

GENERAL INFORMATION

The hoist power and control distribution equipment provides control signals and 3 phase power to each individual hoist. Each plug-in point provides a signal connector, a 3 phase power connector and a circuit breaker.

APPLICATIONS

- Rigging control system for fixed speed hoists
- Academic theatre lighting and scenery battens
- Auditorium house light hoists
- Architectural lighting hoists
- Small theatre hoists

FEATURES

- Quick and easy to mount and terminate power and control
- Motor rated breaker to disconnect power from hoist at every outlet
- Variety of mounting hardware available

ORDERING INFORMATION

Individual Plug-in Stations

MODEL	DESCRIPTION
PCD-F	Power and Control Distribution Box with Circuit Breaker

Power and Signal Distribution Raceway

PREFIX + LENGTH	CONN. QTY	CONN. TYPE	CIRCUIT QTY	TERMINAL LOCATION	HANGER BRACKET
PCD+L	Q	C	X	T	H
	1,2,3...	F, H	1,2,3...	L,R,C	11, 12, 13

BASIC MODEL NUMBERING

PCDL-QC/X-T-H

This is the basic form of the model number. It reads: PCD Length in feet; Quantity and Type of Connector; on X number of circuits; Terminal location; Hanger bracket type.

Example: **PCD20-16F/1-R-11.**

This is a Power and Control Distribution raceway (PCD) twenty feet long with sixteen hoist plug-in points wired on one circuit, terminals located on the right of the open side of the connector strip with type 11 hanger brackets.

All plug-in points have a circuit breaker next to the power connector.



SPECIFICATIONS

GENERAL

- Ambient temperature: 0-40°C / 32-104°F
- Relative humidity: 30-90% non-condensing
- Designed for easy shipment, installation, and service

MECHANICAL

- 18-gauge steel construction (14 ga. end caps and junction brackets for increased strength)
- Finished with textured black-powder coat
- Voltage barrier between power and control cables

ELECTRICAL

- Simple control cable termination on IDC style connector
- Power on 20A 3-phase plus ground Twistlock connector
- 8A Motor-rated circuit breaker

RACEWAY

- Shipped standard 6' sections, completely wired through and folded; splicing hardware included (optional 12' or 18' factory assembled solid lengths are available)
- Wide variety of mounting and hanger brackets available
- Packaging protects strips and aids in installation

PLUG-IN STATION

- Power termination directly on breaker
- Motor-rated, 8A, 3-phase breaker next to the power connector

PHYSICAL

Individual Plug-in Station Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
PCD-F	6.25	159	9	229	5.00	127

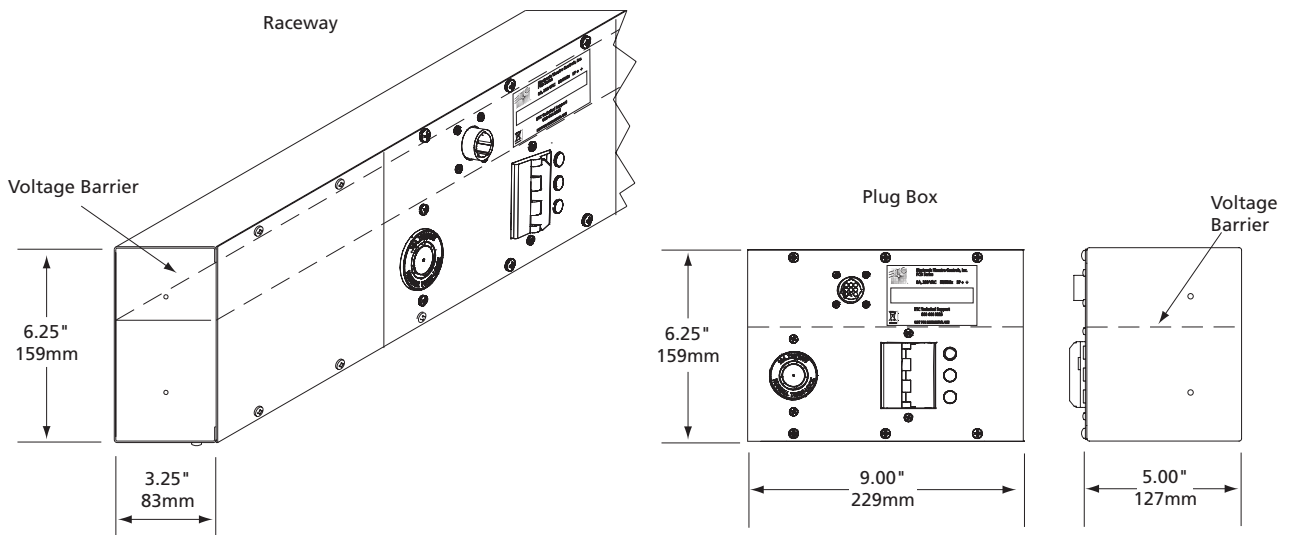
Raceway Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
PCD-L	6.25	159	as specified		3.25	83

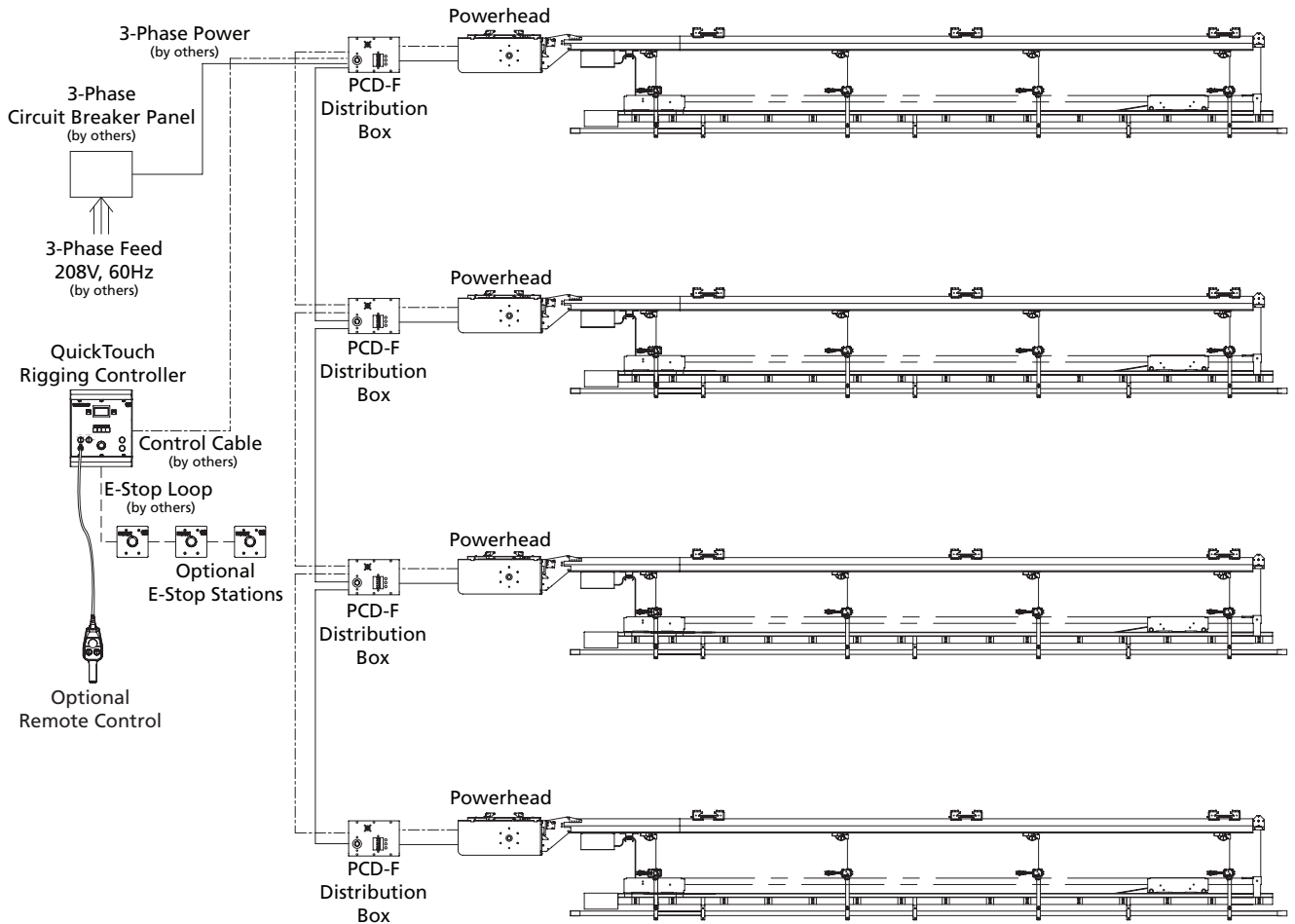
Individual Plug-in Station Weights

MODEL	WEIGHT	
	lbs	kgs
PCD-F	6	2.72

PHYSICAL



TYPICAL RACEWAY DISTRIBUTION 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"

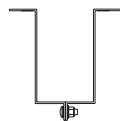
CONNECTOR TYPES

Type	Usage and Notes
F	208V, 60Hz, 3 Phase + GND, Hubbell HBL2420
H	480V, 60Hz, 3 Phase + GND, Hubbell HBL2430

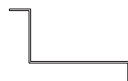
HANGING BRACKETS



Type 11



Type 12



Type 13

Types 11 through 13 are mounting brackets, intended to support the raceway only and not intended to support a pipe. No mounting hardware is supplied with type 11, 12, and 13 because it is the installers responsibility to determine the appropriate mounting hardware.

Type	Usage and Notes
11	Mounts raceways with the 6.25" dimension parallel to and directly on a wall or ceiling. No mounting hardware is supplied.
12	Mounts raceways with the 3.3" dimension parallel to and directly on a wall or ceiling. No mounting hardware is supplied.
13	Mounts raceways in a corner. No mounting hardware is supplied.



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US and International patents pending.