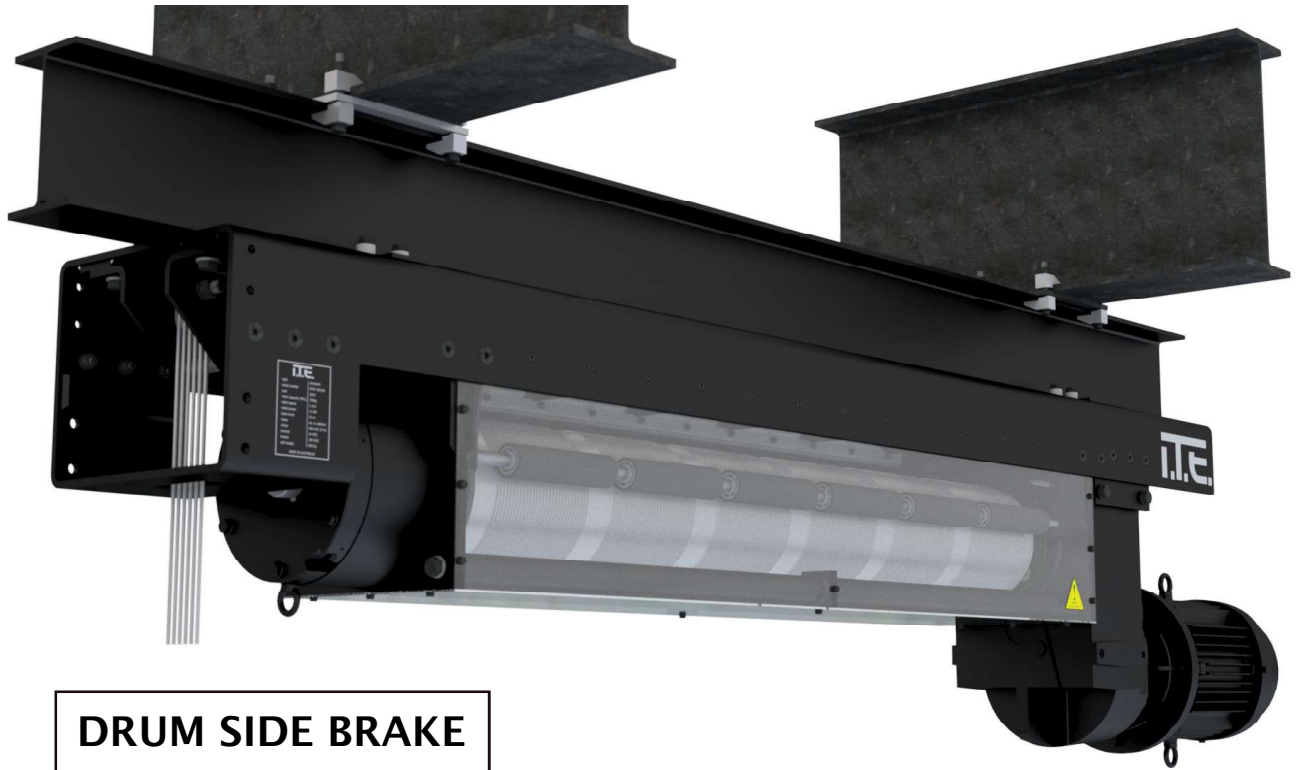




INSTALLATION THEATRICAL ENGINEERING



**DRUM SIDE BRAKE
AS STANDARD**

THE NEXT GENERATION OF ZERO FLEET HOIST TECHNOLOGY

INFINITY ZERO FLEET HOIST

Experience the future

INTRODUCTION

Revolutionize your productions with our cutting-edge Infinity Zero Fleet Hoist. Say goodbye to cumbersome counterweights and hello to streamlined efficiency. The Infinity eliminates the need for traditional counterweights, freeing up valuable space, reducing load-in time and reducing risk associated with traditional counterweights. The Infinity provides precise control, fast speed and is capable of suspending loads up to 700kg as standard. Embrace the future and unlock limitless creative possibilities with our world leading Infinity Zero Fleet Hoist.

All Infinity models are designed and engineered as to AS1418 - Cranes, Hoists & Winches.

SAFETY

- Redundant Drum Side Brake (Secondary) as standard.
- Operational & over travel limit switches as standard.
- Belt Sensing Switch as standard.
- Slow Start & Stop reducing system shock load as standard.
- Sprind Loaded Cross Groove Detection as standard.
- Thermal Overload Protection as standard.
- Fixed Chassis and new shaft sled design technology removes requirement for movement of body and hoist motor extending design life of all working components.
- Due to the slew design, shifting components are within the hoists protective cover only which is not possible with other moving motor designs.
- 6mm Steel Core Wire Rope as standard (7x19).



CONVENIENCE



- Zero fleet technology designed specifically for fast speed and high load applications.
- Reduced hoist footprint due to larger 220mm drum diameter
- Modular design allowing for both horizontal and vertical mounting arrangements mounted from the backbone or the hoist top.
- Improved fixed drum / moving sled design for reduced noise and added design safety.
- Transparent Perspex Cover allowing for quick and easy visual inspection of working components.
- Multiple speed, load & travel options up to 700kg / 1m/s / 17m without mechanical customization.
- Lubricated for life components.
- Smart control cabinet mounting design allows for a single bracket to suit all available configurations.

CONSTRUCTION & CERTIFICATION

All ITE Infinity Hoists are custom made in ITE's Port Melbourne workshop.

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	Dual spring loaded electromagnetic fail safe brakes - each capable of braking 140% of load. Brakes are engaged immediately following all controlled & uncontrolled stops
Variable Speed	Variable frequency drive & absolute 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 1m/s. 1.5m/s ² max acceleration / deceleration.
Motor Type	11kW 4P Parallel Shaft Helical Gearmotor (700kg @ 1m/s)
Lift Lines	2-6 lift lines as standard (17m max drift inc. under & over travel)
Teachable Positions	Optional
Control Voltage	ELV
Overcurrent Protection	Fitted as standard
Overload Protection	Fitted as standard
Load Cell	Optional
Slack Wire	Fitted as standard
Wire Rope	6mm 7x19. Machine swaged ends. Minimum SF 5:1.
Control	ELV & dead man control, lockable MCU, LED indicators all fitted as standard
Simultaneous Control	Optional
Safety and Guards	Transparent perspex as standard
Orientations	Horizontal, Vertical (both top & 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	2950mm long x 750mm deep x 380mm wide (not inc. optional backbone beam)

POWER REQUIREMENTS

Generally, 20A 3-Phase isolator is required at each 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

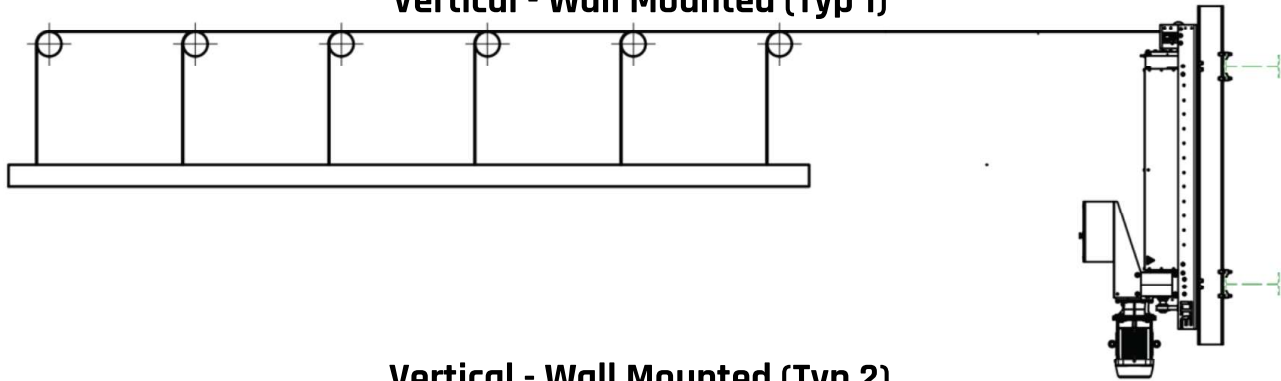
WARRANTY

2 Years Standard Parts & Labour

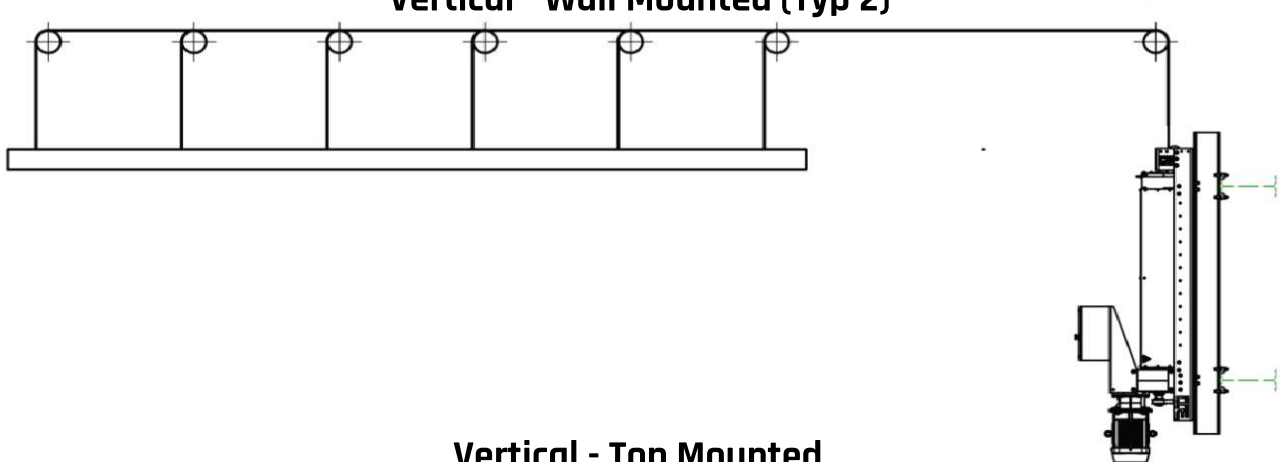


HOIST MOUNTING OPTIONS

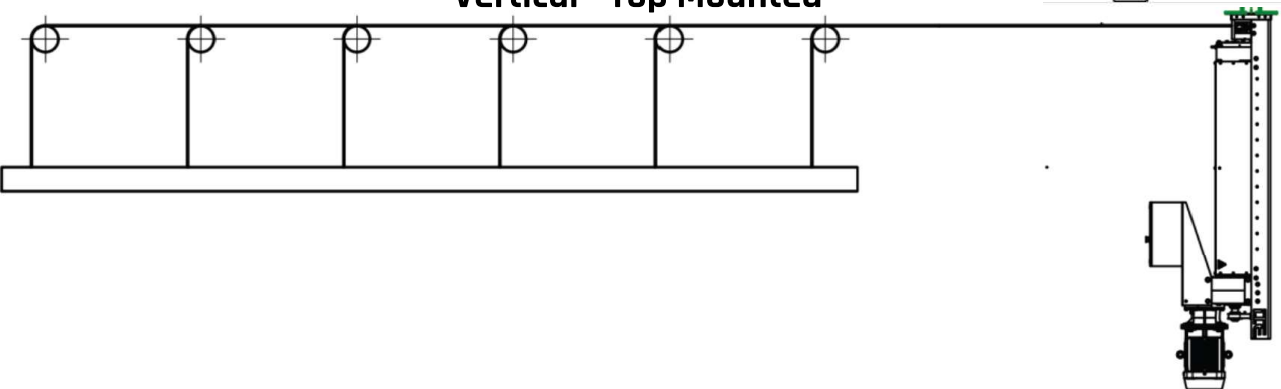
Vertical - Wall Mounted (Typ 1)



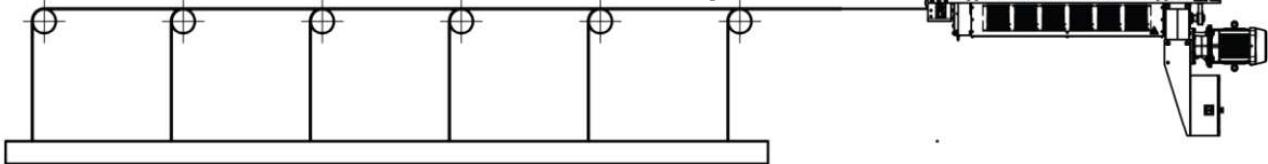
Vertical - Wall Mounted (Typ 2)



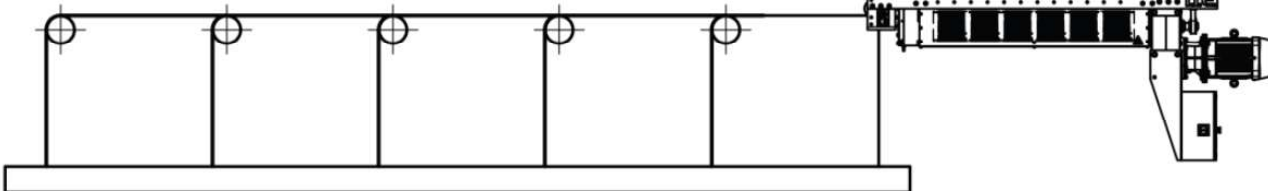
Vertical - Top Mounted



Horizontal (Typ 1)



Horizontal (Typ 2)





INSTALLATION THEATRICAL ENGINEERING



CONTACT US



816 Lorimer Street Port Melbourne VIC 3207



+61 3 9646 0822



www.ite.net.au



info@ite.net.au