

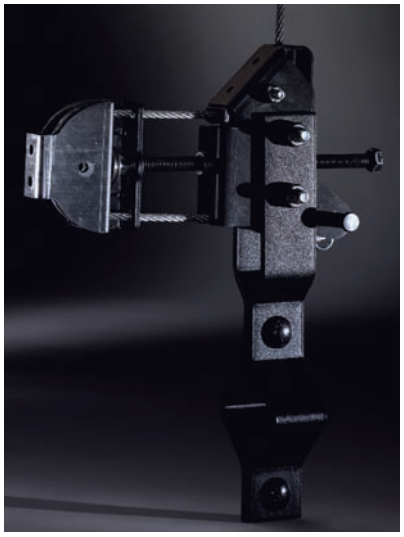


ETC Rigging™ Product Guide 2013

PRODIGY® | QUICKTOUCH® | QUICKTOUCH+™ | FOUNDATION™

Why automated rigging?

To raise and lower stage equipment safely and efficiently.

Suspending and moving theatrical lighting, scenery, orchestra shells, and curtains overhead is the nature of today's stage productions. Rather than your staff having to risk climbing ladders to install equipment on dead-hung pipes — new motorized hoists now make it easier to 'set your stage.'

The old overhead lifting systems — like counterweights — present hazards that can be life-threatening. Manual rigging requires human effort and strength to move, slow down, or stop a line set so that it stays in place, doesn't smack the floor, crash into scenery, or knock someone down. Manual rigging is often operated by novice workers who may only have limited understanding of the risks involved. Non-motorized systems are only as good as the physical strength of the crew — or the system's capability to add more and more weight to counterbalance the line sets. It is all too easy to overload a rig, leaving dangerous — even deadly — weights suspended unchecked overhead. ETC Rigging is the solution.

ETC Rigging is safer and more efficient:

- With a push of a button, one person can raise or lower several line sets at one time, cutting down on labor and cost.
- Lifted loads will never be out of balance. Motorized hoists can lift loads up to their maximum capacity; they cannot lift overloaded line sets because a motor will stall when it attempts to lift an excessive load.
- Every ETC hoist has a brake directly attached to the cable drum. This prevents loss of control of the load in the event of a gearbox failure.
- ETC's automated rigging ensures consistent rates of travel every time a cue is run.
- ETC's automated rigging ensures repeatable performance of each motorized hoist at both high or low trim, and high or low speeds.
- ETC's automated rigging always stops the load at precise programmed trim positions.
- ETC's automated rigging systems are managed by intelligent controllers that include preset stop positions, slack-line sensing and load-profiling.
- ETC's QuickTouch®, QuickTouch+™ and Foundation™ controllers limit the number of hoists that operate at one time so the building structure is not overloaded as a result of emergency stops or other shock loading.

ETC Prodigy® hoists, plus QuickTouch, QuickTouch+ and Foundation control result in a safer theater!

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ETC RIGGING™

Prodigy® Hoists

Prodigy General Purpose Hoists

- Standard configuration hoist capacities: 800-1900 pounds WLL*
- Fixed speed: 30 feet per minute
- Motor capacities: 900-2000 pounds

Prodigy Electrics Hoists

Includes Prodigy Cable Management

- Standard configuration hoist capacities: 650-1500 pounds WLL*
- Fixed speed: 30 feet per minute
- Motor capacities: 900 to 2000 pounds

Prodigy Houselight Hoists

Includes Prodigy Houselight cable-management and lighting troughs

- Any Prodigy fixed-speed General Purpose hoist may be used as a houselight hoist by adding Prodigy Houselight Cable Management
- Fixed speed: 30 feet per minute
- Motor capacities: 900-2000 pounds

Prodigy Variable-Speed Hoists

- Standard-configuration hoist capacity: 1000 pounds WLL*
- Speed range: 0-180 feet per minute
- Motor capacity: 1200 pounds at maximum speed

Prodigy EXO Hoists

- Rigging that adapts to almost any building
- Installs underhung, upright and vertically
- Lifts from 900 to 2000 lbs
- All Prodigy Fixed-Speed Hoists are available with 208V or 480V motors, variable-speed hoists are available in 480V

Safety features on all ETC Rigging systems:

- Built-in load cells that provide continuous load monitoring and profiling to sense load variances and to protect performers, stage workers, and equipment, as well as the facility, from potentially dangerous overload or underload conditions
- Dual-braking system that includes a primary load brake and motor brake operating via two separate means of activation to ensure maximum safety
- Slack-line detection that shuts down the system should any lift line become slack
- Limit switches:
  One top end-of-travel limit switch plus a second over-travel limit switch
  One bottom end-of-travel limit switch plus a second over-travel limit switch

*WLL – the amount that can be suspended from the batten and lifted by the hoist in standard configuration

QuickTouch® Controls

- Designed to interface with ETC Rigging fixed speed hoists
- Five models based on channel count: 1, 4, 8, 12, and 24

QuickTouch+™ Controls

- Control of fixed and variable-speed hoists
- Storage of three trims and two limits per hoist
- Four models with channel counts of 4, 8,12,24

Foundation™ Controls

- Fixed and variable-speed control of Prodigy Hoists
- Up to 48 hoists controlled by one machine
- Only two Cat5e cables connect 48 hoists to the controller
- Wall mount with security features

Features of ETC Rigging and Control Systems

- Prodigy® is the safest, smartest and most affordable solution for automating your stage operations. No more climbing ladders and scaffolds or crawling on catwalks. Our motorized hoists raise and lower your stage gear for you – reducing time, effort, and manpower while keeping people out of harm's way.
- Prodigy fixed-speed hoists travel safely at 30 feet per minute
- Prodigy variable-speed hoists travel at 0-180 feet per minute with user-programmable ramp-up and ramp-down speed control
- Travel distances up to 50 feet
- Working loads and motor capacities up to 2000 pounds
- Line sets especially designed to lift orchestra-shell ceilings, stage and front-of-house electrics with four different cable-management systems, as well as general-purpose line sets for scenery, curtains, and lighting
- Integrated cable-management systems
- Compression tube design prevents lateral loads to the building structure
- Dedicated fixed and variable-speed control systems designed by ETC controls experts
- Prodigy hoists, QuickTouch, QuickTouch+ and Foundation controls with three-year warranty
- Supported by ETC's acclaimed technical support and service
- UL Listed

ETC RIGGING™
Prodigy® Fixed and Variable-Speed General Purpose Hoists

Move curtains and scenery effortlessly and without risk.

ETC's Prodigy fixed and variable-speed General Purpose hoists are motorized to raise and lower curtains, masking, and scenery pipe battens safely and efficiently, at the touch of ETC QuickTouch®, QuickTouch+™ or Foundation® controls. The fixed-speed hoists average 30 feet per minute and the variable-speed hoists operate at 0-180 feet per minute to move your over-stage elements. The innovative compact mechanical design and hardware retract hoists fully out of audience view. A range of travel distances, batten lengths, and circuits fit your facility's needs.

- Strong but light: Powerhead weighs 395 - 580 pounds
- Compact: Powerhead is only 15"h x 16" w x 48 1/2" long up to 17 3/8"h x 17 13/16" wide x 50 11/16" long. Variable Speed 55 1/2" long
- Unique Prodigy hybrid drum: Powerhead handles up to eight lift lines in a machine 1/3 the length of other-brand hoists
- Hoists are rated by their working load limit (WLL – the amount that can be suspended from the batten and lifted by the hoist in standard configuration)
- Fail-safe motor brake and load brake: two independent braking systems ensure safe overhead lifting
- Higher duty cycles: Minimal braking pressure reduces brake-pad temperature and increases hoist duty-cycle
- QuickTouch provides convenient mid-travel trim position: A third stop-position programmable by the user
- Quicktouch+ controller allows for three user programmable trim and two limit positions per hoist
- Foundation controller provides up to eight trim positions for each hoist
- Compression Tube neutralizes additional lateral forces
- Built-in slackline detector comes standard
- Built-in load profiling comes standard
- Right Angle Cable Adjuster (RACA): Unique trim clamp saves 17"of building height for greater batten travel. Permits rapid trim adjustment even under load
- Built-in limit switches and encoders with backup safety systems
- Built-in limit switch with visual-setting indicators
- All Prodigy Fixed-Speed Hoists are available with 208V or 480V motors, variable-speed hoists are available in 480V
- Built to ANSI E1.6-1 motorized hoist standards
- Fast, efficient installation
- Handheld remote control available
- UL LISTED

Prodigy® Fixed and Variable-Speed General Purpose Hoists

Compression Tube mounting

Beam-clamp spacing	Tube weight	Min qty of beam clamps	Min/max support structure
Maximum: 14′-0″	3.5lbs/ft	1 at Powerhead, then 14′-0″ oc max., at least one clamp per tube section	1/4″ to 1″ thick, 4″ up to 14″ wide. P1900G requires 3/8″ x 6″ or larger flange

Loading information

Average speed 30fpm.

Lift line diameter	Min load per lift line	Max load per lift line	Loft block spacing	Min distance from Powerhead	Muled lift line	Qty of lift lines
3/16″ GAC	25lbs each	420lbs each	4′-0″ Min 12′-0″ Max	4′-0″	1″ from Powerhead	Up to 8

Standard configuration of hoists

Standard travel 30 feet. Maximum travel 50 feet.

Model	Batten & distro length	WLL*	Hoist capacity	Qty lift lines	Qty beam clamps	Weight moving parts	Weight fixed parts + weight of Powerhead
P800G	25′-0″	800lbs	900lbs	4	3	108lbs	125lbs + 395lbs
P800G Max	As required	800lbs	900lbs	8	As required	108lbs	125lbs + 395lbs
P1300G	40′-0″	1300lbs	1400lbs	5	5	165lbs	196lbs + 395lbs
P1300G Max	As required	1300lbs	1400lbs	8	As required	165lbs	196lbs + 395lbs
P1900G	50′-0″	1900lbs	2000lbs	6	6	206lbs	242lbs + 580lbs
P1900G Max	As required	1900lbs	2000lbs	8	As required	206lbs	242lbs + 580lbs

*WLL (Working Load Limit) – the amount of weight a user can add to system in standard configuration.

Variable-Speed hoist

Speed range: 0-180 feet per minute

Model	Batten length (Std)	WLL*	Hoist capacity	Qty lift lines	Qty beam clamps	Weight moving parts	Weight fixed parts + weight of Powerhead
V1000S	50′-0″	1000lbs	1200lbs	6	6	108lbs	217lbs + 495lbs

ETC RIGGING™
Prodigy® Fixed-Speed Electrics Hoists

Moves front-of-house and stage electrics effortlessly and without risk.

ETC's Prodigy Fixed-Speed Electric Hoists are motorized to raise and lower on-stage and front-of-house electrics (lighting fixtures, etc.) safely and efficiently, at the touch of ETC's QuickTouch®, QuickTouch+™ or Foundation™ controls. The advanced technology of Prodigy hoists is combined with the most efficient and lowest-profile cable-management system in the industry. The fixed speed of the hoists average 30 feet per minute. The innovative compact mechanical design and hardware retract hoists out of audience view. A range of travel distances, batten lengths, and circuits fit your facility's needs.

- Strong but light: Powerhead weighs 395 - 580 pounds
- Compact: Powerhead is only 15"h x 16" w x 48 1/2" long up to 17 3/8"h x 17 13/16" wide x 50 11/16" long
- Unique Prodigy hybrid drum: Powerhead handles up to eight lift lines in a machine 1/3 the length of other-brand hoists
- Hoists are rated by their working load limit (WLL – the amount that can be suspended from the batten and lifted by the hoist in standard configuration)
- Fail-safe motor brake and load brake: Two independent braking systems ensure safe overhead load lifting
- Higher duty cycles: Minimal braking pressure reduces brake-pad temperature and increases hoist duty-cycle
- QuickTouch provides convenient mid-travel trim position: A third stop-position programmable by the user
- Quicktouch+ controller allows for three user programmable trim and two limit positions per hoist
- Foundation controller provides up to eight trim positions for each hoist
- Compression Tube neutralizes additional lateral forces
- Built-in slackline detector comes standard
- Built-in load profiling comes standard
- Right Angle Cable Adjuster (RACA): Unique trim clamp saves 17"of building height for greater batten travel. Permits rapid trim adjustment even under load
- Built-in limit switches and encoders with backup safety systems
- Built-in limit switch with visual-setting indicators
- All Prodigy Fixed-Speed Hoists are available with 208V or 480V motors
- Built to ANSI E1.6-1 motorized-hoist standards
- Fast, efficient installation
- Handheld remote controls also available
- UL LISTED

Compression Tube mounting

Beam-clamp spacing	Tube weight	Min qty of beam clamps	Min/max support structure
Maximum: 14′-0″	3.5lbs/ft	1 at Powerhead, then 14′-0″ oc max., at least one clamp per tube section	1/4″ to 1″ thick, 4″ up to 14″ wide. P1900G requires 3/8″ x 6″ or larger flange

Loading information

Average speed 30fpm.

Lift line diameter	Min load per lift line	Max load per lift line	Loft block spacing	Min distance from Powerhead	Muled lift line	Qty of lift lines
3/16″ GAC	25lbs each	420lbs each	4′-0″ Min 12′-0″ Max	4′-0″	1″ from Powerhead	Up to 7 + 1 Cable Management

Standard configuration of hoists

Standard travel 30 feet. Maximum travel 50 feet.

Model	Batten & distro length	Qty circuits outlets	WLL*	Hoist capacity	Qty lift lines	Qty beam clamps	Weight moving parts	Weight fixed parts + weight of Powerhead
P650E	25′-0″	12	650lbs	900lbs	4	3	363lbs	171lbs + 395lbs
P650E Max	As required	48**	650lbs	900lbs	7	As required	363lbs	171lbs + 395lbs
P1000E	40′-0″	24	1000lbs	1400lbs	5	5	569lbs	289lbs + 395lbs
P1000E Max	As required	48**	1000lbs	1400lbs	7	As required	569lbs	289lbs + 395lbs
P1500E	50′-0″	36**	1500lbs	2000lbs	6	6	777lbs	382lbs + 580lbs
P1500E Max	As required	48**	1500lbs	2000lbs	7	As required	777lbs	382lbs + 580lbs

*WLL (Working Load Limit) – the amount of weight a user can add to system in standard configuration.
** Requires double cable management.

ETC RIGGING™
Prodigy® Fixed-Speed Houselight Hoists

Most compact automated houselight rigging in the industry.

Prodigy Fixed-Speed Houselight Hoists are motorized to raise and lower otherwise hard-to-reach houselights (auditorium downlights over the audience or architectural lights) so that lights can be lowered, relamped, and serviced safely and easily, at the touch of ETC QuickTouch®, QuickTouch+™ or Foundation™ controls. These hoists can be combined with an ETC pantograph cable-management system – retracting hoists compactly and unobtrusively. This allows enormous flexibility for facility designers to preserve their visions yet ensure easy maintenance of the lights high overhead. Combined with ETC Electrics hoists, Prodigy Houselight Hoists eliminate the need for catwalks or tension grids over the audience.

- Any Prodigy fixed-speed hoist can interface with and operate ETC Pantographs and houselight mounting and distribution troughs
- Houselight trough is hard-wired with knockouts, for direct installation of fixtures with canopy or stem mounts
- Pantograph with capacity of up to 16 normal and emergency circuits in a single trough
- Distribution trough UL LISTED to suspend canopy or stem-mounted fixtures weighing up to 50 pounds installed between support points up to 15 feet apart
- Prodigy Houselight rigging is the only pantograph system that provides emergency-circuit UL LISTED wiring and meets National Electrical Code (NEC)
- Fully integrated houselight hoist and power distribution are manufactured and wired by ETC
- Houselight distribution trough may be up to 105 feet long
- Strong but light: Powerhead weighs 395 to 580 pounds
- Powerheads range from 15”H x 16”W x 48 ½”L up to 16” H x 18”W x 50 ½”L
- Fixed speed of the hoists average 30 feet per minute for safe retraction
- Unique Prodigy hybrid drum: Powerhead handles up to eight lift lines in a machine 1/3 the length of other-brand hoists
- Fail-safe motor brake and load brake: Two independent braking systems ensure safe overhead load lifting
- QuickTouch provides convenient mid-travel trim position: A third stop-position programmable by the user
- Quicktouch+ controller allows for three user programmable trim and two limit positions per hoist
- Compression Tube: Channel (available in natural aluminum, black or custom colors) neutralizes additional lateral forces
- Built-in slackline detector and load profiling come standard
- Right Angle Cable Adjuster (RACA) trim clamp saves 17”of building height for greater batten travel. Permits rapid trim adjustment even under load
- Built-in limit end of travel and overtravel switches and encoders with backup safety systems
- Built-in limit switches with visual-setting indicators for more efficient installation
- Built to ANSI E 1.6-1 motorized-hoist standards
- Handheld remote controls also available
- UL LISTED, NEC compliant

Prodigy Houselight Troughs and Pantographs

Prodigy Houselight Troughs and Pantographs are designed for use with any Prodigy Fixed-Speed General Purpose Powerhead, with hardwired knockouts for direct installation of architectural fixtures. They also use a pantograph for cable management with a capacity of up to 16 circuits. Circuits can be in a single flat cable with a data run, or in a combination of smaller festoon cables to accommodate normal and emergency circuits in the same trough.

Model numbers for Houselight Troughs are designated as follows:

HL(length in feet)-(qty of knockouts/qty of circuits)

For example: HL50-5HL/3-3HL/2 designates a 50′ trough with (5) knockouts wired on (3) 20A circuits and (3) knockouts wired on (2) 20A circuits.

Compression Tube mounting

Beam-clamp spacing	Tube weight	Min qty of beam clamps	Min/max support structure
Maximum: 14′-0″	3.5lbs/ft	1 at Powerhead, then 14′-0″ oc max., at least one clamp per tube section	1/4″ to 1″ thick, 4″ up to 14″ wide. P1900G requires 3/8″ x 6″ or larger flange

Loading information

Average speed 30fpm.

Lift line diameter	Min load per lift line	Max load per lift line	Loft block spacing	Min distance from Powerhead	Muled lift line	Qty of lift lines
3/16″ GAC	25lbs each	420lbs each	4′-0″ Min 15′-0″ Max	4′-0″	1″ from Powerhead	Up to 8

Houselight Trough and Pantograph Technical Data

Travel increments	Stacking height	Flat festoon cable options	Circuits/e-circuits per pantograph	Min space between lift lines
Up to 24′	14″	Up to four 2- or 4-circuit cables. One flat cable may be emergency circuits. Independent data and ground wires	16	10′4″
25′-34′	19″		16	10′4″
35′-50′	24″		16	10′4″

Quanitity of pantographs on a batten is only limited by length of batten, liftline spacing and lifting capacity of the hoist

ETC RIGGING™
Prodigy® EXO Fixed and Variable-Speed General Purpose Hoists

Motorized rigging that adapts to your space.

Prodigy EXO hoists can be installed in almost any space and in almost any orientation — making them ideal for modernizations and new construction in which the stage structure is built with traditional head- and loft-block wells and/or a stage side-wall that is able to support the forces created by the rigging system. The unique external structure allows the Powerhead to be mounted on top of the grid, suspended below the overhead structure, or mounted on a side wall or side structure of the stage. EXO hoists may be mixed with other Prodigy hoists, counterweight rigging, or even combined with deadhang rigging. Even traditional stage-lighting distro systems can be installed with EXO.

EXO hoists are manufactured in a family of sizes — from small-capacity fixed-speed hoists to sizes engineered to carry heavy loads at rapid speeds.

- EXO Powerheads can be installed upright, underhung or vertically
- EXO systems utilize traditional upright or underhung head blocks and loft blocks
- Prodigy EXO Powerheads weigh from 450 to 660lbs, depending on model
- All Powerheads include load profiling and slackline detection as standard safety features
- Hoists can be operated via a fixed-speed Quicktouch®, fixed or variable-speed QuickTouch+™ or Foundation™ controller
- Small size: Powerheads are only 17 7/8'' to 20 3/4'' high, 48 3/8 to 56 3/8 long and 16'' to 18'' wide, depending on model
- Unique Prodigy Hybrid Drum: Powerhead manages up to eight liftlines in a machine 1/3 the length of other hoists
- Total hoist-lifting capacity: EXO Hoists are rated by their total hoist-lifting capacity, the amount of weight that can be lifted by the motor. This is generally the sum of the load-carrying device (e.g., batten) and the user-attachable load (WLL).
- Fail-safe motor brake and Prodigy load brake: two independent braking systems ensure safe overhead lifting
- Higher duty cycles: Minimal braking pressure significantly reduces brake-pad temperature and increases duty cycle of the hoist
- Built-In limit switches and absolute encoders: With visual-setting indicators for more efficient installation
- Multiple travel preset positions: Multiple positioning options available, based on type of controller
- Built-in load profiling: standard equipment
- Built-in slackline detector: standard equipment
- Built to PLASA/ANSI E1.6-1 motorized-hoist standards
- May be installed utilizing RACAs or turnbuckles at the pipe battens
- UL Listed

Standard configuration of hoists

Standard travel 30 feet. Maximum travel 50 feet.

Model	Speed	Total Lifting Cap	Batten Length	Voltage
EXO P900G & EXO P900G/480	30 FPM	900lbs	Up to 76’	208V. 3ø & 480V. 3ø
EXO P1400G & EXO P1400G/480	30 FPM	1400lbs	Up to 76’	208V. 3ø & 480V. 3ø
EXO P2000G & EXO P2000G/480	30 FPM	2000lbs	Up to 76’	208V. 3ø & 480V. 3ø

Variable-Speed hoist

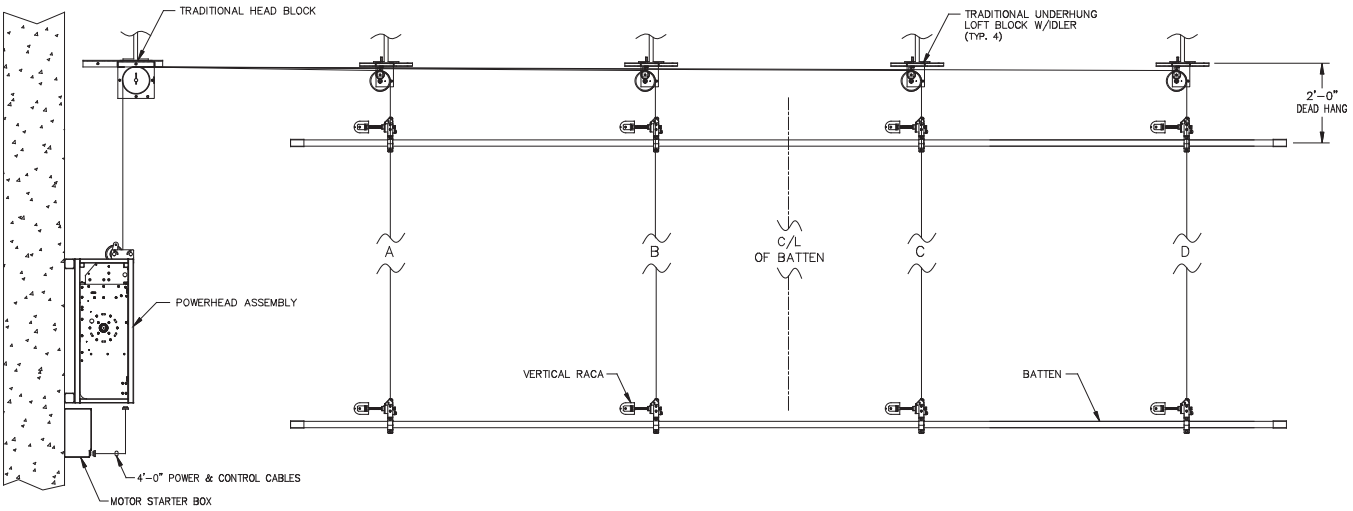
Model	Speed	Total Lifting Cap	Batten Length	Voltage
EXO V1200S	0-180 FPM	1200lbs	Up to 76’	480V. 3ø

*WLL (Working Load Limit) – the amount of weight a user can add to system in standard configuration.

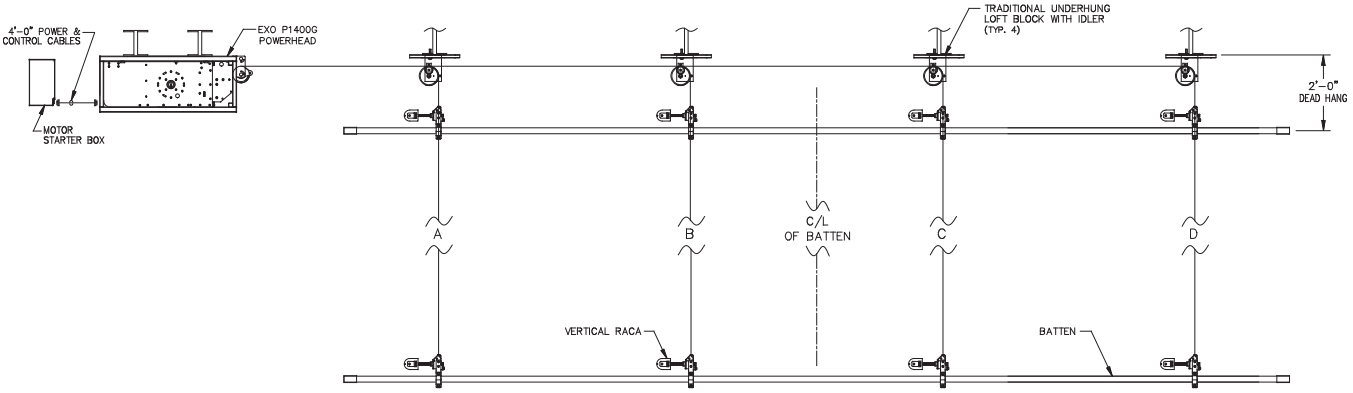
Prodigy® EXO Fixed and Variable-Speed General Purpose Hoists

Progidy EXO hoist standard configurations

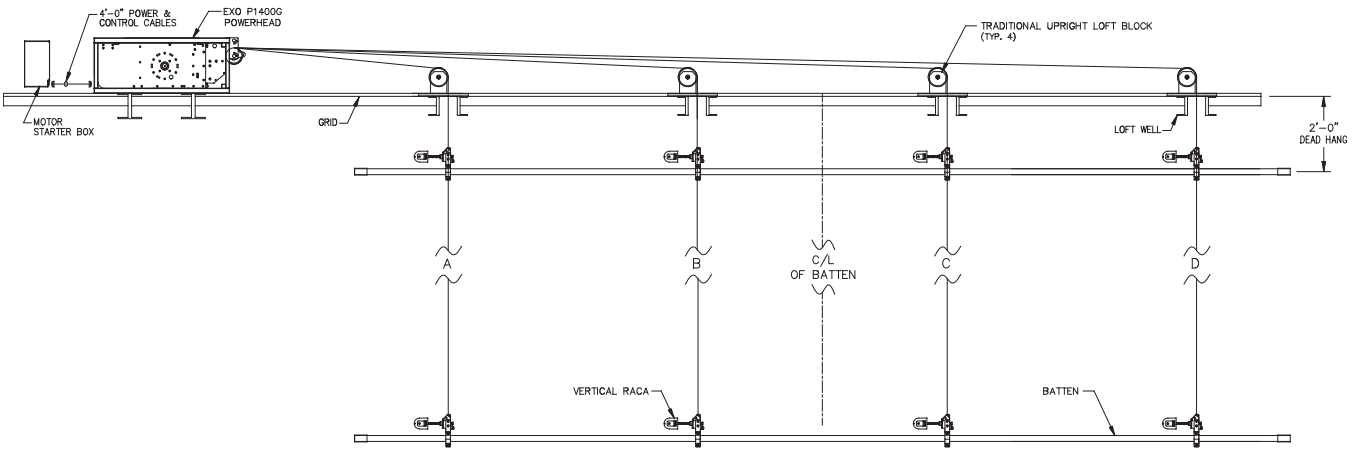
EXO wallmount configuration



EXO underhung configuration



EXO grid mount configuration



ETC Rigging offers three kinds of cable-management systems:

ETC Prodigy® Cable-Management Systems

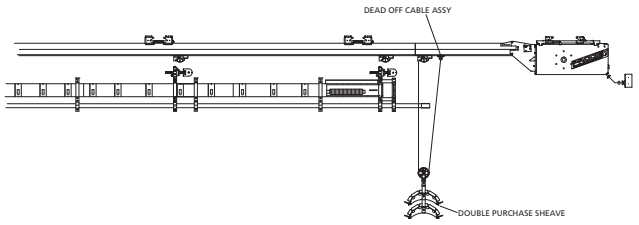
Prodigy Cable Management is fully integrated with Prodigy "E-Series" hoists and distribution troughs. This system allows up to 48 circuits including ground and data wiring to supply each stage electrics line set. This advanced system will support outlets or pigtails with any traditional connector; even 208 volt circuits can be provided. The Cable Management system is fully integrated with the hoist and allows the power supply to be entirely within the envelope of the electrics batten so there are no loops of multi-cable to snag adjacent battens. The system stores in only 30" of vertical space, no matter how many circuits are installed on the distribution trough. The entire system is UL LISTED and meets NEC and NFPA requirements for stage distribution.

ETC Pantograph

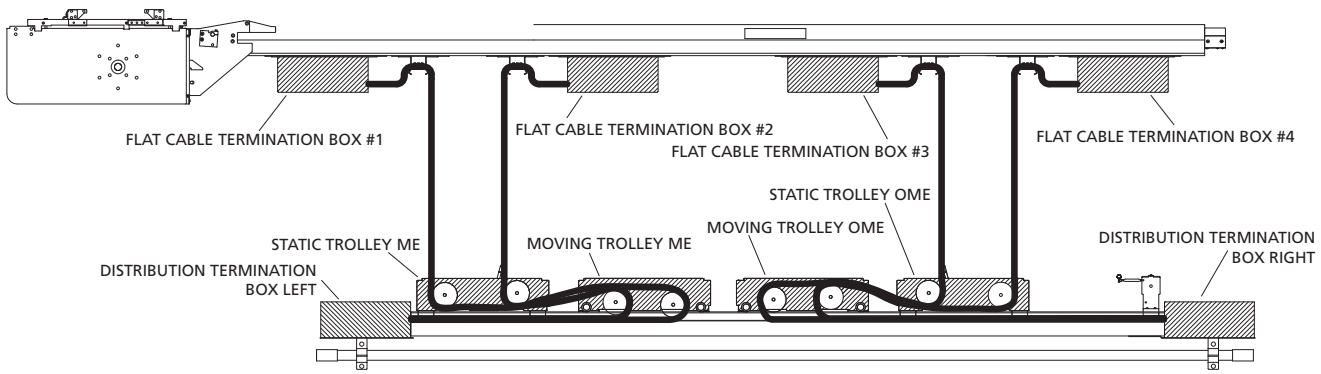
The pantograph is designed for use with stage electrics and houselight hoists operated by any General Purpose Prodigy hoist to distribute power and data to stage distro or houselight troughs. The system can incorporate wiring for up to 16 circuits plus data in any combination of line voltage and emergency-circuit wiring to meet applicable NEC requirements. The pantograph is available with up to 50' of travel and will stack in the overhead plenum in 25" of height.

ETC Traditional Cable-Management Systems

Prodigy hoists are often used in remodels and on stages that are built for traditional equipment. ETC has developed cable-management accessories to allow Prodigy General Purpose hoists to support and operate traditional stage distro and cable management (cable cradles) and SO multi-conductor cables, including single and multi-purchased multi-conductor cables.



ETC RIGGING™
Prodigy® Cable-Management Systems



For Prodigy stage-electrics systems.

Prodigy Cable Management is the ideal solution for most performance-venue applications. It is especially useful when overhead space to store battens is limited or when front-of-house lighting positions are installed without catwalks. Prodigy Hoists with Prodigy Cable Management can raise and lower fixtures for focusing and maintenance without looms of multi-conductor cable supported on cable reels or cable cradles suspended into the auditorium, or without sacrificing stage space for SO cable.

Features:

- Designed, engineered, and manufactured by ETC exclusively for use with ETC Prodigy hoists
- Fully integrated with Prodigy P65OE, P1000E, and P1500E hoists
- Entire Prodigy Cable-Management System (including hoist, distribution trough, pipe batten, and cables feeding circuits, ground wire, and data wire) employ UL LISTED cables designated for stage use
- Up to six line-voltage circuits, plus ground, plus DMX, or Ethernet wiring
- System stores in a space only 30" tall from bottom of structure to pipe batten
- Up to four flat cables may be fed and operated from each end of distribution strip for total of 48 line-voltage circuits and eight universes of DMX or Ethernet delivered to each batten
- Available as Motor End (ME) with termination boxes nearest to the Powerhead and a maximum of 24 circuits and four data runs; Opposite Motor End (OME), with termination boxes farthest from the Powerhead and maximum 24 circuits and four data runs; and Double (DBL) with termination boxes on both ends and maximum of 48 circuits and eight data runs
- Connector styles and designations are identical to ETC 99 Series connector strips
- Also available DMX out, NET, and DMX Pass-thru ports
- UL LISTED

Distribution strip:

- May contain up to 48 line-voltage circuits
- May contain up to eight universes of DMX
- May be constructed up to 70'-0 long with single-end feed and longer with double-end feed
- May have multiple outlets per circuit
- May include Edison, Pin or Twist-Lock® connectors with or without pigtails
- May incorporate up to eight Ethernet taps and as many DMX outlets as required

Prodigy® Cable-Management Hardware Systems

Available as Motor End (ME) with term boxes nearest to the Powerhead and maximum of 24 circuits and four data runs, Opposite Motor End (OME) with termination boxes farthest from the Powerhead and maximum of 24 circuits and four data runs, and Double (DBL) with termination boxes on both ends and maximum of 48 circuits and eight data runs.

Connector styles and designations are identical to ETC 99 Series connector strips.

Also available are DMX out, NET, and DMX Pass-thru ports.

Model numbers are designated as follows:

CM(length in feet) - (qty of Y-type connectors on pigtails/qty of circuits)(qty of Y-type flush receptacles/qty of circuits)-qty of DMX outputs/number of DMX universes-qty of Network ports-trolley system type

For example: CM50-(23BP/23)(4AO/1)-3D/1-ME designates a 50' strip with (23) 18" stagepin pigtails wired on (23) 20A circuits, (4) single Edison flush receptacles wired on (1) 20A circuit, (3) DMX outputs (2 pass-thru, 1 out) wired on 1 universe of DMX, and a Motor End single-trolley cable-management system.

Compression Tube termination box
1 box per 12 circuits

Compression Tube-mounted
flat-cable strain relief

Prodigy Cable-Management Parts

8001A2011 – Compression Tube, mounted termination box
8001A2010 – Compression Tube, mounted strain relief

Distribution through trolleys

Caution: The correct trolley must be used in its proper location.

8001A2009 – Static Trolley Motor End
8001A2005 – Moving Trolley Motor End
8001A2003* – Static Trolley Opposite Motor End
8001A2017 – Moving Trolley Opposite Motor End
8001A2002 – Static Trolley Motor End Double Cable Management
8001A2006 – Moving Trolley Motor End Double Cable Management
8001A2003* – Static Trolley Motor End Double Cable Management
8001A2007 – Moving Trolley Motor End Double Cable Management
*8001A2003 is used for both OME and Double OME configurations

Distro-mounted static trolley

Distro-mounted moving trolley

ETC RIGGING™
Pantograph Cable-Management System

Distributes power and data to houselighting elegantly and efficiently.

The ETC Pantograph is used with Prodigy® Fixed-Speed General Purpose hoists to distribute power and data to houselight troughs. Due to their modest stacking space of 25", Prodigy hoists provide easy access to houselighting fixtures at the touch of a button on the QuickTouch controller, while tucking into low ceiling spaces and preserving aesthetics and architectural design. Emergency-circuit wiring can also be built into ETC Pantograph technology, eliminating ugly battery packs for emergency lighting. The Pantograph is designed, engineered and manufactured by ETC, ensuring full coordination of hoist, cable management, and circuit distribution.

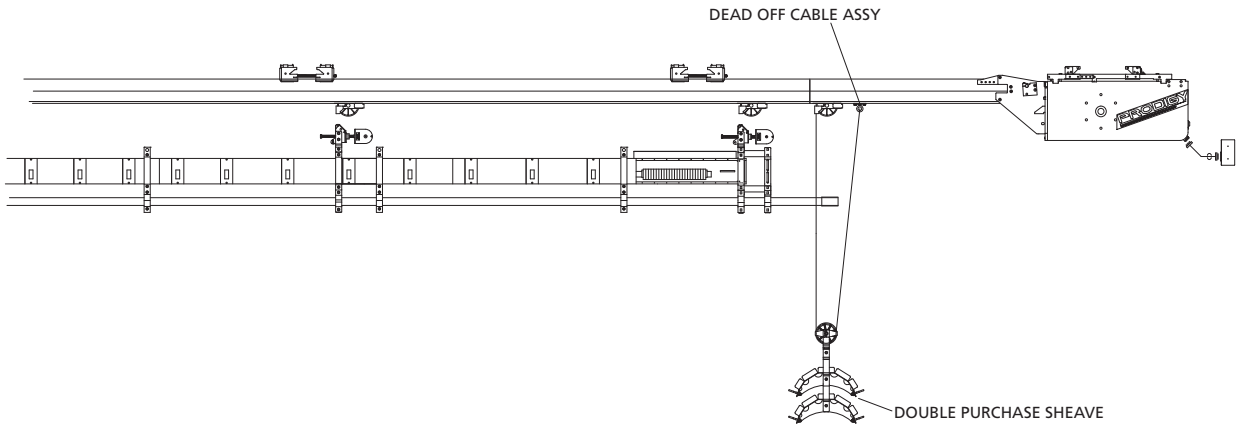
Features:

- Designed, engineered, and manufactured by ETC for use with ETC Prodigy General Purpose hoists for houselights with dedicated houselight troughs, or stage electrics with standard ETC distro
- Up to 50' of travel
- Fixed speed of 30 feet per minute
- Up to 16 dimmed and/or emergency circuits
- Entire Cable-Management system for 50' of travel stores in a space only 25" tall from bottom of structure to bottom of the distribution trough.
- May include any combination of two- or four-circuit festoon cables. Any two circuits may be established on a two-circuit festoon cable for separated emergency circuits, as required by NEC
- Allows separation of regular line-voltage and emergency-circuit wiring via barriered distribution trough, to meet NEC wiring requirements
- Also available DMX out, NET, and DMX Pass-thru ports
- UL LISTED

Distribution strip:

- May contain up to four line-voltage circuits or up to two emergency-power circuits plus up to four line-voltage circuits
- May include Ethernet or DMX data cable
- May be constructed up to 105'-0 long
- UL approved to be supported up to 15'-0" on-center
- May be wired with barriered emergency circuits
- May incorporate data wiring as required

Traditional Cable-Management System



An alternative to ETC's Prodigy® Cable-Management System

Prodigy™ hoists are often used in remodels and on stages that are built for traditional equipment. In some installations, traditional cable management using SO cable and cable cradles are still the most practical solution. ETC has developed cable-management accessories to allow Prodigy hoists to support and operate traditional cable-management systems with cable cradles and SO multi-conductor cables, including single- and double-purchased multi-conductor cables. These systems are designed to interface elegantly with existing distribution troughs or new ETC distribution.

Features:

- Designed, engineered, and manufactured entirely by ETC
- Designed to work with Prodigy General Purpose hoists P800G, P1300G, and P1900G
- Utilizes traditional multi-conductor SO cable
- Cable runs can be rigged as a single, double, triple, or quadruple cable run to each electrics line set
- Distribution troughs are ETC 99 series connector strips
- Available DMX out, NET, and DMX Pass-thru ports
- UL LISTED

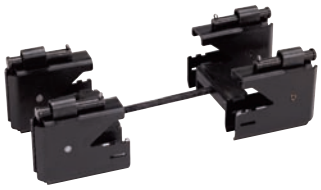
Distribution strip:

- May contain as many circuits as needed
- May contain universes of DMX
- May be constructed to any length distribution trough
- May be wired with barriered emergency circuits to meet NEC requirements
- May have one or more outlets per circuit
- May include Edison, Pin or Twist-Lock® connectors with or without pigtails
- May incorporate as many DMX or Ethernet outlets as required

Cable cradle

Double purchase

ETC RIGGING™
Parts and accessories



Prodigy Beam Clamp

Prodigy® Beam Clamp

All Prodigy Compression Tubes must be installed with Prodigy beam clamps. Maximum beam-clamp spacing is 14′-0″
8000A2010 – Prodigy beam clamp

Loft blocks

8000A2020 – Standard loft block
8000A2143 – Muling loft block and drop-line sheave for reversed first liftline

Loft block

Right Angle Cable Adjusters (RACA)

8001A2028 – Horizontal RACA/hanger brackets assemblies for use with hoist utilizing Prodigy Cable Management
8001A2029 – 40-degree horizontal RACA/hanger brackets assemblies for use between flat cables on hoists utilizing Prodigy Cable Management
8000A2064 – Vertical RACA/hanger bracket assemblies for use with General Purpose hoists
8001A2024 – Houselight RACA/hanger bracket assemblies for use with Houselight hoists

Horizontal RACA hanger bracket

Wire rope-replacement lift line

8000A2072 – 3/16″ Wire-rope lift line – 45′ long to 145′ long
Contact ETC Quotations Dept.

Power and control-distribution faceplates

8050A2006 – PCD-F – 208V Power and control-distribution faceplate; (1) power outlet, (1) control outlet and (1) 16A breaker
8050A2003 – PCD-SBB – Power and control distribution - 9" surface-mount backbox with voltage barrier
8050A2009 – PCD-H – 480V Power and control distribution faceplate
Custom Item – PCDXX-X – Power and control-distribution raceway XX′ in length to contain qty (Y) PCD-F faceplates

Power and Control Distribution (PCD) Panel

Prodigy Compression Tube

Compression Tube comes with applied UHMW tape and splice-plate assembly
Natural aluminum finish and black anodized finish in lengths from 1′0″ to 20′0″
Contact ETC Quotations Dept.

Compression Tube natural aluminum finish

Installer tools

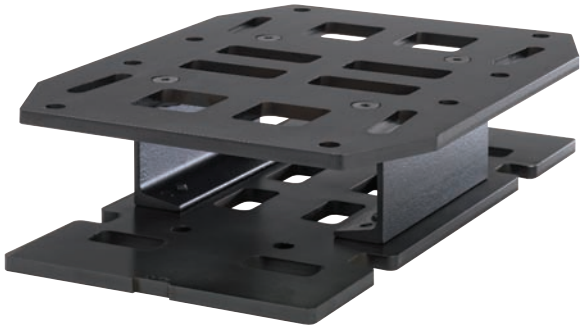
8050B7002 – E-stop bypass plug
8000K1025 – Prodigy data checker
8055A1105 – Phase-checker plug
8055K1003 – QT-1 field-service kit

PN – Manual brake release for testing and inspection
PN – Prodigy Hoist Pick

E-stop bypass plug

Phase-checker plug

Powerhead and Compression Tube installation adapters



ETC manufactures a range of adapters that can aid in the installation of Powerheads and Compression Tubes when the mounting structure is at varying heights or widths. A broad variety of parts can be assembled to solve different installation challenges. Contact ETC Quotations Dept., or go to **www.etcconnect.com/rigging** for detailed information.

Installation adapters

- Powerhead height adjuster 16" frame
- Powerhead height adjuster 18" frame
- Compression Tube height adjuster
- Beam flange clamp
- Powerhead height adjuster with double-high strut
- Compression Tube height adjuster with double-high strut
- Powerhead strut hardware kits
- Powerhead plate to double-high strut
- Compression Tube plate to double-high strut
- Compression Tube strut hardware kits

ETC RIGGING™
QuickTouch® fixed-speed control

The brains of ETC Rigging.

QuickTouch, QuickTouch+™ and Foundation™ controls are the intelligent operating stations at the core of ETC Rigging systems. QuickTouch controls activate and monitor the lifting functions of Prodigy® fixed-speed hoists and all system safety features. Each controller logs the use of the entire hoisting system and the behaviors of each hoist, while also providing diagnostics on itself and the entire hoisting system. If a fault occurs, hoists communicate the type and location of the fault via the LCD screen on the QuickTouch controller. As a safety backup, hoist functionality is limited during a fault condition. QuickTouch tracks the system's annual-inspection schedule, and records the usage of each hoist (moving distance, peak loads, and fault conditions since install and last inspection). QuickTouch produces an inspection report in pdf format that can also be transmitted to archives at ETC, ensuring that required inspections occur, while reporting problems or misuse.

- Five controller configurations (based on total quantity of hoists each can control)
- Controls from 1 to 24 hoists
- Easy, intuitive operation
- Illuminated with dimming backlight
- Status, position, load readout via LCD screen
- User-programmable trim position
- Load profiling
- Slack-line detection
- Emergency-stop circuit
- Hold-to-run controls
- Ability to limit number of hoists operating concurrently
- Imperial or metric readout information
- Easy wiring for installation
- Hoist-history log
- Automatic self-test at start up and after 30 days of continuous "on-time"
- Multiple languages available

QuickTouch controls

8055A1000 – QT1 – QuickTouch controller 1 channel
8055A1001 – QT4 – QuickTouch controller 4 channel
8055A1002 – QT8 – QuickTouch controller 8 channel
8055A1003 – QT12 – QuickTouch controller 12 channel
8055A1004 – QT24 – QuickTouch controller 24 channel
8055A1100 – QT-SBB-SM – Small QuickTouch surface-mount back box
8055A1102 – QT-FBB-SM – Small QuickTouch flush-mount back box
8055K1000 – QT-D-SM – Small QuickTouch door
8055A1101 – QT-SBB-LG – Large QuickTouch surface-mount back box
8055A1103 – QT-FBB-LG – Large QuickTouch flush-mount back box
8055K1001 – QT-D-LG – Large QuickTouch door
8055K1002 – QT-RMK-LG – Rack-mount kit for use with large surface-mount back box
S681-F – QuickTouch controller operating key (spare)
HW8415 – QuickTouch controller door key (spare)

QuickTouch controller 4 channel

QuickTouch controller 24 channel

Emergency-stop button station

8055A1005 – ESBS – Emergency-stop button station (maximum of three per system)
1064A1038 – ESBS-BB – E-stop surface-mount back box

Emergency stop button

Fixed-speed remote control

8055A1006 – FSRC – Fixed-speed remote control handheld with 30’ integrated cable and E-stop

Fixed-Speed remote control

ETC RIGGING™
QuickTouch+™ variable-speed and fixed-speed control

The brains of ETC Rigging.

QuickTouch, QuickTouch+™ and Foundation™ controls are the intelligent operating stations at the core of ETC Rigging systems. QuickTouch controls activate and monitor the lifting functions of Prodigy® fixed-speed hoists and all system safety features. Each controller logs the use of the entire hoisting system and the behaviors of each hoist, while also providing diagnostics on itself and the entire hoisting system. If a fault occurs, hoists communicate the type and location of the fault via the LCD screen on the QuickTouch controller. As a safety backup, hoist functionality is limited during a fault condition. QuickTouch tracks the system's annual-inspection schedule, and records the usage of each hoist (moving distance, peak loads, and fault conditions since install and last inspection). QuickTouch produces an inspection report in pdf format that can also be transmitted to archives at ETC, ensuring that required inspections occur, while reporting problems or misuse.

- Models control from 4 to 24 hoists
- Control for fixed and variable-speed hoists
- Accurate speed preset and live control via slider
- Two user-programmable travel limits per hoist
- Three user-programmable trims per hoist
- Easy and intuitive to operate
- Illuminated user controls
- Ability to control multiple hoists at the same time
- Write-on or user-printable strips for motor identification
- Status, position and load readout via LCD screen
- Load profiling stops movement of hoist when outside normal load conditions
- Emergency stop (E-Stop) circuit
- Hold-to-run controls with hard wired deadman circuit
- Multiple languages (including English, Spanish, French), imperial or metric measurements display
- Simple and cost-effective installation wiring via a single low-voltage control cable
- Simple configuration via panel or laptop hoist and control station
- History stored in log files, usage-data log files, and service-interval counters
- Automatic self tests of safety functions and circuits on power-up and at periodic intervals

QuickTouch+™ variable-speed and fixed-speed control

QuickTouch+ controls

8061A1001 – QT+4 QuickTouch+ Variable and Fixed Speed Control Station
8061A1002 – QT+8 QuickTouch+ Variable and Fixed Speed Control Station
8061A1003 – QT+12 QuickTouch+ Variable and Fixed Speed Control Station
8061A1004 – QT+24 QuickTouch+ Variable and Fixed Speed Control Station
8055A1101 – QT-SBB-LG – QuickTouch+ surface-mount back box
8055A1103 – QT-FBB-LG – QuickTouch+ flush-mount back box
8055K1001 – QT-D-LG – QuickTouch+ door
8055K1002 – QT-RMK-LG – Rack-mount kit for use with QuickTouch+ surface-mount back box
S681-F – QuickTouch controller operating key (spare)
HW8415 – QuickTouch controller door key (spare)

QuickTouch controller 4 channel

Emergency-stop button station

8055A1005 – ESBS – Emergency-stop button station (maximum of three per system)
1064A1038 – ESBS-BB – E-stop surface-mount back box

QuickTouch controller 24 channel

Fixed-speed remote control

8055A1006 – FSRC – Fixed-speed remote control handheld with 30’ integrated cable and E-stop

ETC Rigging systems accommodate and control third-party machinery

Some projects employ additional machinery that ETC does not make. To provide a *single* system that will control all your stage machinery, ETC Rigging control systems have been designed to integrate third-party devices. We will extend this capability to a wider range of machines and more machine-control interfaces indefinitely.

Emergency stop button

Fixed-Speed remote control

ETC RIGGING™
Foundation™ variable-speed and fixed-speed control

The brains of ETC Rigging.

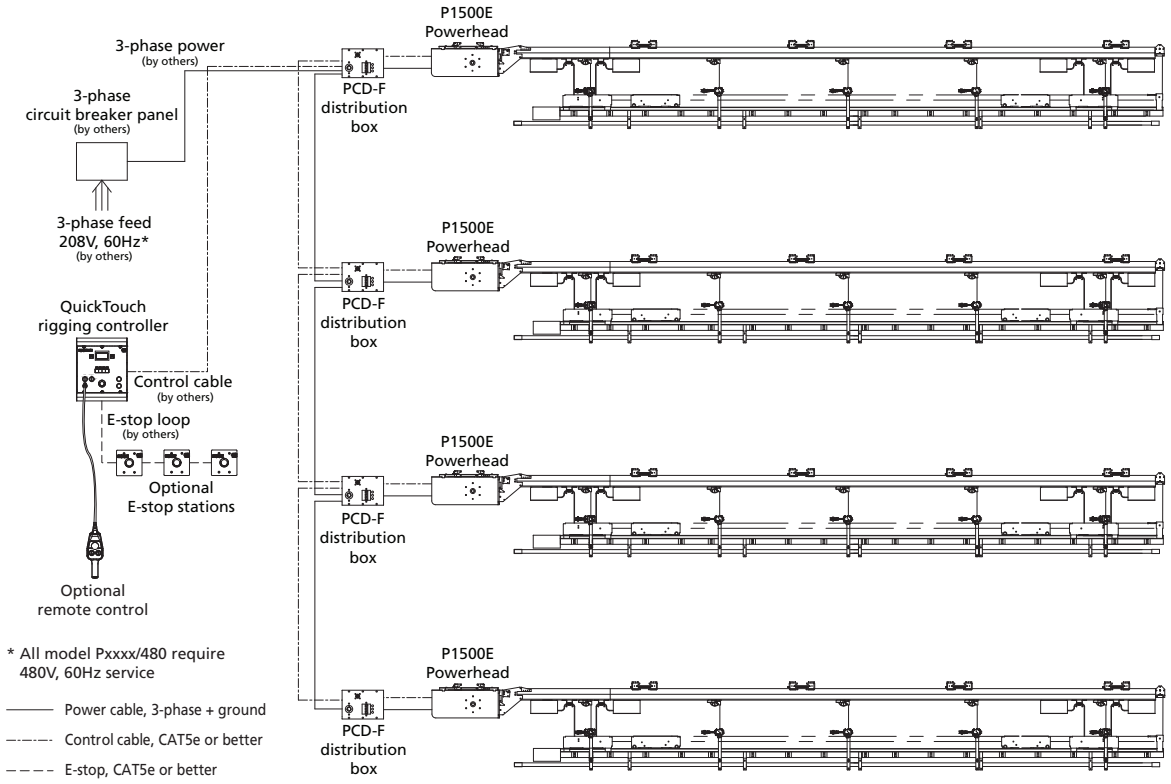
Foundation, QuickTouch® and QuickTouch+™ controls are the command centers at the core of ETC Rigging systems. Foundation activates and monitors the lifting functions of Prodigy® fixed- and variable-speed hoists, as well as all system safety features. Each controller logs the use of the entire hoisting system and the behaviors of each hoist, while also providing diagnostics on itself and the entire hoisting system. If a fault occurs, hoists communicate the type and location of the fault via the LCD screen on the controller. As a safety backup, hoist functionality is limited during a fault condition. Foundation tracks the system's annual-inspection schedule, and records the usage of each hoist (moving distance, peak loads, and fault conditions since install and last inspection). Foundation and QuickTouch produce an inspection report that can also be transmitted to archives at ETC, ensuring that required inspections occur, while reporting problems or misuse.

Features

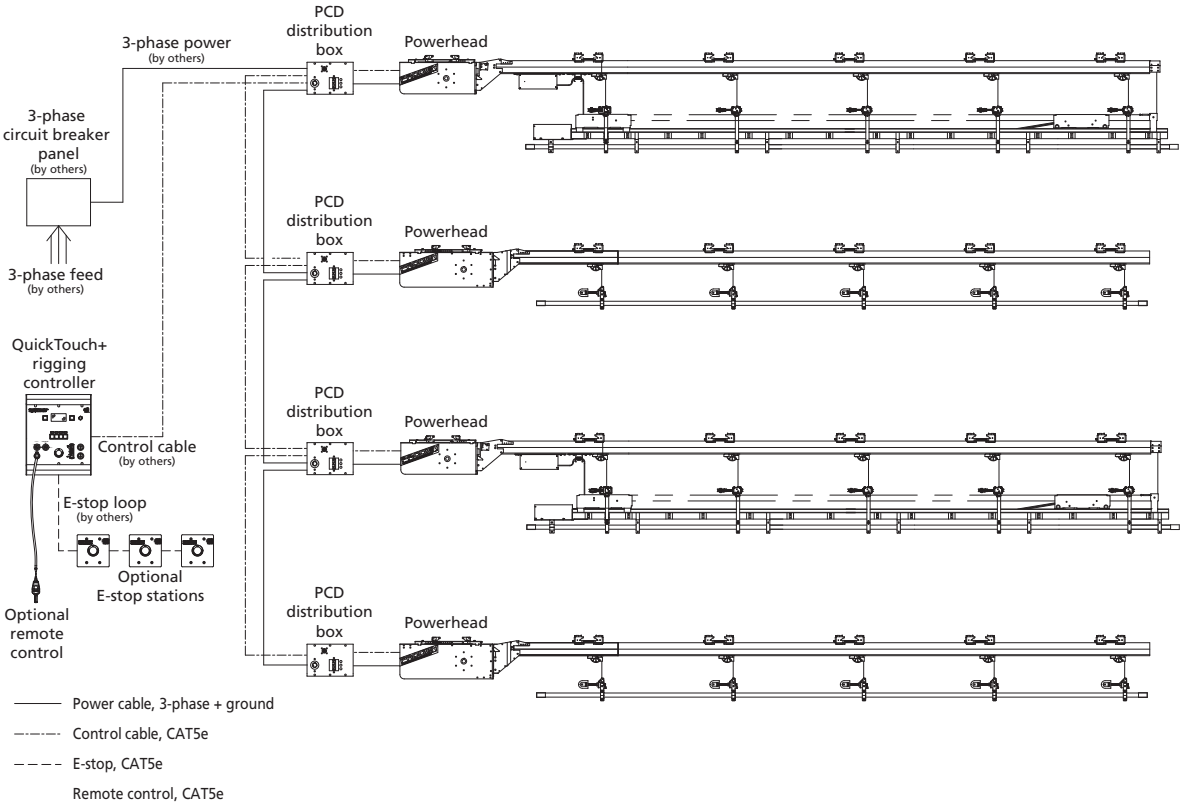
- 48 fixed or variable-speed hoist controls
- User-programmable upper and lower limit for each hoist
- Eight user-programmable trim positions per hoist
- Cues from 1 to 999.99
- presets from 1 to 999
- 15" LCD multi-touch screen with ambient-light controlled backlight
- Four operating modes: Manual, Preset, Cue Editing, Playback
- Target moves
- Time, speed or manual moves
- Lead/lag cues
- Cue entry modes in single, split or individual speeds or movement-times
- Concurrent multiple cues with staggered starts/stops
- Hold-to-run illuminated button controls
- Joystick manual operation and override
- Multiple screen-readout views
- Up to 48 hoists per cue but may be limited per project specifications
- Six access levels
- Solid-state hard drive with storage capacity for thousands of shows
- Remote control-enabled e-stop

Typical Riser Diagrams

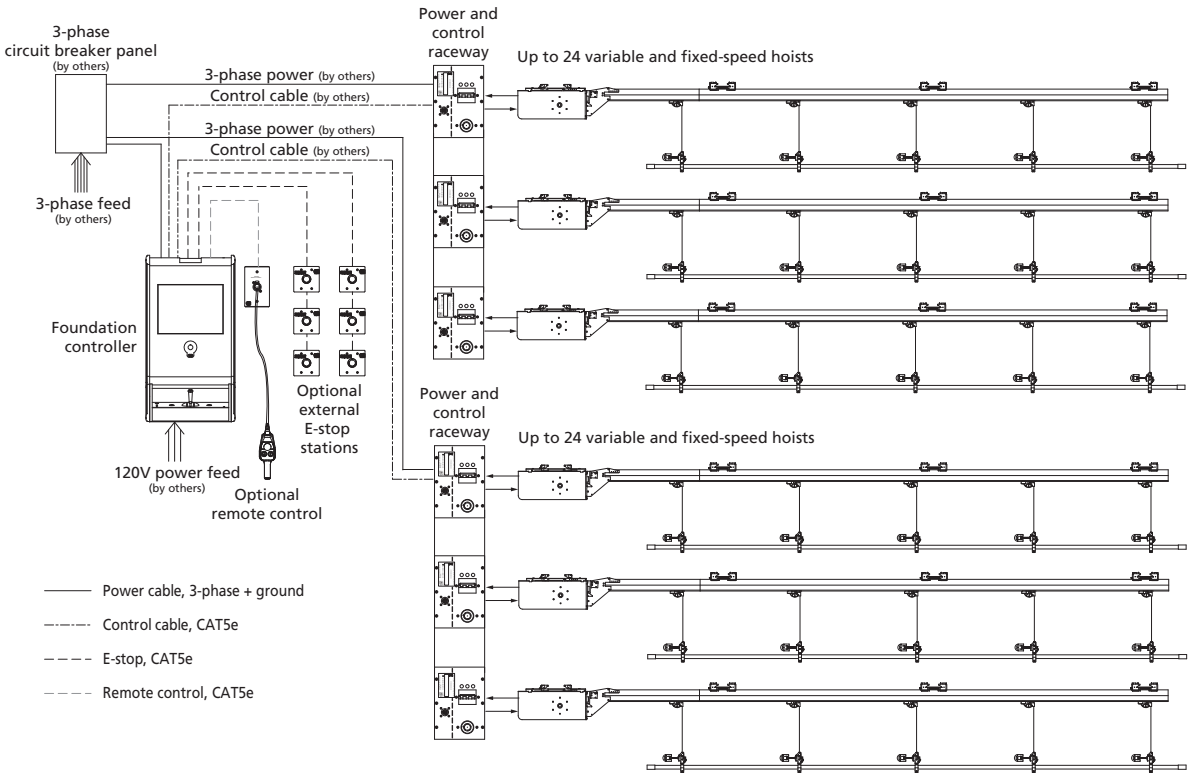
Prodigy fixed-speed system riser



QuickTouch+ system riser



Prodigy variable-speed system riser



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