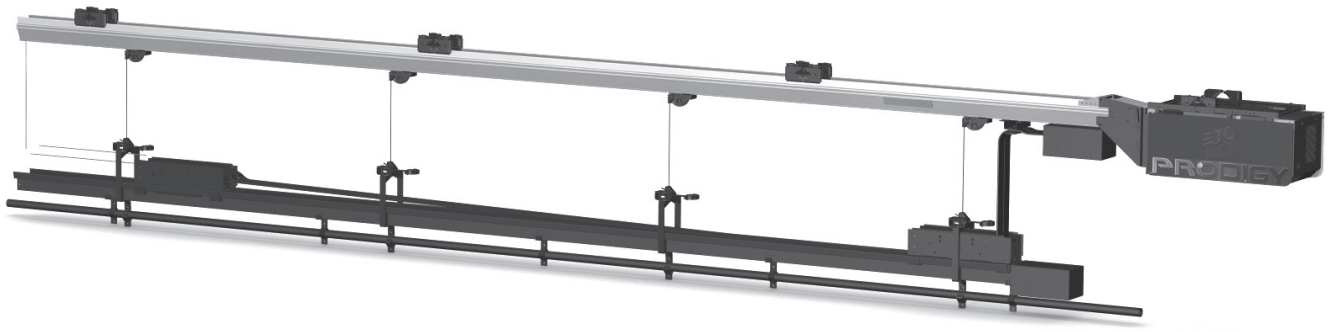
ETC® P650E Fixed Speed Stage Electric

Prodigy™ Low Profile Hoist Series



GENERAL INFORMATION

APPLICATIONS

Prodigy Low Profile Hoists provide a simple, low cost way to lift heavy lights for storage or for production. The Prodigy P650E is especially useful for front of house where the extremely low profile of the system allows the hoist and cable management system to disappear into the plenum in the smallest space requirement in the industry. This hoist can be used for front-of-house and on-stage lighting including gymnatorium, multi-purpose rooms and showrooms.

These hoists resolve space and access challenges for schools, night clubs, houses of worship and other places where there is no means to access lighting above the stage or audience. With motorized hoists, it will not be necessary to climb ladders or scaffolds to install or service the lighting. Instead, the motorized battens can be lowered to working level and allow workers to easily install and service equipment that can be raised to their performance or storage positions high above the auditorium stage floor.

ETC Prodigy hoists are manufactured in a family of sizes and capacities from house light hoists up to systems designed to carry heavy loads.

FEATURES

- LIGHT WEIGHT: Powerhead weighs less than 395 pounds
- SMALL SIZE: Powerhead is only 14 1/2" high x 47 1/2" long x 16" wide
- COMPACT CABLE MANAGEMENT SYSTEM: Front of house and stage electrics hoists store in 30" of height yet can feed up to 48 20 Amp circuits
- TRUE LIFTING CAPACITY: Hoists are rated by their working load limit in standard configuration, the amount of weight that can be suspended from the batten
- UNIQUE PRODIGY HYBRID DRUM: Powerhead manages up to 7 liftlines plus one operational line for cable management in a machine 1/3 the size of other hoists
- FAIL-SAFE MOTOR BRAKE AND PRODIGY LOAD BRAKE: Two independent braking systems assure safe overhead lifting
- HIGHER DUTY CYCLES: Minimal braking pressure significantly reduces brake pad temperature and increases duty cycle of the hoist
- DMX or Ethernet data wiring available

GENERAL INFORMATION

- BUILT-IN LIMIT SWITCHES AND ENCODERS: With visual setting indicators for more efficient installation
- MID-TRAVEL PRESET POSITION: A third stop-position that is re-settable by the user
- COMPRESSION TUBE: Channel snaps in place to interface with facility structure and neutralize additional lateral forces on the building
- BUILT IN SLACK LINE DETECTOR: Standard on all hoists
- BUILT IN LOAD PROFILING: Standard on all hoists
- RIGHT ANGLE CABLE ADJUSTER (RACA): Unique trim clamp saves up to 14" of building height and allows greater batten travel. The RACA permits rapid trim adjustment even under load
- BUILT TO PLASA/ANSI STANDARDS: motorized hoist (draft) standards
- UL LISTED

BENEFITS OF PRODIGY HOISTS

- Light weight – less load on the building and easier to install
- No additional lateral forces imposed on the building – lateral forces neutralized in the compression tube
- Anywhere-positioning of loft blocks along compression tube so lift line placement is not dependent on building structural layout
- May be attached to almost any structure that can support the weight of the hoist + lifted load, such as bar joists
- Programmable QuickTouch® Control Panel with LCD readout of hoist "name," hoist function and loading profile as well as operational status, preset position and current load
- Easy limit switch adjustment with visible LED light indicators
- Low noise operation
- Prewired connector strip for up to 48 20 Amp circuits with up to 2 DMX or a CAT5 outlet
- Connector strip also works as a cable tray and roller guide system to manage flat feeder cable

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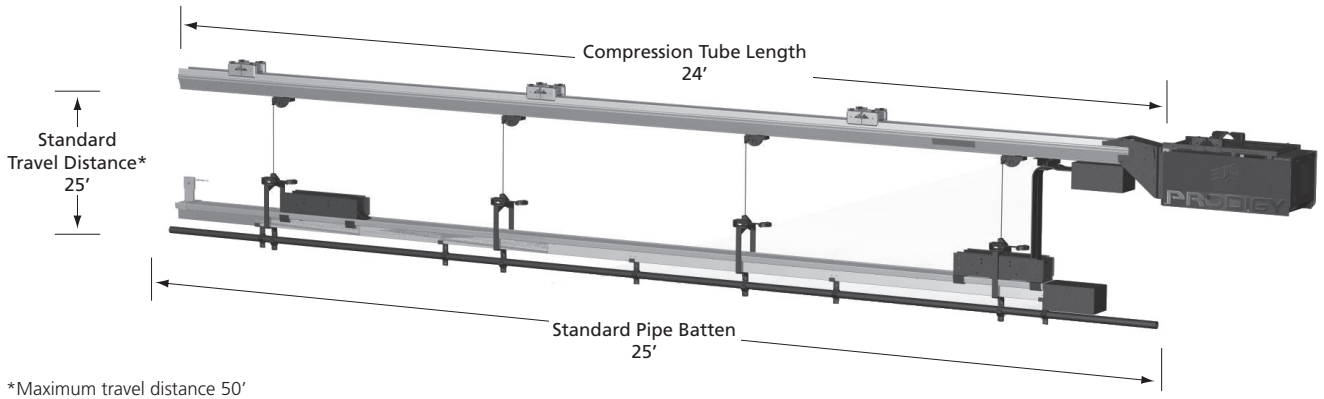
HOIST STANDARD CONFIGURATION P650E



*Maximum travel distance 50'

STANDARD SAFETY FEATURES

- Load Profiling – Senses load change variances
- Dual Braking System – A Primary Load Brake and a Motor Brake
- Limit Switches – 1 Top limit plus top overtravel limit switch
  1 Bottom limit plus bottom overtravel limit switch
- Slack Line Detection – Standard equipment. Slack line detection of lifting line will shut the system down should any line become slack
- Built-in Load cell – Standard equipment to provide continuous load profiling and monitoring

HOIST OPTIONS

P650E STAGE ELECTRIC FIXED SPEED HOIST	
Batten length	Up to 76'
Travel distance	Up to 50'
Number of Circuits	Up to 48 20 Amp circuits
DMX Outlets	Up to (2) outlets
CAT 5E	Up to (2) outlets

STANDARD CONFIGURATION:

WEIGHT DATA					CIRCUIT INFORMATION			MOUNTING HARDWARE		
WLL	Wt Moving Parts	Wt Fixed Parts	Total Lifting Cap	Dynamic Load	Circuits	Outlets	DMX/CAT5E	Cable Size	# Beam Clamps	# Lift Lines
*650lbs	289lbs	535lbs	940lbs	1.2G	12	12	1/1	3/16"	3	4+1 Cable

*Working Load Limits are based on standard configuration

COMPRESSION TUBE MOUNTING INFORMATION			
Beam Clamp Locations	Tube Weight	Min Qty of Beam Clamps Required	Standard Mounting Brackets Available for
Max spacing 14' O.C.	3.5lb /ft	1 at Powerhead + 1 @ 14' O.C. max spacing	W-, S-, or I-Beam / Bar Joist / Unistrut*

*Must be capable of supporting the load

LOADING INFORMATION (LIFT LINE PLACEMENT)						
Loading	Min Load Per Line	Max Load Per Line	Loft Block Locations			# of Lift lines Available
Distributed load over the length of the batten	25lbs per line	420lbs	4ft minimum loft block spacing	4 ft min distance from the Powerhead or mule block with first lift line 1" from Powerhead nose	12' max spacing of loft blocks with 1.5" sch 40 pipe batten	7+1 cable management operating line

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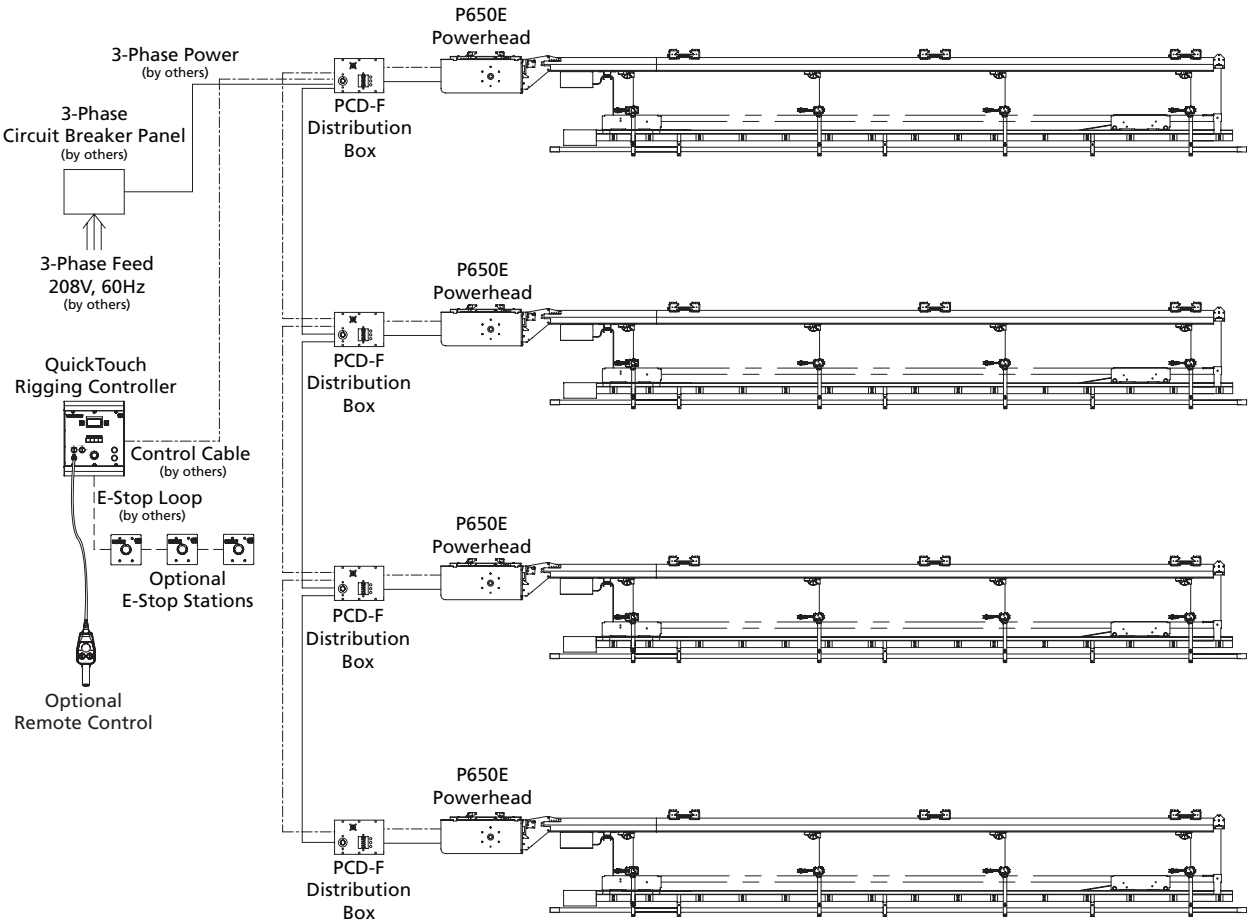
HOIST STANDARD CONFIGURTATION

ELECTRICAL INFORMATION						
Product	Speed	Line Voltage	Horse Power	Motor Inrush Current	Motor Operating Current	Motor Operating Temperature Range
P650E	30fpm	3-phase, 208V / 60Hz	1.5HP	16.8 Amps	5.0 Amps	40˚F to 104˚F 4.5˚C to 40˚C

PRODIGY SYSTEM RISER



——— Power Cable, 3 Phase + Ground

—·—·— Control Cable, CAT5e or better

– – – – E-Stop, CAT5e or better

Power cord from Powerhead to PCD – 8’0”

Data cord from Powerhead to PCD – 8’0”

Remote control device cord – 30’0”

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PRODIGY FAMILY OF HOISTS

Model #	Speed	Working Load Limit (Standard configuration)	Batten length	Voltage	20 Amp Circuits
VARIABLE SPEED					
V1000	0-180 FPM	1000lbs	Up to 76'	480V. 3ø	no circuits
ELECTRIC BATTENS					
P650E	30 FPM	650lbs	Up to 76'	208V. 3ø	Up to 48
P1000E	30 FPM	1000lbs	Up to 76'	208V. 3ø	Up to 48
P1500E	30 FPM	1500lbs	Up to 76'	208V. 3ø	Up to 48
GENERAL PURPOSE					
P800G	30 FPM	800lbs	Up to 76'	208V. 3ø	no circuits
P1300G	30 FPM	1300lbs	Up to 76'	208V. 3ø	no circuits
P1900G	30 FPM	1900lbs	Up to 76'	208V. 3ø	no circuits
HOUSELIGHT HOIST					
P-HLT	30 FPM	250lbs	Up to 105' houselight trough	208V. 3ø	Up to 8

RIGGING CONTROL

FOUNDATION FOR VARIABLE SPEED	
Foundation	Forty-eight channels
QUICKTOUCH FOR FIXED SPEED	
Quicktouch 1	Single channel
Quicktouch 4	Four channels
Quicktouch 8	Eight channels
Quicktouch 12	Twelve channels
Quicktouch 24	Twenty-four channels

WARNING

Only trained persons shall operate or maintain this equipment

Improper operation or maintenance may cause serious injury or death

Read and understand operations manual before use

Disconnect power before servicing this equipment

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