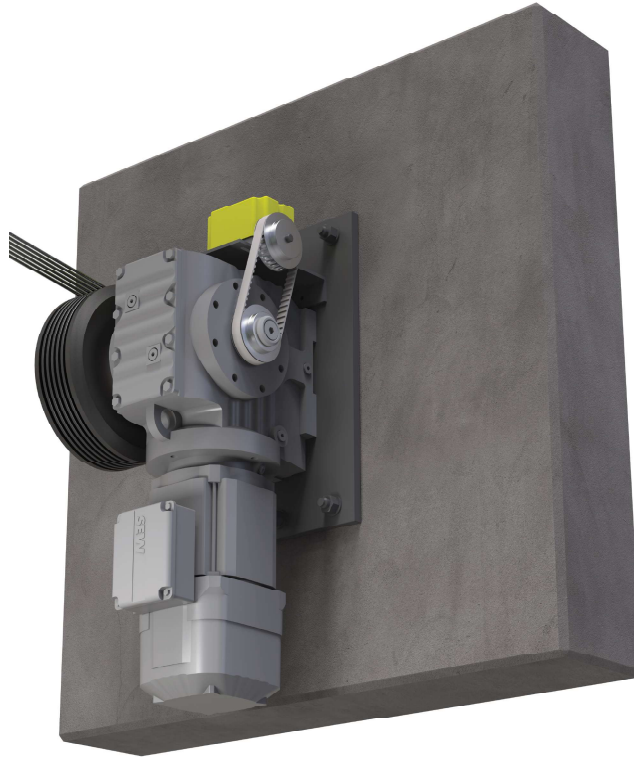




INSTALLATION THEATRICAL ENGINEERING



**IRREVERSIBLE GEARBOX
AS STANDARD**

THE NEXT GENERATION OF PILE WIND HOIST TECHNOLOGY

ELEVATE-2 (E2) PILE WIND HOIST

Simple, effective movement of stage elements.

INTRODUCTION

Revolutionize your productions with our revolutionized Pile Wind Hoist. Say goodbye to the large dual motor configuration and say hello to our reconfigured single motor, irreversible gearbox design. The E2 eliminates the need for two motors and independent brakes, freeing up valuable space, reducing control complexity and providing cost efficiency. The E2 features a new worm geared irreversible gearbox design and operationally redundant brake capable of braking 150% of the load. The E2 is ideal for motorizing lighting bars and other stage battens as it provides slow speed, precise control of loads up to 700kg as standard. With this new and improved design, linesets can be placed at 400mm centres when side by side or 200mm when positioned back to back. Embrace the future of safe and reliable stage hoisting and unlock limitless creative possibilities with our new and improved Elevate-2 Pile Wind Hoist.

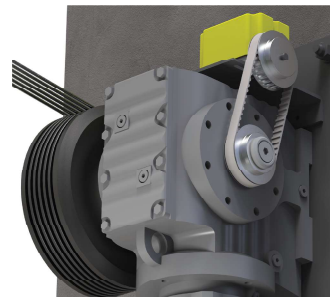
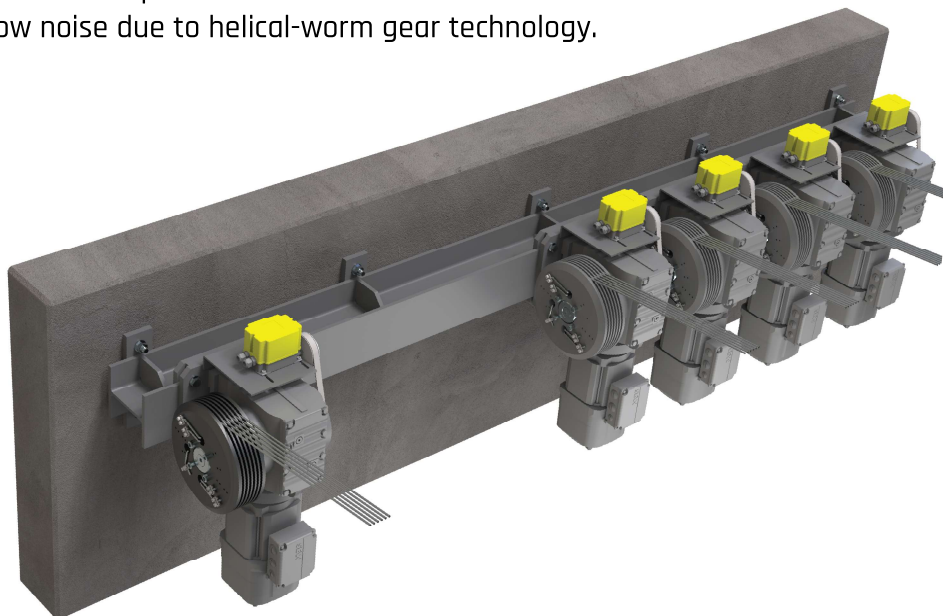
SAFETY

- Irreversible gearbox design as standard.
- 2x upper & 2x lower over travel rotary limits as standard.
- Slow Start & Stop reducing system shock load as standard.
- Thermal Overload Protection as standard.
- 5mm Steel Core Wire Rope as standard (7x19).
- Solid Steel drum shaft & side plates as standard.



CONVENIENCE

- Pile Wind technology designed specifically for slow speed and high load applications.
- Reduced hoist footprint due to single motor design.
- Modular design allowing for both horizontal and vertical mounting arrangements mounted from the hoist backbone.
- Transparent Perspex Cover allowing for quick and easy visual inspection of working components - optional.
- Multiple speed, load & travel options up to 700kg / 12m/min / 12m drift without mechanical customization as standard.
- Lubricated for life components.
- Extremely low noise due to helical-worm gear technology.



CONSTRUCTION & CERTIFICATION

All E2 Hoists are custom made in ITE's Port Melbourne workshop using Australian sourced materials.

TECHNICAL SPECIFICATION (ALL HOISTS)

Limits	Upper & lower operational limits, upper & lower over-travel limits fitted as standard Limits are rotary cam coupled to motor output shaft.
Brakes	Spring loaded electromagnetic fail safe brake - capable of braking 150% of load. Brake is engaged immediately following all controlled & uncontrolled stops
Variable Speed	Variable frequency drive & encoder allows for slow start and slow stop and quick re-activation of hoist without requiring a reference travel in the event of a power outage. Standard speeds up to 12m/min.
Motor Type	1.1kW Helical-Worm Gearmotor (500kg @ 8m/min)
Lift Lines	2-6 lift lines as standard (12m max drift inc. under & over travel)
Teachable Positions	Optional
Control Voltage	ELV
Over-current Protection	Fitted as standard
Slack Wire	Optional
Wire Rope	5mm - Machine swaged ends
Control	ELV & dead man control, lockable MCU, LED indicators all fitted as standard
Simultaneous Control	Optional
Safety and Guards	Transparent perspex - optional
Orientations	Horizontal, Vertical (backbone mounted)
Min Dead Turns	2
Design Life	10 years
E-Stop	At each control location as standard
Isolation	At each hoist location as standard
Footprint	600mm long x 450mm high x 365mm wide

POWER REQUIREMENTS

20A 3-Phase isolator is required at the control or motor location. Contact us for project specific power requirements.

OPTIONS

User Options

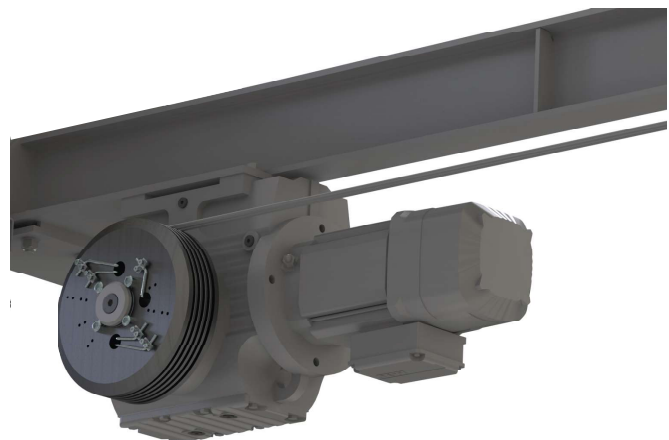
- Variable Speed
- Load & Position Monitoring
- Synchronized Movement of Hoists
- Scene Control

Control Options

- Group Control via custom pendant
- Group control via hand HMI
- Independent Control via simple pendant
- Additional 'at winch' control

Other Options

- Additional load, speed & travel options

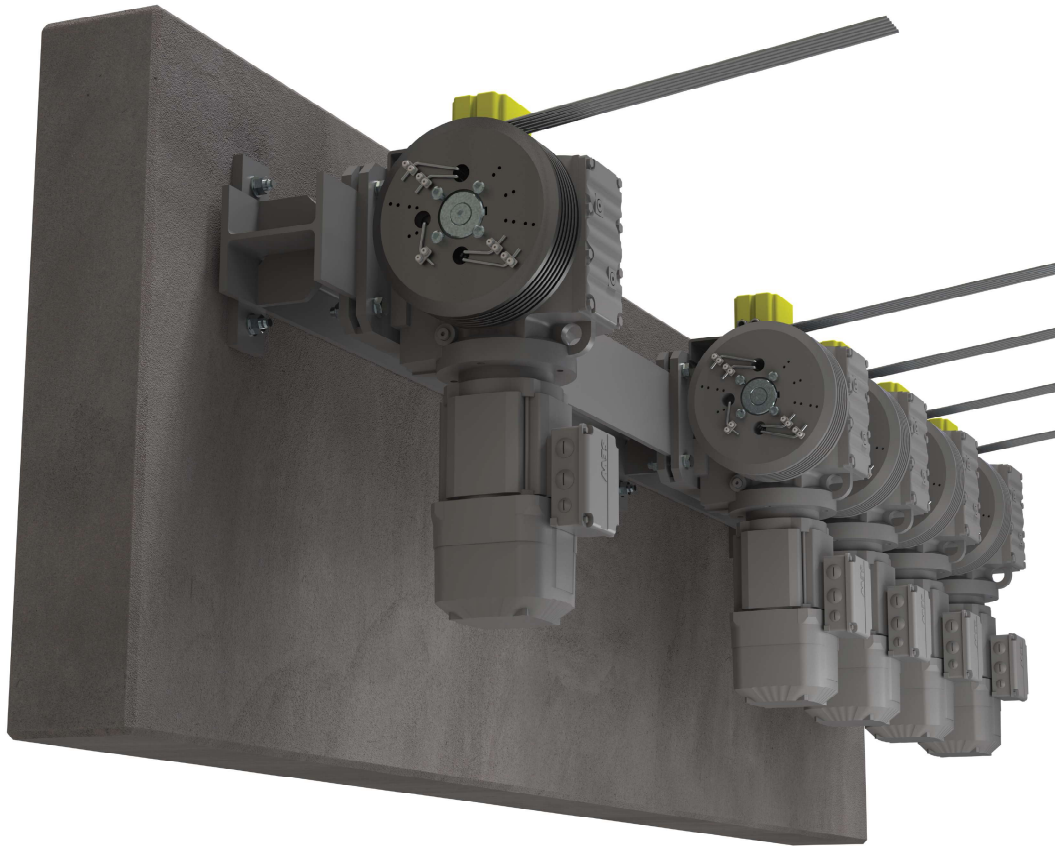


WARRANTY

2 Years Standard Parts & Labour



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