



INSTALLATION THEATRICAL ENGINEERING



VARIABLE SPEED & POSITIONING
AS STANDARD

THE NEXT GENERATION OF THEATRE DRAPERY AUTOMATION

ENCORE-INTERMEDIATE (E-I) CURTAIN MOTOR

Simple, effective & reliable curtain automation.

INTRODUCTION

The Encore-Intermediate (E-I) Curtain Motor is ITE's flagship motorised curtain system, designed specifically for professional theatrical drapes. It combines variable speed functionality, precise positioning, and integrated fault diagnostics as standard – delivering smooth, reliable, and intelligent curtain movement for performance venues of all sizes.

Engineered for durability and accuracy, the Encore-Intermediate is suitable for curtains up to 100 kg total weight, providing consistent, smooth operation with advanced safety and monitoring features built in. This system represents the perfect balance between power, precision, and control – setting the industry benchmark for automated stage drapery systems.

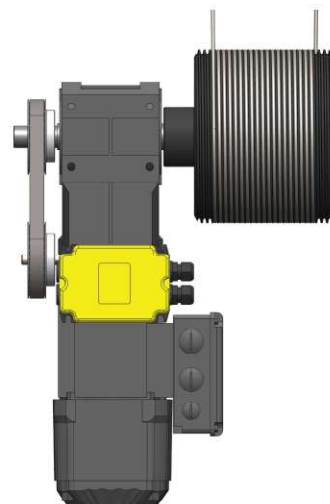
SAFETY

- Single-brake helical-bevel gearmotor with integrated encoder for precise speed and position control.
- 2× upper and 2× lower over-travel rotary limits fitted as standard for enhanced safety and reliability.
- Slow start and stop control to reduce mechanical shock and extend system lifespan.
- Thermal overload protection built in to safeguard the motor during continuous operation.
- 3 mm steel core wire rope (6×19 construction) supplied as standard for strength and flexibility.
- Solid steel drum shaft ensures stability and long-term durability under dynamic loads.
- Fully compatible with ITE's Encore Control System for synchronised, intelligent multi-axis operation.



CONVENIENCE

- Grooved drum technology engineered for high load and speed applications up to 100 kg / 1.2m/sec as standard.
- Drives bi-parting curtain systems up to 22 m wide with smooth, precise, and repeatable movement.
- Integrated variable speed control with soft start/stop for gentle, accurate operation.
- Intelligent positioning and fault diagnostics for advanced monitoring, protection, and reliability.
- Modular design allows flexible wall, floor, or overhead mounting configurations.
- Lubricated-for-life components ensure long-term durability and minimal maintenance.



CONSTRUCTION & CERTIFICATION

All E-I Curtain Motors are made in ITE's Port Melbourne workshop using Australian sourced materials.

TECHNICAL SPECIFICATION (STANDARD)

Limits	Open & close operational limits, open & close over-travel limits fitted as standard Limits are rotary cam coupled to motor output shaft.
Brakes	Single fail safe brake. 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 1.2m/sec.
Motor Type	0.37kW Helical-Bevel Gearmotor (800mm/sec)
Teachable Positions	Standard
Control Voltage	ELV
Over-current Protection	Fitted as standard
Wire Rope	3mm - 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
Design Life	10 years / 400h
E-Stop	At each control location as standard
Isolation	At each hoist location as standard
Footprint	300mm long x 400mm high x 300mm wide

POWER REQUIREMENTS

Single or 3-phase isolator is required at the control or motor location. Contact us for project specific power requirements.

OPTIONS

User Options

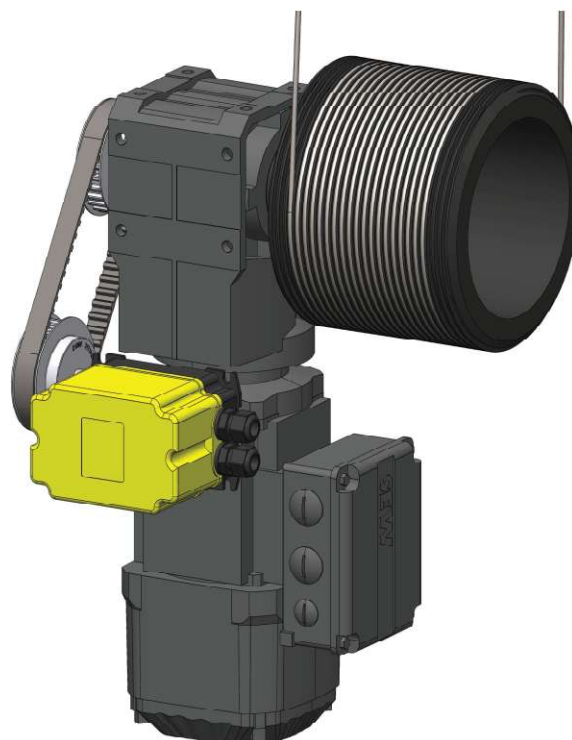
- Variable Speed
- Position Monitoring
- Synchronized Movement of Systems
- Scene Control
- Control via AV System

Control Options

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

WARRANTY

2 Years Standard Parts & Labour





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