



PEN TEK[®]

PPX THREE PHASE PUMP PANELS

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APPLICATIONS

Specifically designed for outdoor installation, these pumping panels provide full-voltage control of three phase pump motors. They offer protection from motor burnouts due to overloading, protection against untimely restarts after power failure, and protection of the motor circuit against damage from short circuits.

FEATURES

- ▶ NEMA Heavy-Duty Industrial Components
 - Disconnect
 - Class R Fuse Block
 - Contactor
 - Solid-State Adjustable Overload
 - Flange Mounted 30mm Operators
 - Internal Ground Lugs
- ▶ Heavy gauge steel enclosures for rugged applications
 - NEMA 3R gasketed design (rated for outdoor applications)
 - Phosphate undercoating
 - Polyester powder top coat for higher quality, scratch- and corrosion-resistant finish
 - Service Entrance Rated with door hinge kit
 - Extra wide design for application versatility
 - Pre-drilled split backplate for easy mounting of accessories
- ▶ Certifications:
 - UL508A and cUL Listed
 - 100,000 RMS Interrupting Capacity

1 NEMA 3R GASKETED ENCLOSURE

▶ Designed for outdoor applications, protecting against wind blown dust and rain

2 HEAVY DUTY NEMA COMPONENTS

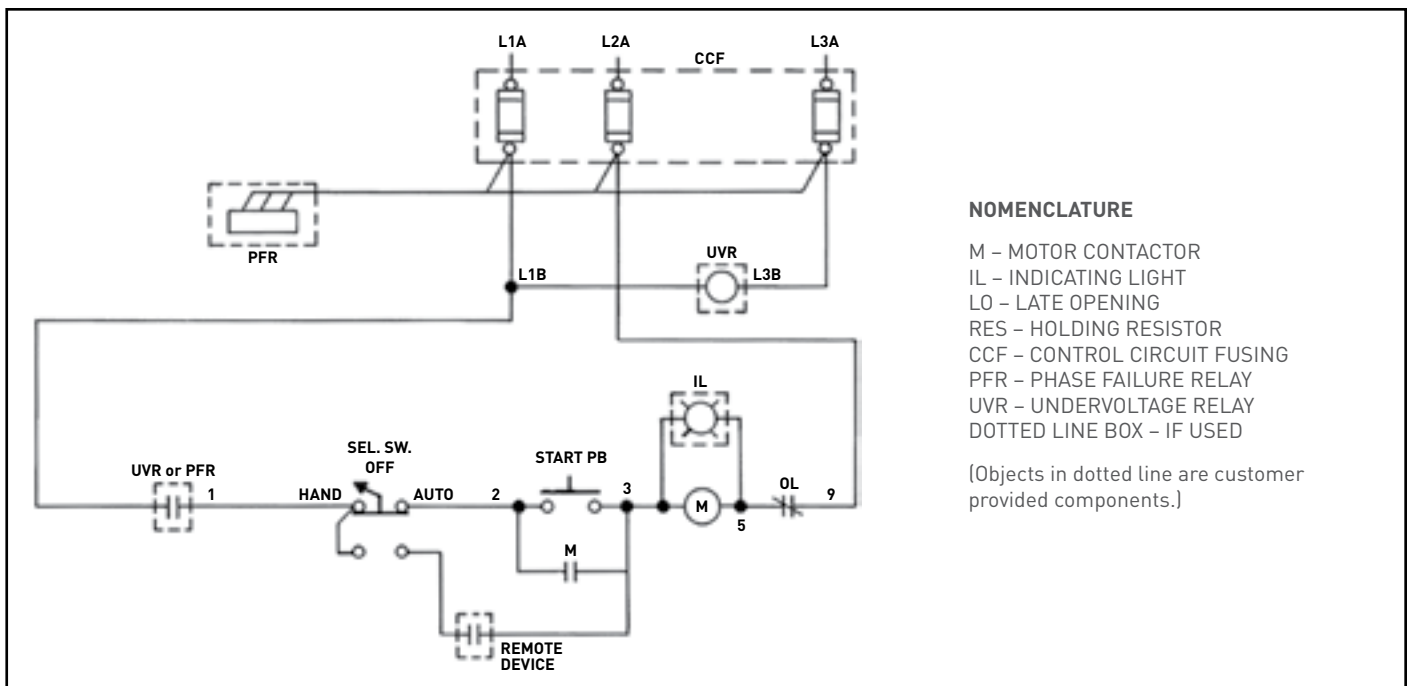
▶ Capable of handling your most demanding applications

3 PREDRILLED SPLIT BACKPLATE

▶ Supports easy modification for application versatility

4 FLANGE MOUNTED DISCONNECT SWITCH

▶ Instant visual status indication and defeater lever to support workplace safety



Typical PPX NEMA Size 1 through 5

PART NUMBER BREAKDOWN

PPX-	(a)	(b)-	(c)-	(d)	(e)
Pump panel with extra space	Contactors NEMA rating	Voltage A: 208 B: 230-240 C: 460-480 D: 575-600	Max Overload	Disconnect Amps	Fuse Class

208 VAC

PART NUMBER	NEMA SIZE	MAX HP OF CONTACTOR	DISCONNECT A	MAX TOTAL A	OVERLOAD CURRENT RANGE
PPX-1A-13-30R	1	7.5	30	13.5	6.5 - 13.5
PPX-1A-27-30R	1	7.5	30	27	13 - 27
PPX-2A-50-60R	2	10	60	50	25 - 50
PPX-3A-70-100R	3	25	100	70	35-70
PPX-3A-135-100R	3	25	100	100	65-135
PPX-4A-135-200R	4	40	200	135	65-135

230-240 VAC

PART NUMBER	NEMA SIZE	MAX HP OF CONTACTOR	DISCONNECT A	MAX TOTAL A	OVERLOAD CURRENT RANGE
PPX-1B-13-30R	1	7.5	30	13.5	6.5 - 13.5
PPX-1B-27-30R	1	7.5	30	27	13 - 27
PPX-2B-50-60R	2	15	60	50	25 - 50
PPX-3B-70-100R	3	30	100	70	35-70
PPX-3B-135-100R	3	30	100	100	65-135

460-480 VAC

PART NUMBER	NEMA SIZE	MAX HP OF CONTACTOR	DISCONNECT A	MAX TOTAL A	OVERLOAD CURRENT RANGE
PPX-1C-13-30R	1	10	30	13.5	6.5 - 13.5
PPX-1C-27-30R	1	10	30	27	13 - 27
PPX-2C-50-60R	2	25	60	50	25 - 50
PPX-3C-70-100R	3	50	100	70	35-70
PPX-3C-135-100R	3	50	100	100	65-135
PPX-4C-135-200R	4	100	200	135	65-135
PPX-5C-270-400R	5	200	400	270	130-270

575-600 VAC

PART NUMBER	NEMA SIZE	MAX HP OF CONTACTOR	DISCONNECT A	MAX TOTAL A	OVERLOAD CURRENT RANGE
PPX-1D-13-30R	1	10	30	13.5	6.5 - 13.5
PPX-1D-27-30R	1	10	30	27	13 - 27
PPX-2D-50-60R	2	25	60	50	25 - 50
PPX-3D-70-100R	3	50	100	70	35-70
PPX-3D-135-100R	3	50	100	100	65-135
PPX-4D-135-200R	4	100	200	135	65-135
PPX-5D-270-400R	5	200	400	270	130-270

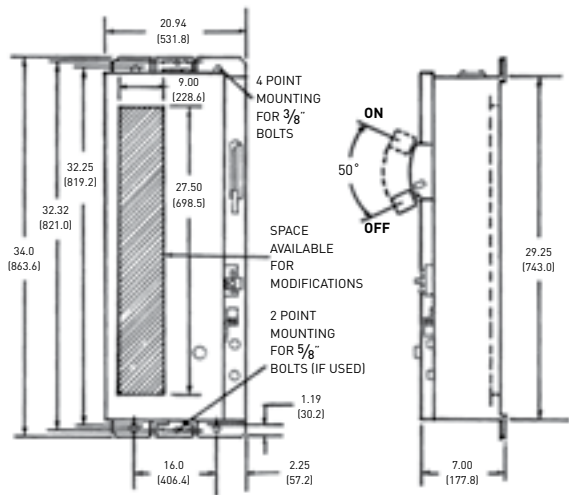
*For HP with multiple panels, use motor amperage to make selection.

NEMA Full-Voltage Combination Starters

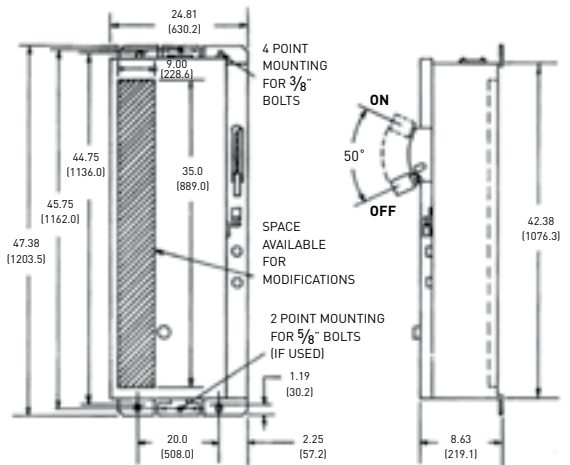
FUSIBLE DISCONNECT TYPE WITH ELECTRONIC OVERLOAD RELAY INCLUDES:

- | | | |
|----------------------------------|---------------------------|----------------------|
| ▶ Fusible Disconnect Switch | ▶ H-O-A Selector Switch | ▶ 3R Enclosure |
| ▶ Electronic Adjustable Overload | ▶ Start Push Button | (Fuses not included) |
| ▶ Class R Fuse Block | ▶ External Overload Reset | |

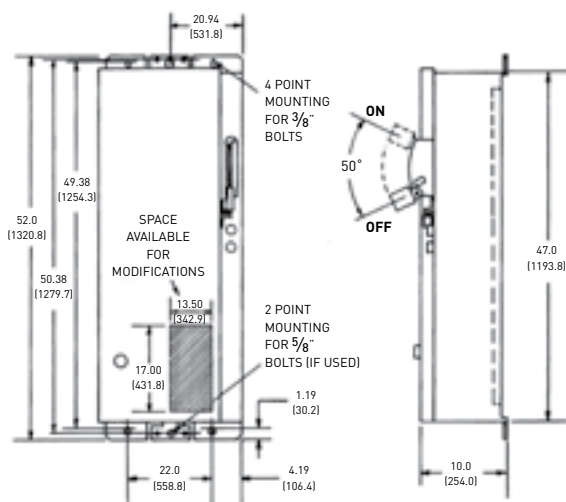
TYPICAL SCHEMATIC DIAGRAMS



**NEMA Sizes 1 and 2 Wide-Type Enclosures;
85 lbs. (Size 1), 90 lbs. (Size 2)**



**NEMA Sizes 3 and 4 Wide-Type Enclosures;
195 lbs.**



NEMA Size 5 Wide-Type Enclosures; 285 lbs.



PENTEK®

Tested. Tough. Technology.

From the dawn of civilization, providing and managing a dependable source of water has been essential to mankind's survival. Serving this most basic human need has driven the development of countless new technologies. In the 21st century, PENTEK is at the forefront of developing new and better electronic technology for water management.

We start with the fact that our motors, controls and other products have to be exceptionally tough. Submersible pumps live deep inside a difficult environment, and only a tough motor with a hard-working, precision-engineered control system can meet the constant demand for water. Where technology must be tough, PENTEK has been tested and trusted by our customers.

PENTEK will continue to bring you new innovations in motors and controls, because of our rich heritage of expertise in water management systems. PENTEK is the leading electronics brand of Pentair Water, North America's largest water pump manufacturer. Pentair Water sets demanding standards for pumps, motors and controls that are lab-tested and field-tested, to prove they're tough enough, before they ever ship to our customers.

PENTEK offers the exceptional technical support you expect from Pentair Water, and a level of advanced "tough technology" unmatched in the industry. So, demand more, and put us to the test. Our vision is to prove, time and time again, we are your best choice.



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