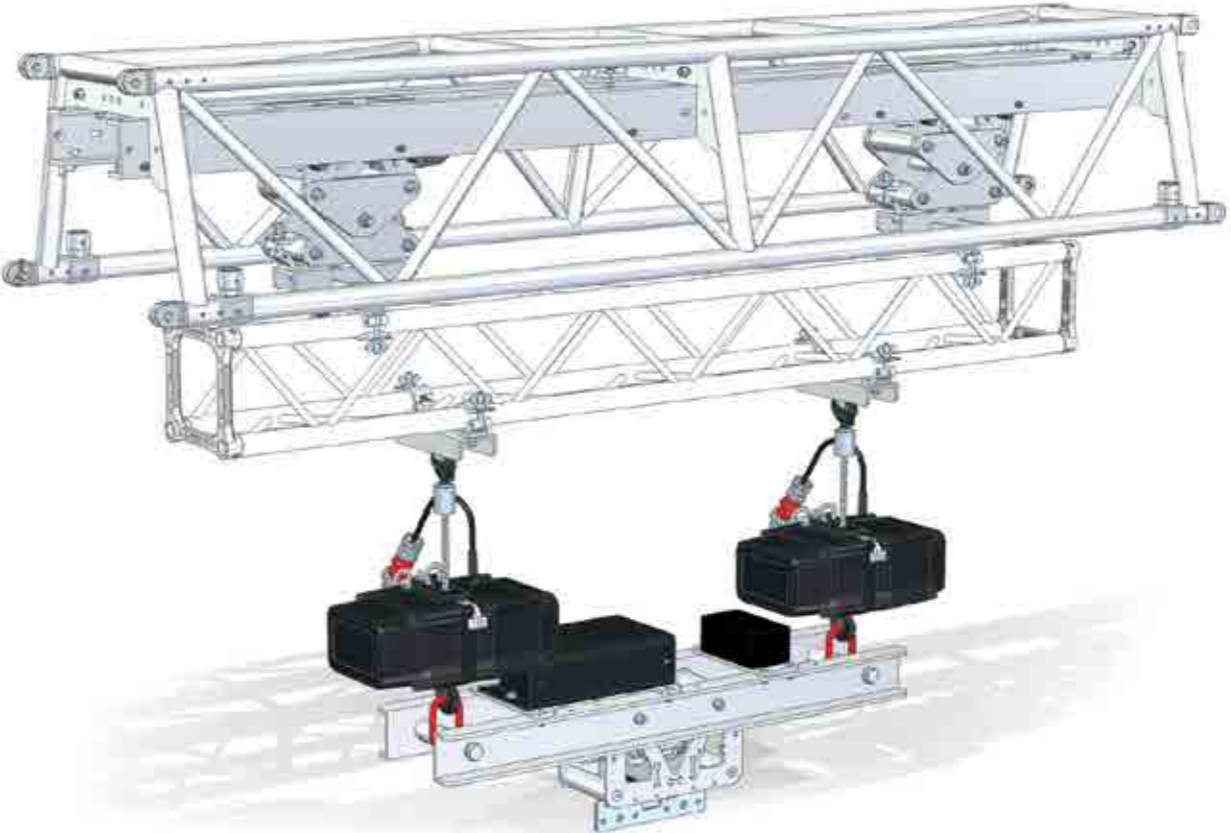


LEGEND

CONFIGURATION MOVE

	1x LT STK52R TRUSS
	1x LT STK52MT WLL 600kg Towing capacity 1800kg Speed @ 50Hz 10m/min
	1x LT STK52MS WLL 600kg
	2x LT STK52-K013
	2x LT C030Z5
	1x LT TH305A200

STK52  
MOVE + LIFT & TURN



LEGEND

CONFIGURATION  
MOVE + LIFT & TURN

	1x LT QX305A
	2x LT C030
	2x CHAIN HOIST
	1x LT STK52MAR
	1x LT STK52MR3 WLL 900kg
	1x LT STK52MR140Z1 TO JOIN WITH: Above • 2x • HOISTS Under • LT STK52MR3

**EX3**  
**DST**

STK52  
CONFIGURATION  
STANDARD

LT STK52R



LT STK52RZ2



LT STK52RC



LT STK52RT



LT STK52MES  
One each end



LT STK52MC  
Quantity variable



LT STK52MS  
WLL 600kg



LT STK52MT  
WLL 600kg  
Towing capacity 1800kg  
Speed @ 50Hz 10m/min



LT STK52MT3  
WLL 600kg  
Towing capacity 1200kg  
Speed @ 50Hz 20m/min



LT STK52MT4  
WLL 600kg  
Towing capacity 600kg  
Speed @ 50Hz 40m/min



LT STK52-K011  
Self balancing coupler  
for curve DST



LT STK52-K013  
Self balancing coupler  
for straight DST



LT C030Z5  
Truss  
coupler



LT STK52MST175  
WLL 1200kg



LT STK52MAR  
WLL 1200kg



LT STK52MURT  
Direct coupler for  
rotation module

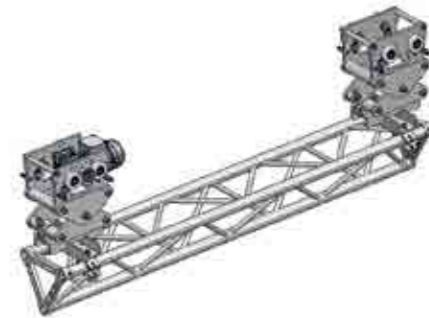
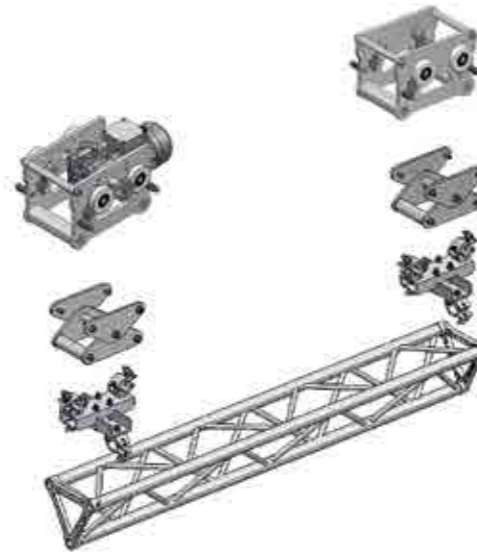


LT STK52MR3  
WLL 900kg

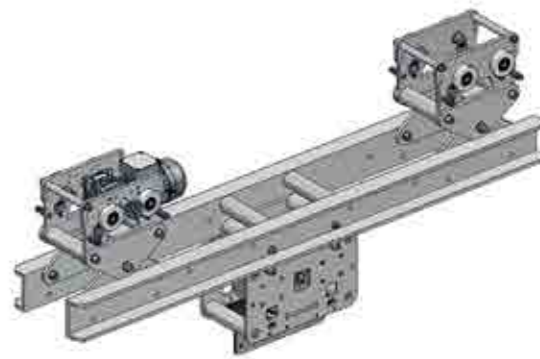
**EX3**  
**DST**

STK52  
CONFIGURATION  
STANDARD

EXAMPLE  
MOVE



EXAMPLE  
MOVE & TURN



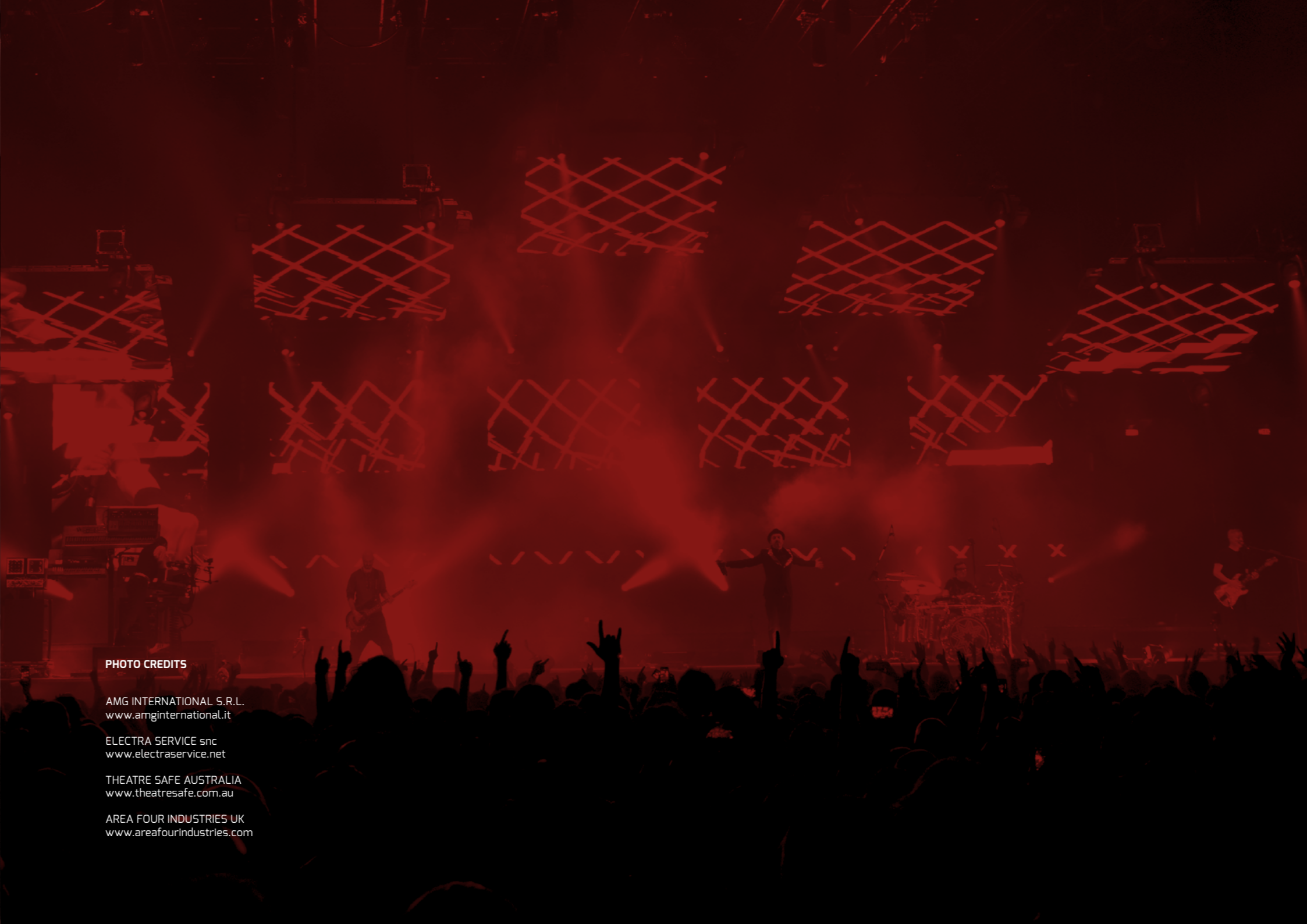


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