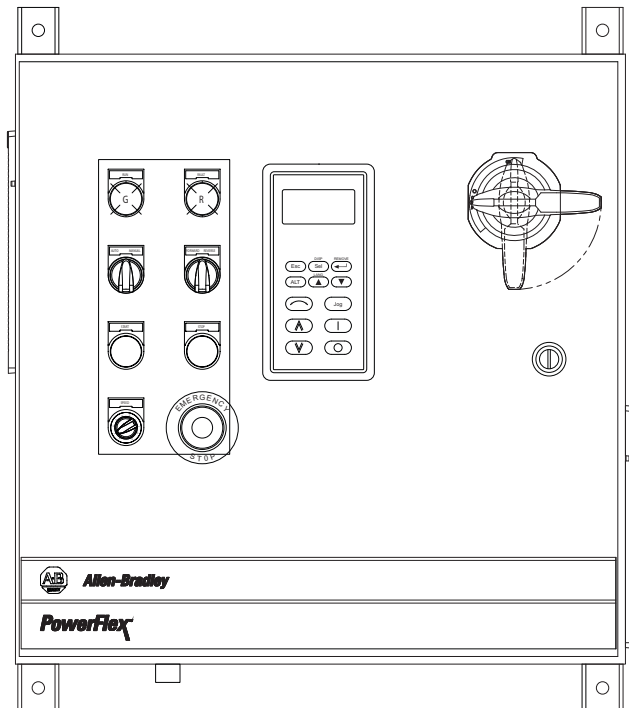
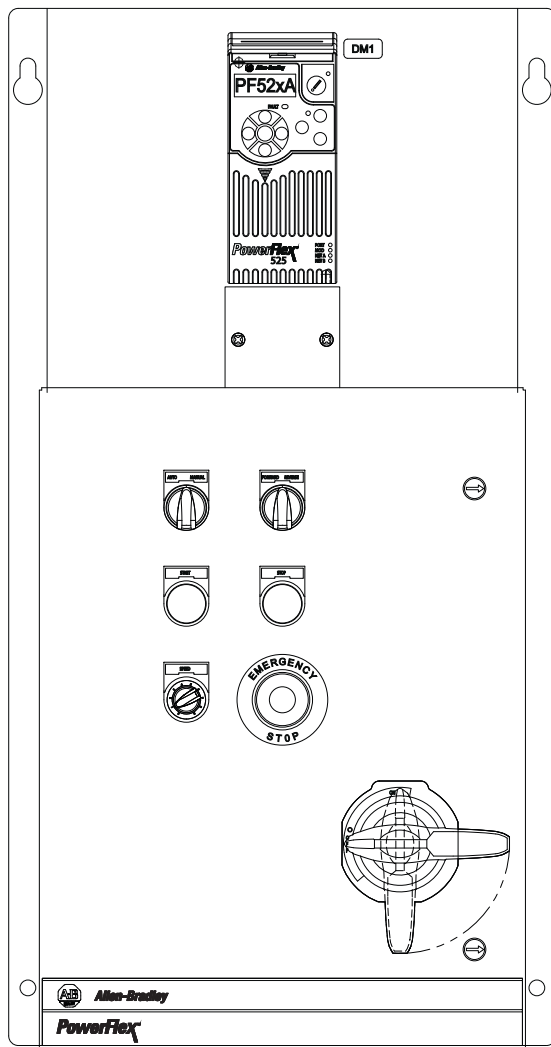


PowerFlex 520 Pre-Engineered FasTrac Packaged Drives

Catalog Numbers 24A/24B



**LISTEN.
THINK.
SOLVE.**

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Overview

The heart of every PowerFlex® 520 Pre-Engineered FasTrac Packaged Drive is a PowerFlex 520-class adjustable frequency drive. The Pre-Engineered FasTrac Packaged Drives program provides PowerFlex 520 drives that are packaged with a much larger offering of factory-mounted options than what is normally available with a standard product.

This document contains information that is related to the Rockwell Automation PowerFlex 520 Pre-Engineered FasTrac Packaged Drives program. This document provides information that is related to drive packaging features, option descriptions, dimensional, and layout information.

IMPORTANT While this information can be useful in specifying and application of a Pre-Engineered FasTrac Packaged PowerFlex 520 AC drive, this information is for reference only and can change at any time.

For installation and wiring information, see publication [750-TD002](#).

Catalog Number Explanation

Contact your Rockwell Automation representative for product option rules.

¹ **24B** - ² **V** ³ **2P5** ⁴ **A** ⁵ **1** ⁶ **0** ⁷ **4** ⁸ **A** ⁹ **A** - ¹⁰ **ND** - ¹² **P3** - ¹³ **S1**
_a _b _c _d _e _f _g _h _i

a

Drive	
Code	Type
24A	PowerFlex 523
24B	PowerFlex 525

b

Version and Voltage Rating		
Code	Input Voltage	Source Type
V	120V AC	1 Phase
A	240V AC	1 Phase
B	240V AC	3 Phase
D	480V AC	3 Phase
E	600V AC	3 Phase

c

Output Amps at 1 Phase 120V AC In				
Code	Amps	Frame	ND Hp	HD Hp
1P6 ⁽¹⁾	1.6	A	0.25	0.025
2P5	2.5	A	.5	0.5
4P8	4.8	B	1	1
6P0	6.0	B	1.5	1.5
Output Amps at 1 Phase 240V AC In				
Code	Amps	Frame	ND Hp	HD Hp
1P6 ⁽¹⁾	1.6	A	0.25	0.025
2P5	2.5	A	.5	0.5
4P8	4.8	B	1	1
6P0	6	B	1.5	1.5
011	11.0	B	3	3
Output Amps at 3 Phase 240V AC In				
Code	Amps	Frame	ND Hp	HD Hp
1P6 ⁽¹⁾	1.6	A	0.25	0.025
2P5	2.5	A	.5	0.5
5P0	5.0	A	1	1
8P0	8.0	A	2	2
011	11.0	A	3	3
017	17.5	B	5	5
024	24.0	C	7.5	7.5
032	32.2	D	10	10
048	48.3	E	15	15
062	62.1	E	20	15

Output Amps at 3 Phase 480V AC In				
Code	Amps	Frame	ND Hp	HD Hp
1P4	1.4	A	0.5	0.5
2P3	2.3	A	1	1
4P0	4.0	A	2	2
6P0	6.0	A	3	3
010	10.5	B	5	5
013	13.0	C	7.5	7.5
017	17.0	C	10	10
024	24.0	D	15	15
030	30.0	D	20	15
037	37.0	E	25	20
043	43.0	E	30	25
Output Amps at 3 Phase 600V AC In				
Code	Amps	Frame	ND Hp	HD Hp
0P9	0.9	A	0.5	0.5
1P7	1.7	A	1	1
3P0	3.0	A	2	2
4P2	4.2	A	3	3
6P6	6.6	B	5	5
9P9	9.9	C	7.5	7.5
012	12.0	C	10	10
019	19.0	D	15	15
022	22.0	D	20	15
027	27.0	E	25	20
032	32.0	E	30	25

(1) This rating is only available for PowerFlex 523 drives

1 2 3 4 5 6 7
24B - **V** **2P5** **A** **1** **0** **4**
a *b* *c* *d* *e* *f*

d

Enclosure Type		
Code	Enclosure Rating	Enclosure Style
A	Type 1 / IP20	
H	Type 12 / IP54 (Fan and Filter)	
R	Type 3R	

e

EMC Filter ⁽¹⁾	
Code	Filtering
0	No
1	Yes

(1) External EMC Filter is not available.

f

Braking	
Code	Braking
4	Standard

g

System Duty Cycle	
Code	Option
ND	Normal Duty
HD	Heavy Duty

h

Input Devices		Available Option		
Code	Option	1	12	3R
P3	Motor Circuit Protector	•	•	•
P6	Fused Disconnect	•	•	•

8 9 10 12 13
A **A** - **ND** - **P3** - **S1**
g *h* *i*

i

Operator Devices		Available Option				
Code	Option	1	12	3R	523	525
S1	H/O/A S.S. (Start/Stop/Spd. Ref.)	•	•	•	•	•
S4	Auto/Manual S.S.	•	•	•	•	•
S5	Run Pilot Light		•	•		•
S6	Fault Pilot Light		•	•		•
S7	Start and Stop Pushbuttons	•	•	•	•	•
S8	Forward/Reverse S.S.	•	•	•	•	•
S16	Drive Disable Mushroom Pushbutton	•	•	•		•
S18	Speed Potentiometer (1-Turn)	•	•	•	•	•
S23	Clear Fault Pushbutton	•	•	•		•

Communication Options

MD	DeviceNet	•	•	•	•	•
ME	Dual-port Ethernet	•	•	•	•	•
QD	DeviceNet Quick-Disconnect	•	•	•	•	•
QE	Ethernet Quick-Disconnect	•	•	•	•	•
QF	Ethernet Dual-port Quick-Disconnect	•	•	•	•	•

HIM

H6	Door Mounted LCD HIM (TYPE 12 Option Only)		•	•	•	•
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Safety

RS	Safety Relay for Category 1 Controlled Stop Safe-Torque-Off	•	•			•
----	--	---	---	--	--	---

Feedback

EF	Encoder Feedback	•	•	•	•	•
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Line Reactor

L1	Input Line Reactor		•	•	•	•
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Bypass

B0	No Bypass	•	•	•	•	•
B1	Bypass		•	•	•	•

Enclosure Options

ES	Enclosure Space Heater			•	•	•
F5	Transient Voltage Surge Suppressor (TVSS)			•	•	•

Additional Catalog Number Notes

Enclosure Types (Position 9/d)

PowerFlex 520 Pre-Engineered FasTrac Packaged Drives are assembled in NEMA/UL Type 1, 12, and 3R enclosures. Each enclosure type lends itself to a particular type of protection and environment. The enclosures that are detailed below do not normally protect electrical equipment from condensation, corrosion, or contamination that can occur within the enclosure or enter via the conduit or unsealed openings. You must make adequate provisions to safeguard against such conditions, and verify that the equipment is properly protected. Care should be taken in environments that may contain sulfur gas. Avoid exposing electrical equipment to sulfur gas, as this can lead to premature failure. If environmental contaminants are unknown, contact Rockwell Automation for recommended testing procedures.

IP20 NEMA/UL Type 1

These enclosures are intended for indoor use primarily to provide a degree of protection against contact with the enclosed equipment in locations where unusual service conditions do not exist. The enclosures are designed to meet the rod entry and rust resistance design tests. There can be ventilation openings on the enclosure to allow free exchange of inside and outside air. Design is based on 0...40 °C (32...104 °F) ambient temperature during operation. See publication [520-UM001](#) for storage requirements.

IP54 NEMA/UL Type 12

These ventilated enclosures with fans are intended for indoor use primarily to provide a degree of protection against dust, falling dirt and dripping non-corrosive liquids. They are designed to meet drip, dust, and rust resistance tests. There can be ventilation openings on the enclosure to allow free exchange of inside and outside air. Closed loop auxiliary cooling can be required for higher horsepower ratings. Specifications that call for NEMA-12 ventilated enclosures must be reviewed with the factory. Design is based on 0...40 °C (32...104 °F) ambient temperature during operation. See publication [520-UM001](#) for storage requirements.

NEMA/UL Type 3R

These enclosures are intended for outdoor use primarily to provide a degree of protection against rain, and to reduce potential damage from ice formation on the enclosure⁽¹⁾. They are designed to meet rod entry, rain⁽²⁾, external icing⁽³⁾, and rust resistance tests. They are not intended to provide protection against conditions such as dust, internal condensation, or internal icing. Design is based on -30...+40 °C (-22...+104 °F) ambient temperature range with power applied and disconnect on.

(1) Evaluation criteria: No water has entered the cabinet during the specified test.

(2) Evaluation criteria: No water can reach live parts, insulation, or mechanisms.

(3) Evaluation criteria: The enclosure is undamaged after ice, which accumulates during the specified test, has melted. (The drive is not required to be operable while ice-laden).

Specifications

In most cases, the general specifications of a packaged drive package match the specifications of a standalone drive. See [Additional Resources on page 25](#) for further information. See [Codes and Standards on page 10](#).

Short Circuit Current Rating

The short circuit current rating of a drive package is based on drive output current rating. See [Table 1](#).

Table 1 - Short Circuit Current Rating

1 Phase at 120V AC			1 Phase at 240V AC			3 Phase at 240V AC			3 Phase at 480V AC			3 Phase at 600V AC		
Drive Amps	MPCB/MCP (kA)	Fuse D/S (kA)	Drive Amps	MPCB/MCP (kA)	Fuse D/S (kA)	Drive Amps	MPCB/MCP (kA)	Fuse D/S (kA)	Drive Amps	MPCB/MCP (kA)	Fuse D/S (kA)	Drive Amps	MPCB/MCP (kA)	Fuse D/S (kA)
1.6	65	100	1.6	65	100	1.6	65	100	1.4	65	100	0.9	30	100
2.5	65	100	2.5	65	100	2.5	65	100	2.3	65	100	1.7	30	100
4.8	65	100	4.8	30	100	5	65	100	4.0	65	100	3.0	25	100
6.0	10	100	8.0	65	100	8.0	65	100	6.0	65	100	4.2	5.0	100
—	—	—	11.0	10	100	11.0	30	100	10.5	30	100	6.6	5.0	100
—	—	—	—	—	—	17.5	10	100	13.0	65	100	9.9	5.0	100
—	—	—	—	—	—	24.0	10	100	17.0	10	100	12.0	5.0	100
—	—	—	—	—	—	32.2	10	100	24.0	10	100	19.0	10	100
—	—	—	—	—	—	48.3	50	100	30.0	10	100	22.0	10	100
—	—	—	—	—	—	62.1	50	100	37.0	10	100	27.0	10	100
—	—	—	—	—	—	—	—	—	43.0	10	100	32.0	10	100

Duty Cycle

ND = Normal Duty Rated.

- 100% continuous current
- 110% current for 1 minute
- 150% for 3 seconds

HD = Heavy Duty Rated.

- 100% continuous current
- 150% current for 1 minute
- 200% for 3 seconds

IMPORTANT The Packaged Drive duty cycle rating is on the drive “System” data nameplate. The standard drive is used as a component in the enclosure and can indicate ratings on its nameplate that differ from the “System” data nameplate. The packaged drive system rating can be limited by other components that are sized for NEC/typical motor ratings. In all cases, the system nameplate data supersedes any component nameplate information. Unless otherwise stated, Normal Duty Rated packaged drives cannot be used on Heavy Duty applications.

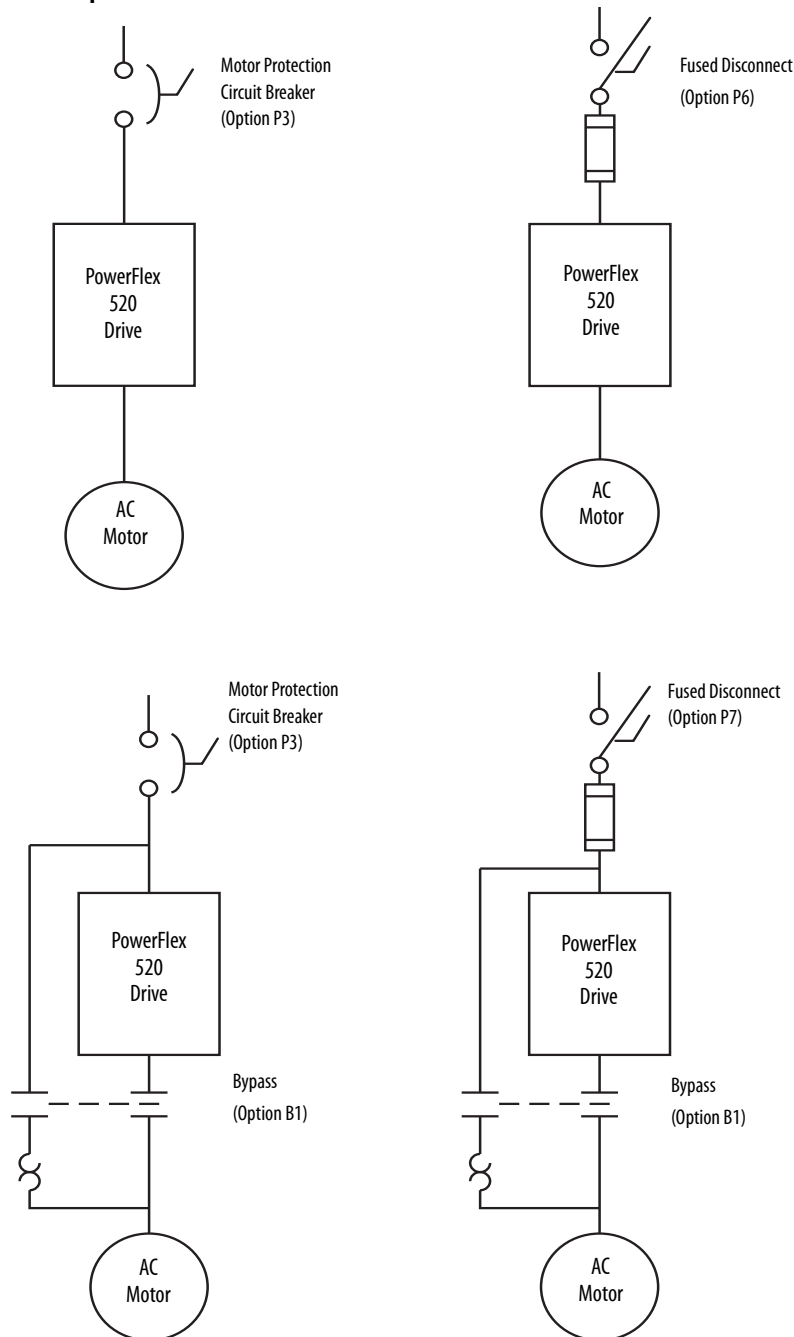
Ambient Temperature Rating

NEMA/UL Type 1, 12, 3R: 0...40 °C (32...104 °F)

Options

The power distribution schemes in [Figure 2](#) are for typical configurations. Actual specified configurations can vary with accepted design practices or code restrictions.

Figure 2 - Sample Power Distribution Schemes



Power Disconnect

Option		
P3	Motor Protection Circuit Breaker	This option disconnects drive power only. All ratings use a thermal magnetic type breaker. All mechanisms are through the door and include handle operators, door interlocking and are pad-lockable.
P6	Drive Disconnect Switch and Fuses	This option disconnects drive power only. A through-the-door pad-lockable disconnect switch with fuses is provided.

Operator Devices

Code	Option	Not Compatible With	Description
S1	Hand/Off/Auto Selector Switch	S4,S7	This option provides a factory-installed, 800F Series, door-mounted selector switch. The drive runs when the switch is in the "Hand" position, and stops when the switch is in "Off" position. In the "Auto" position, the drive will run/stop based on the closure of a remote dry contact. In order for the drive to run, enable or auxiliary stop/fault reset inputs (if used) must be present. If a drive connected HIM is present, the HIM "stop" stops the drive regardless of the selector switch position (the HIM "start" button is non-functional). The Hand/Off/Auto selector switch also determines the origin of the speed reference. Factory default is "Hand" = HIM (unless door-mounted pot option is provided) and "Auto" = remote analog reference. (This can be changed to communication option by customer). This option is not compatible with options S4 and S7.
S4	Auto/Manual Selector Switch	S1	This option provides a factory-installed, 800F Series, door-mounted Auto/Manual selector switch. The Auto/Manual selector switch determines the source of the actual drive speed reference. In Auto mode, speed source is the 0...10VDC analog input. In Manual mode, the speed source is parameter A410 (Preset Freq. 0). If the door-mounted HIM option is selected, it is the speed source in the Manual Mode. If the door-mounted Speed Potentiometer option is selected, it is the speed source in the Manual Mode. This option is not compatible with option S1.
S5	Run Pilot Light	—	This option provides a factory installed green, 800F Series, door-mounted pilot light. It is illuminated when the drive is in run mode.
S6	Fault Pilot Light	—	This option provides a factory installed red, 800F Series, door-mounted pilot light. It is illuminated when the drive is faulted.
S23	Clear Fault Pushbutton	S7	This option provides a factory-installed, 800F Series, door-mounted Clear Fault push button. It is not compatible with option S7.
S8	Forward/Reverse Selector Switch	—	This option provides a factory-installed, 800F Series, door-mounted Forward/Reverse selector switch. This selector switch determines motor direction when the drive is run.
S7	Start/Stop Pushbuttons	S1,S23	This option provides factory-installed, 800F Series, door-mounted Start and Stop push buttons. In all cases, the Stop input must be present before the drive will start. The stop pushbutton can also be used as a fault reset. This option is not compatible with options S1 and S23.
S18	Speed Potentiometer 1 Turn Pot	—	This option provides a factory-installed, 800F Series, door-mounted, single turn potentiometer. When this option is provided, it becomes the speed source for the Hand mode of the Hand/Off/Auto selector switch (Option S1), and the Manual mode of the Auto/Manual selector switch (Option S4).
S16	Drive Disable Mushroom Head Push Button	—	This option provides a factory-installed, 800F Series, door-mounted, maintained mushroom head pushbutton. When in the depressed position, the drive Safety 1 and Safety2 Inputs are disabled/opened. If the safety option, RS, is chosen, the Mushroom Head Pushbutton is wired into the safety relay and initiates a Category 1 Controlled Stop.

Communication Options

Code	Option	Description
MD	DeviceNet	This option provides a factory installed DeviceNet communications adapter, 25-COMM-D, in the drive. It is not compatible with options MP, ME, QD, QE, and QF.
ME	Dual-port EtherNet/IP	This option provides a factory installed Dual-port EtherNet/IP Communications Adapter, 25-COMM-E2P, in the drive. It is not compatible with options MD, MP, QD, QE, and QF.
QD	DeviceNet Quick Disconnect	This option provides a MINI, 5-pin, bulkhead, female receptacle that is wired to the drive-mounted DeviceNet module. The connector is located through the bottom of the enclosure providing a quick disconnect. This option is designed to enhance the DeviceNet offering, and is not compatible with options MD, MP, ME, QE, and QF. ⁽¹⁾
QE	EtherNet/IP Quick Disconnect	This option provides a 4-pin, bulkhead, female M12 receptacle that is wired to the drive EtherNet/IP input. The connector is located through the bottom of the enclosure providing a quick disconnect. This option is designed to enhance the standard EtherNet/IP offering, and is not compatible with options MD, MP, ME, QD, and QF. ⁽¹⁾
QF	Dual-port EtherNet/IP Quick Disconnect	This option provides two 4-pin, bulkhead, female M12 receptacles that are wired to the drive-mounted Dual-port EtherNet/IP module. The connectors are located through the bottom of the enclosure providing quick disconnects. This option is designed to enhance the Dual-port EtherNet/IP offering, and is not compatible with options MD, MP, ME, QD, and QE. ⁽¹⁾

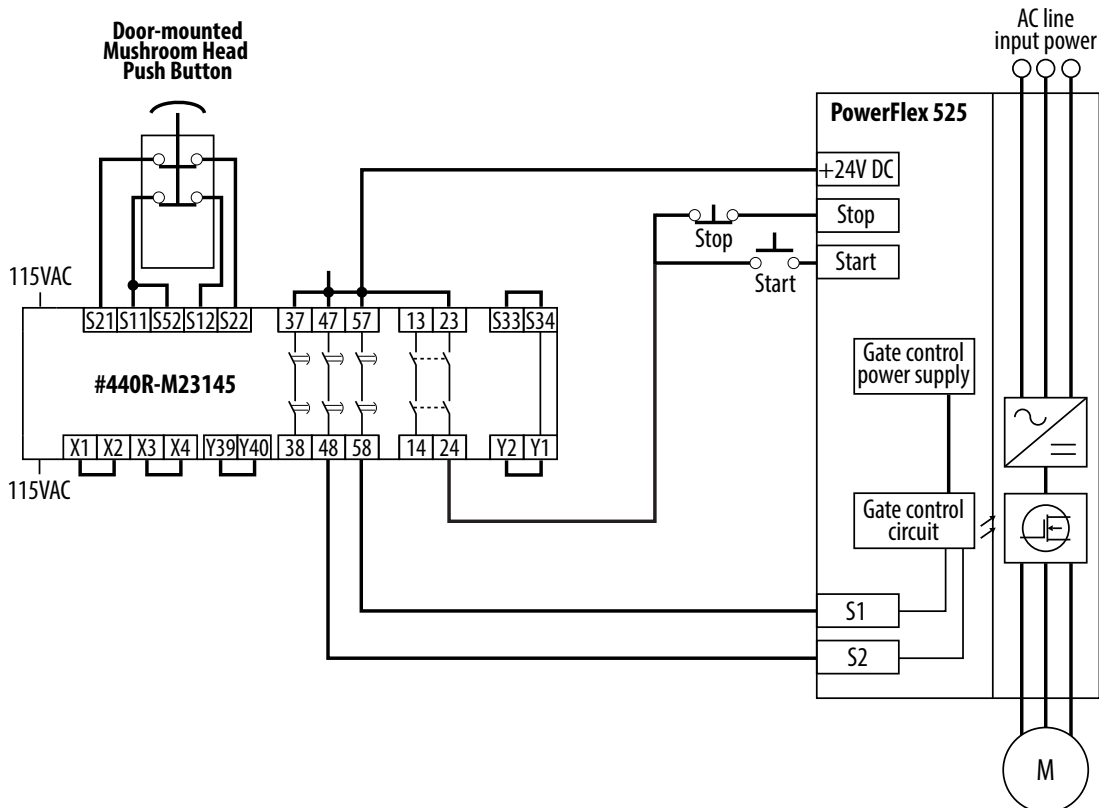
(1) The drive cabinet cannot be UL Certified for Type 12 when any of the Quick Disconnect options (QD, QE, and QF) are selected.

Human Interface Module

Code	Option	Description
H6	HIM	This option provides a factory-installed, door-mounted LCD HIM module, 22-HIM-C2S. Not available on the NEMA 1 enclosure. For indoor use only on NEMA 12 enclosure.

Category 1 Controlled Stop Option

Code	Option	Description
RS	Safety Stop	This option provides a factory-installed safety relay that is wired in a Category 1 Controlled Stop.



This option provides a safety relay (part number: 440R-M23145) mounted in the enclosure with the drive that is wired in a Category 1 Controlled Stop configuration. This is a dual-channel system with monitoring of the Safe-Torque-Off circuit and drive. This option requires a door-mounted, mushroom-head pushbutton option to be selected. Engaging the pushbutton opens the input circuits of the safety relay. The output circuits issue a Stop command to the drive that causes a controlled deceleration. After the programmed delay, the timed output circuits cause the Safe-Torque-Off Enable circuit to trip. If the motor is rotating when the trip occurs, it will coast to stop. To restart the drive, pull out the maintained mushroom-head pushbutton to reset the safety relay and drive.

If the safety input circuits detect a fault, the system will lockout at the next operation. The safety function is not affected.

If the PowerFlex 520 safety-enabled redundant inputs detect a fault, the drive will lockout. The safety function is not affected.

Motor Speed Feedback

Code	Option	Description
EF	Encoder Feedback	This option provides a factory-installed, drive-mounted incremental encoder option module, 25-ENC-1.

Electronic Drawings

Description
Final Drawings (as shipped) 279 x 432 mm (11 x 17 in.) One set of schematics that are shipped in the cabinet. PDF version available for download.

Codes and Standards

Code	Description
UL	Based on UL 508A

Enclosure Information

The information in this document can be useful for pre-installation decisions. Consideration must be given to enclosure type (environment), enclosure size (mounting area available and mounting convention), panel layouts (customer wiring connection locations and extra customer mounting area), terminal block descriptions, and catalog number definition.

Dimensions

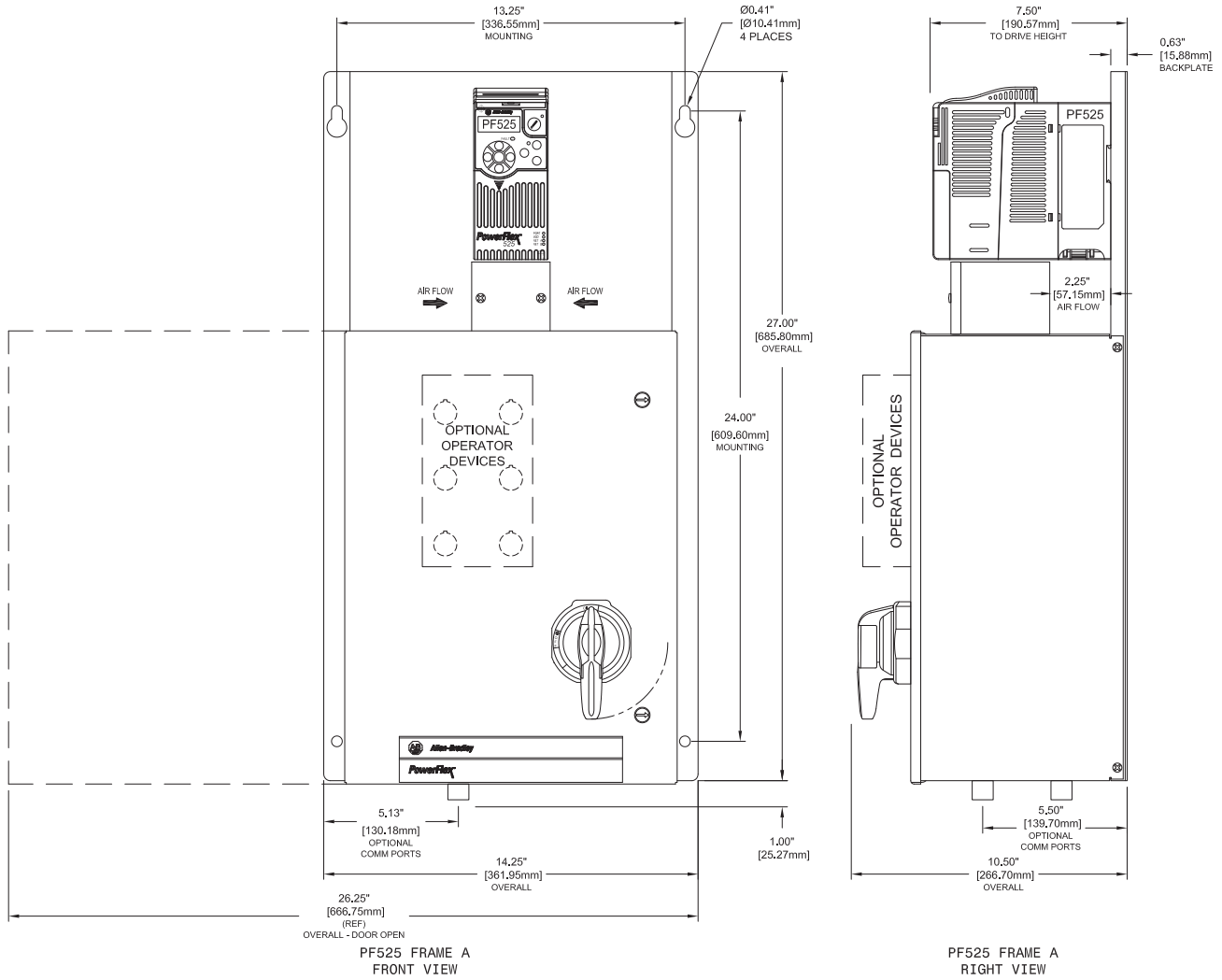
Dimensions for each frame enclosure type are as follows.

Frame Type	Page
Type 1, Frame A	12
Type 1, Frame B	13
Type 1, Frame C	14
Type 1, Frame D	15
Type 1, Frame E	16
Type 12, No Bypass or Line Reactor, Frames A, B, C, D	17
Type 12, No Bypass or Line Reactor, Frame E	18
Type 12, Bypass and/or Line Reactor, Frames A and B	19
Type 12, Bypass and/or Line Reactor, Frames C and D	20
Type 12, Bypass and/or Line Reactor, Frame E	21
Type 3R, Frames A and B	22
Type 3R, Frames C and D	23
Type 3R, Frame E	24

Type 1, Frame A

- 1 Phase, 120V AC input, 0.25 Hp Normal Duty...0.5 Hp Heavy Duty
- 1 Phase, 240V AC input, 0.25 Hp Normal Duty...1 Hp Heavy Duty
- 3 Phase, 240V AC input, 0.5 Hp Normal Duty...3 Hp Heavy Duty
- 3 Phase, 480V AC input, 0.5 Hp Normal Duty...3 Hp Heavy Duty
- 3 Phase, 600V AC input, 0.5 Hp Normal Duty...3 Hp Heavy Duty

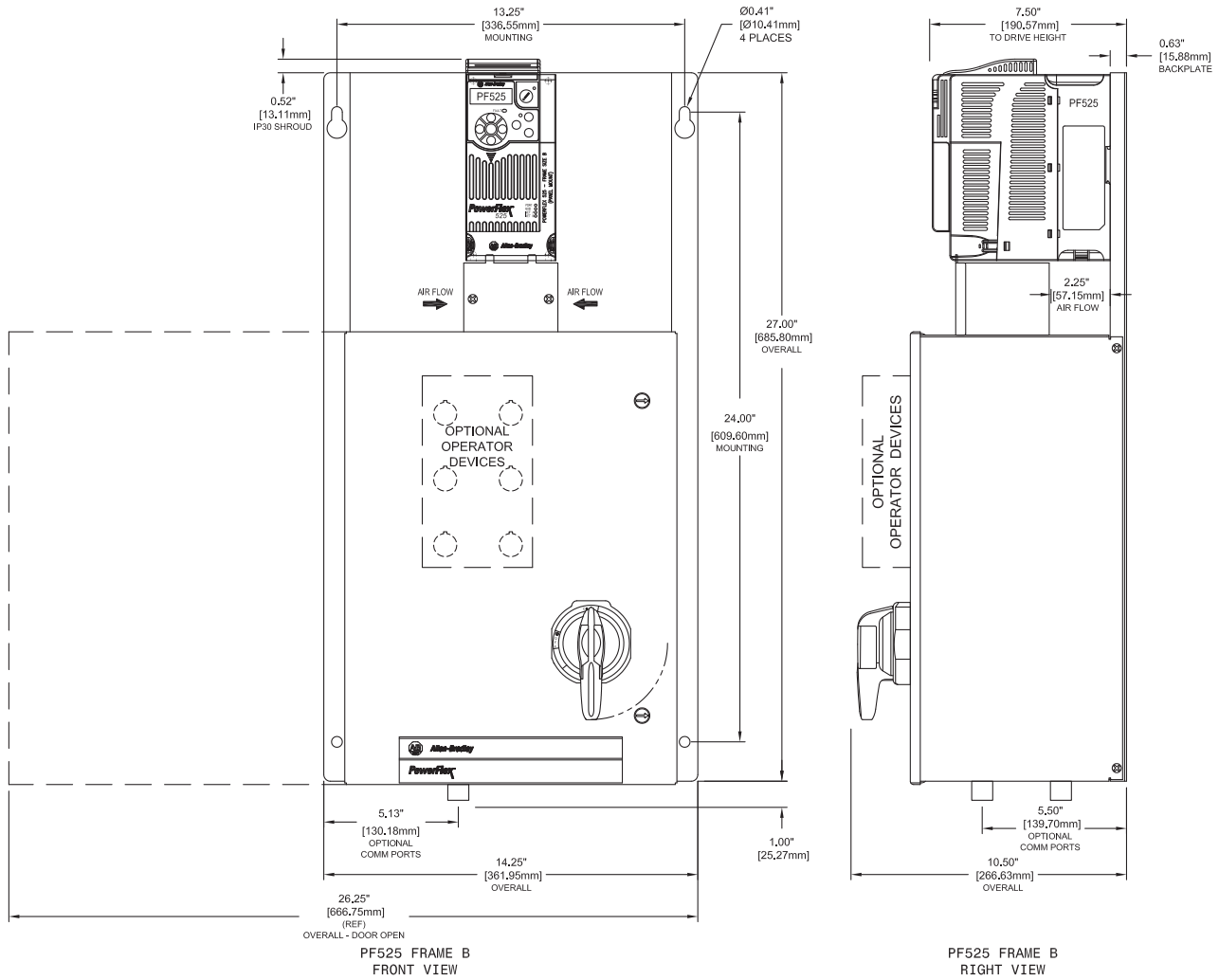
Figure 3 - Type 1, Frame A



Type 1, Frame B

- 1 Phase, 120V AC input, 1 Hp Normal Duty...1.5 Hp Heavy Duty
- 1 Phase, 240V AC input, 2 Hp Normal Duty...3 Hp Heavy Duty
- 3 Phase, 240V AC input, 5 Hp Normal Duty...5 Hp Heavy Duty
- 3 Phase, 480V AC input, 5 Hp Normal Duty...5 Hp Heavy Duty
- 3 Phase, 600V AC input, 5 Hp Normal Duty...5 Hp Heavy Duty

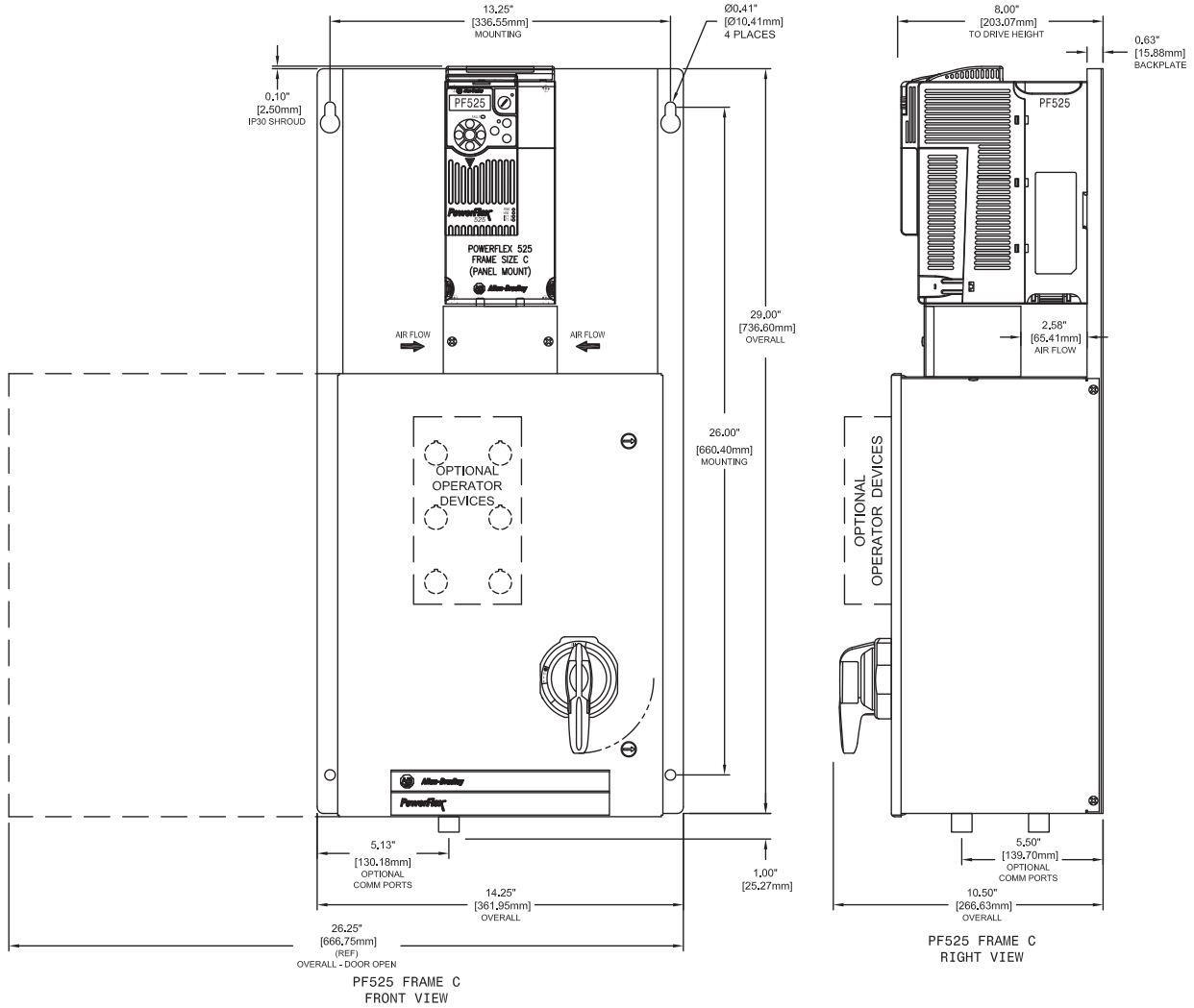
Figure 4 - Type 1, Frame B



Type 1, Frame C

- 3 Phase, 240V AC input, 7.5 Hp Normal Duty...7.5 Hp Heavy Duty
- 3 Phase, 480V AC input, 7.5 Hp Normal Duty...10 Hp Heavy Duty
- 3 Phase, 600V AC input, 7.5 Hp Normal Duty...10 Hp Heavy Duty

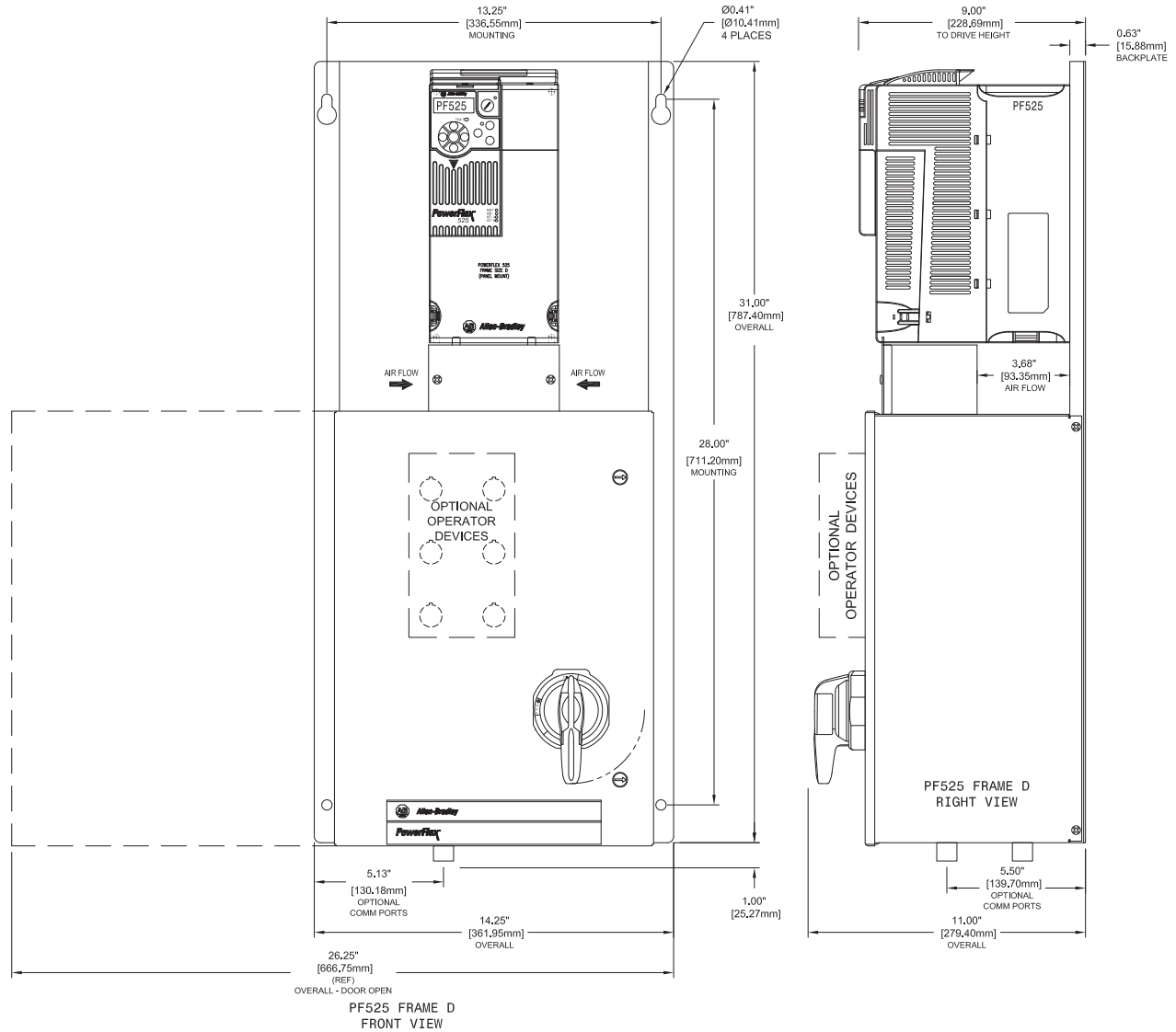
Figure 5 - Type 1, Frame C



Type 1, Frame D

- 3 Phase 240V AC input 10 Hp Normal Duty...10 Hp Heavy Duty
- 3 Phase 480V AC input 15 Hp Normal Duty...20 Hp Normal Duty
- 3 Phase 480V AC input 15 Hp Heavy Duty...15 Hp Heavy Duty
- 3 Phase 600V AC input 15 Hp Normal Duty...0 Hp Normal Duty
- 3 Phase 600V AC input 15 Hp Heavy Duty...5 Hp Heavy Duty

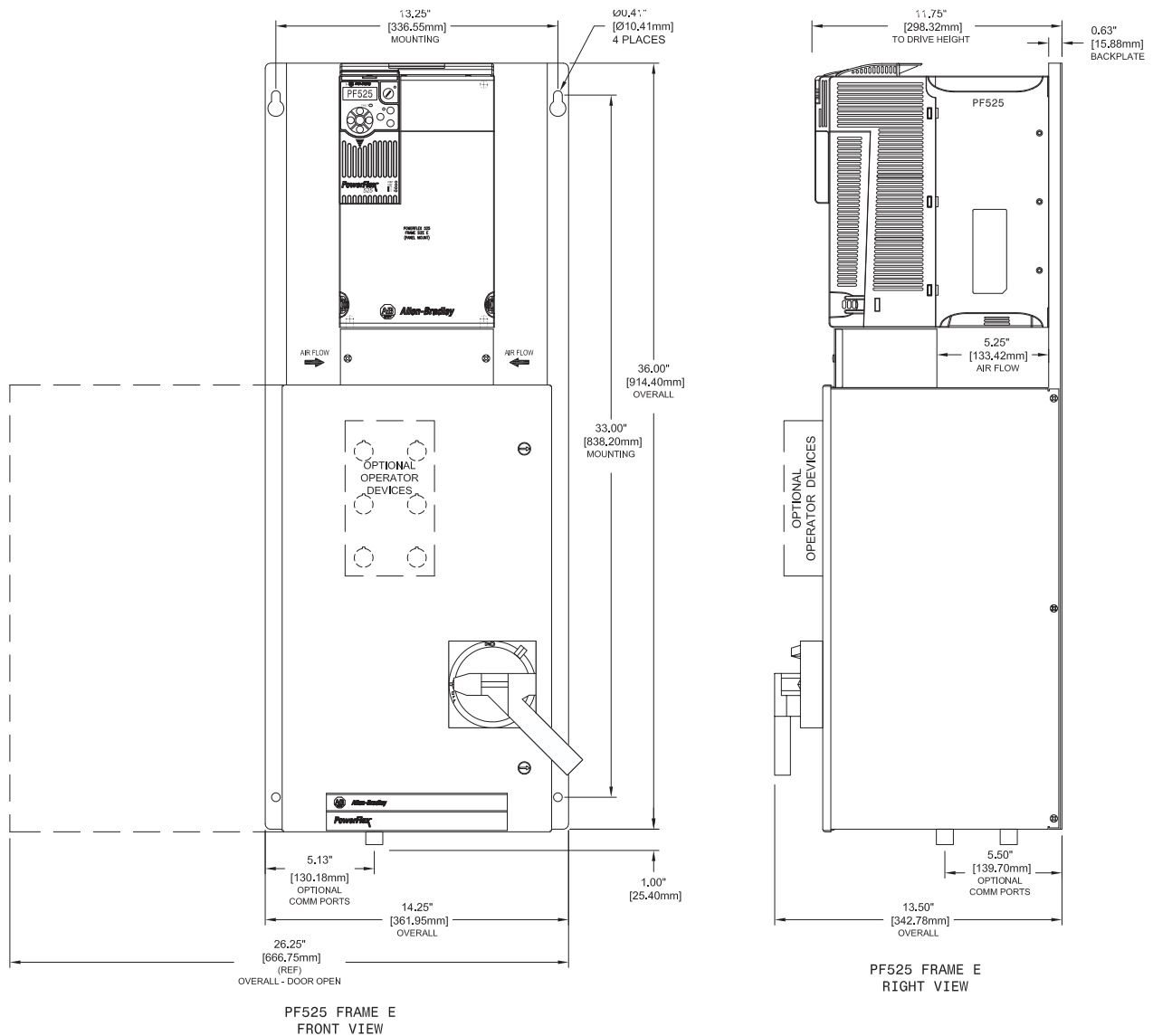
Figure 6 - Type 1, Frame D



Type 1, Frame E

- 3 Phase 240V AC input 15 Hp Normal Duty...20 Hp Normal Duty
- 3 Phase 240V AC input 15 Hp Heavy Duty...15 Hp Heavy Duty
- 3 Phase 480V AC input 25 Hp Normal Duty...30 Hp Normal Duty
- 3 Phase 480V AC input 20 Hp Heavy Duty...25 Hp Heavy Duty
- 3 Phase 600V AC input 25 Hp Normal Duty...30 Hp Normal Duty
- 3 Phase 600V AC input 18.5 Hp Heavy Duty...22 Hp Heavy Duty

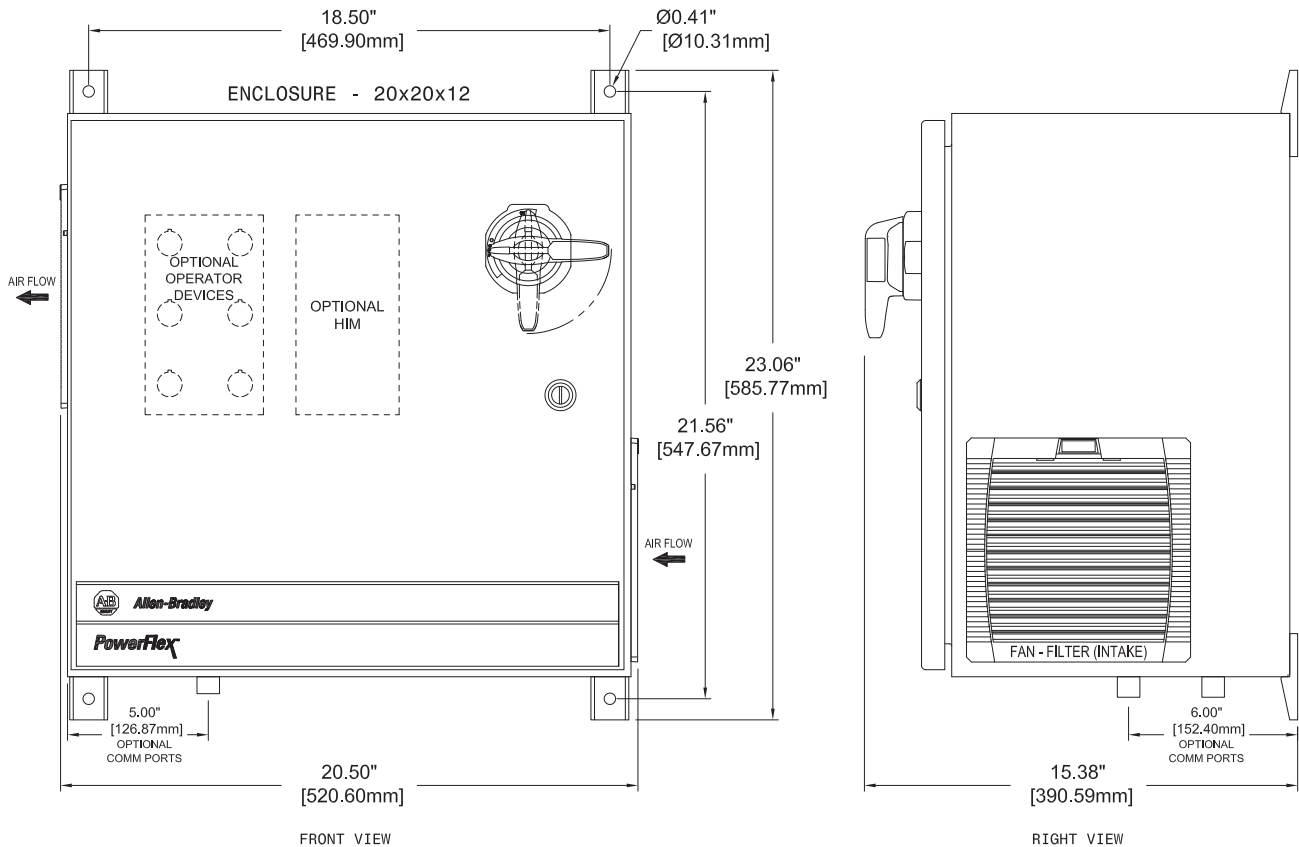
Figure 7 - Type 1, Frame E



Type 12, No Bypass or Line Reactor, Frames A, B, C, and D

- 1 Phase, 120V AC input, 0.25 Hp Normal Duty...1.5 Hp Heavy Duty
- 1 Phase, 240V AC input, 0.25 Hp Normal Duty...3 Hp Heavy Duty
- 3 Phase, 240V AC input, 0.5 Hp Normal Duty...10 Hp Heavy Duty
- 3 Phase, 480V AC input, 0.5 Hp Normal Duty...15 Hp Heavy Duty
- 3 Phase, 600V AC input, 0.5 Hp Normal Duty...15 Hp Heavy Duty

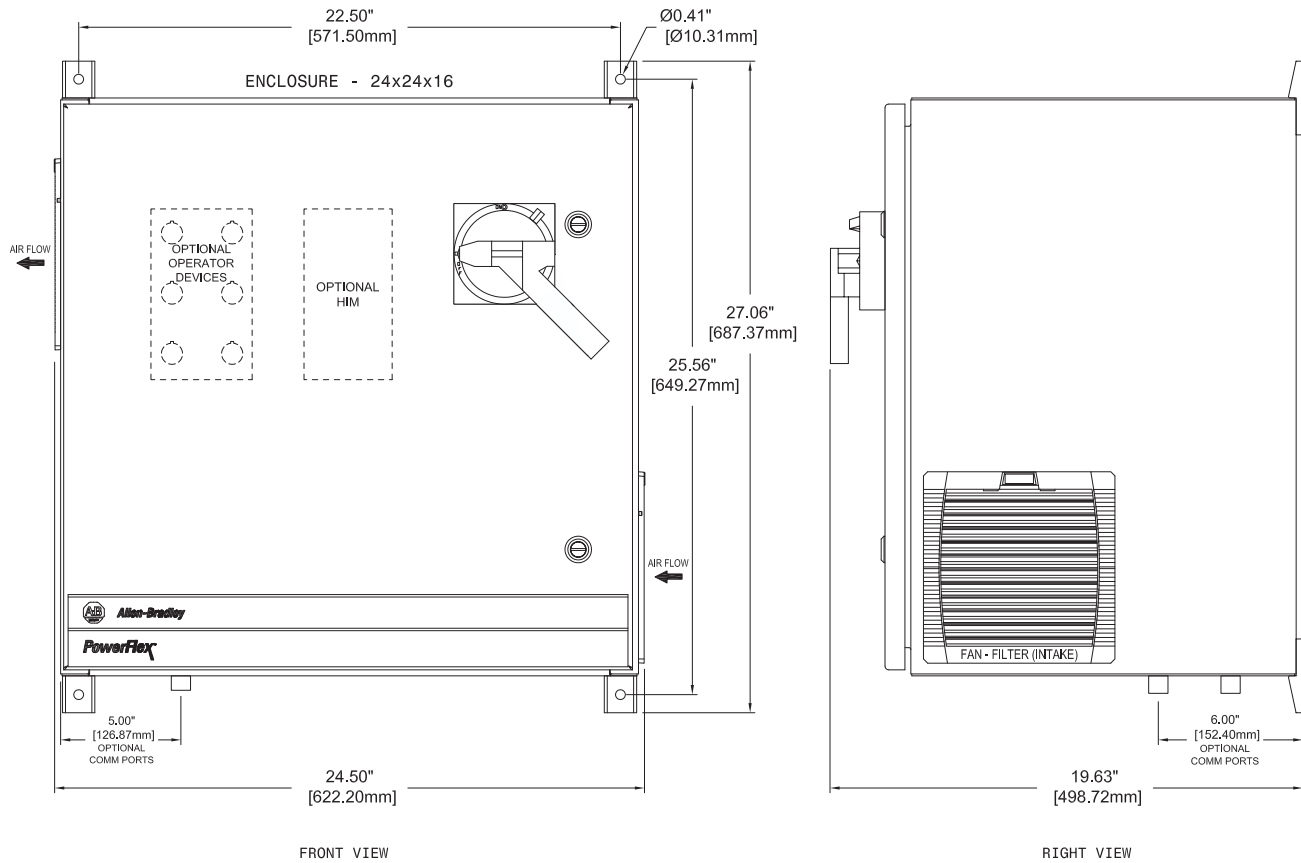
Figure 8 - Type 12, No Bypass or Line Reactor, Frames A, B, C, and D



Type 12, No Bypass or Line Reactor, Frame E

- 3 Phase, 240V AC input, 15 Hp Normal Duty...20 Hp Normal Duty
- 3 Phase, 240V AC input, 15 Hp Heavy Duty...15 Hp Heavy Duty
- 3 Phase, 480V AC input, 25 Hp Normal Duty...30 Hp Normal Duty
- 3 Phase, 480V AC input, 20 Hp Heavy Duty...25 Hp Heavy Duty
- 3 Phase, 600V AC input, 25 Hp Normal Duty...30 Hp Normal Duty
- 3 Phase, 600V AC input, 18.5 Hp Heavy Duty...22 Hp Heavy Duty

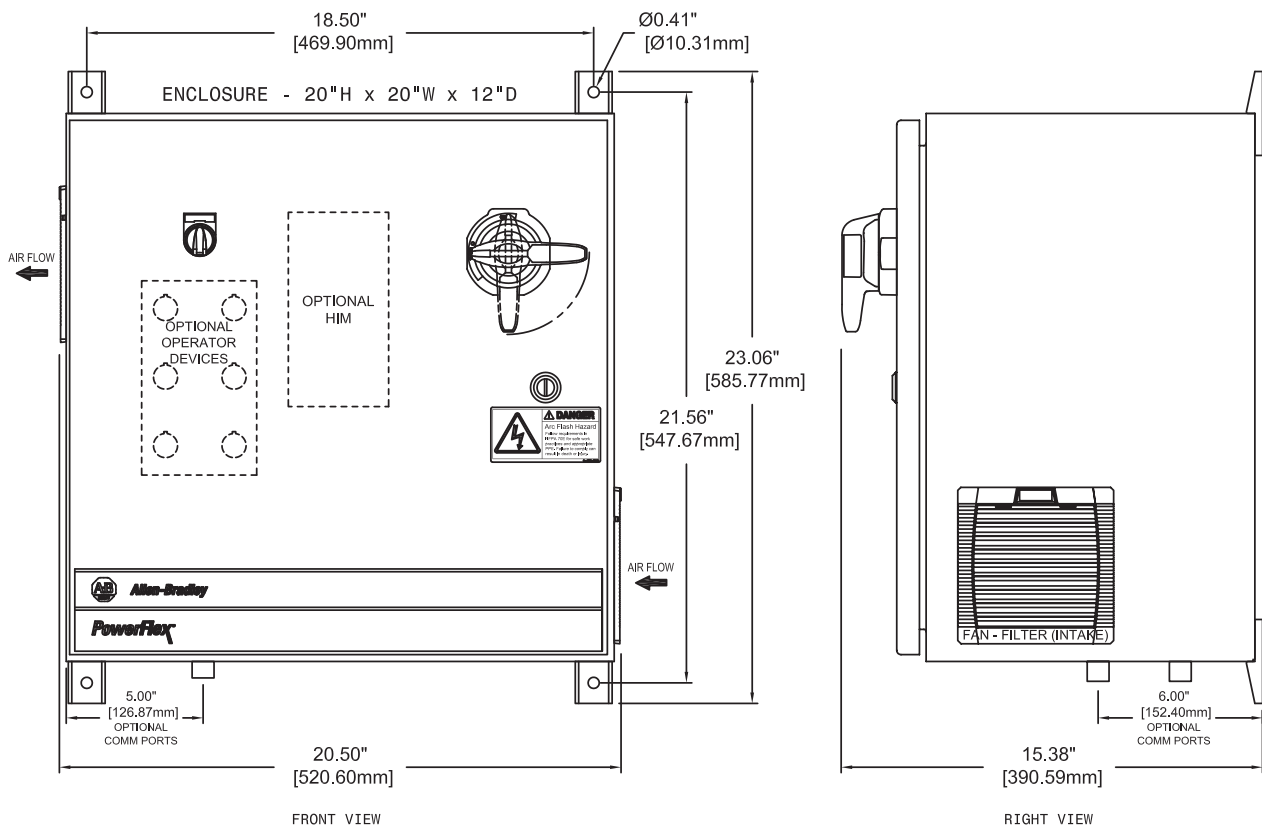
Figure 9 - Type 12, No Bypass or Line Reactor, Frame E



Type 12, Bypass and/or Line Reactor, Frames A and B

- 1 Phase 120V AC input, 0.5 Hp Normal Duty...1.5 Hp Heavy Duty
- 1 Phase 240V AC input, 0.5 Hp Normal Duty...3 Hp Heavy Duty
- 3 Phase 240V AC input, 0.5 Hp Normal Duty...5 Hp Heavy Duty
- 3 Phase 480V AC input, 0.5 Hp Normal Duty...5 Hp Heavy Duty
- 3 Phase 600V AC input, 0.5 Hp Normal Duty...5 Hp Heavy Duty

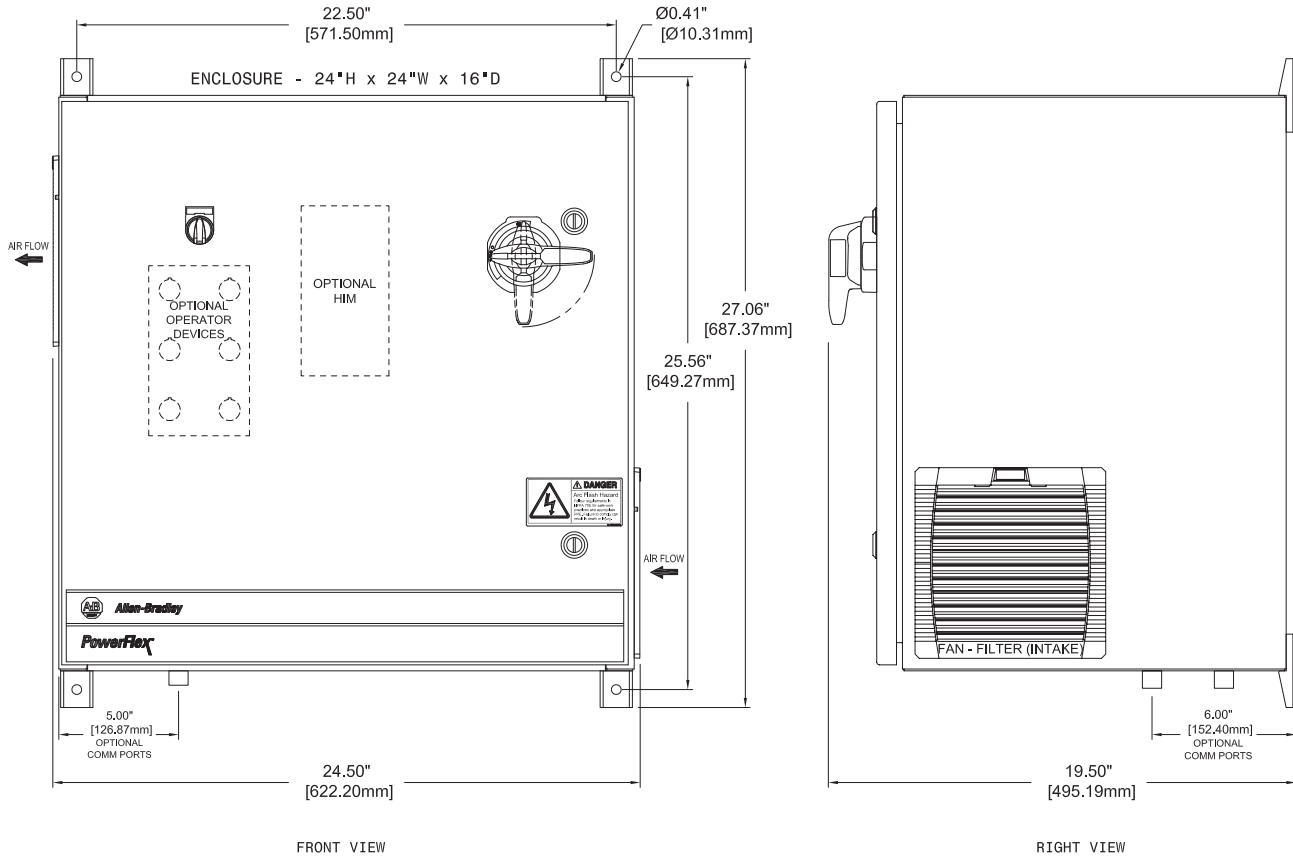
Figure 10 - Type 12, Bypass and/or Line Reactor, Frames A and B



Type 12, Bypass and/or Line Reactor, Frames C and D

- 3 Phase 240V AC input 7.5 Hp Normal Duty...10 Hp Heavy Duty
- 3 Phase 480V AC input 7.5 Hp Normal Duty...15 Hp Heavy Duty
- 3 Phase 600V AC input 7.5 Hp Normal Duty...15 Hp Heavy Duty

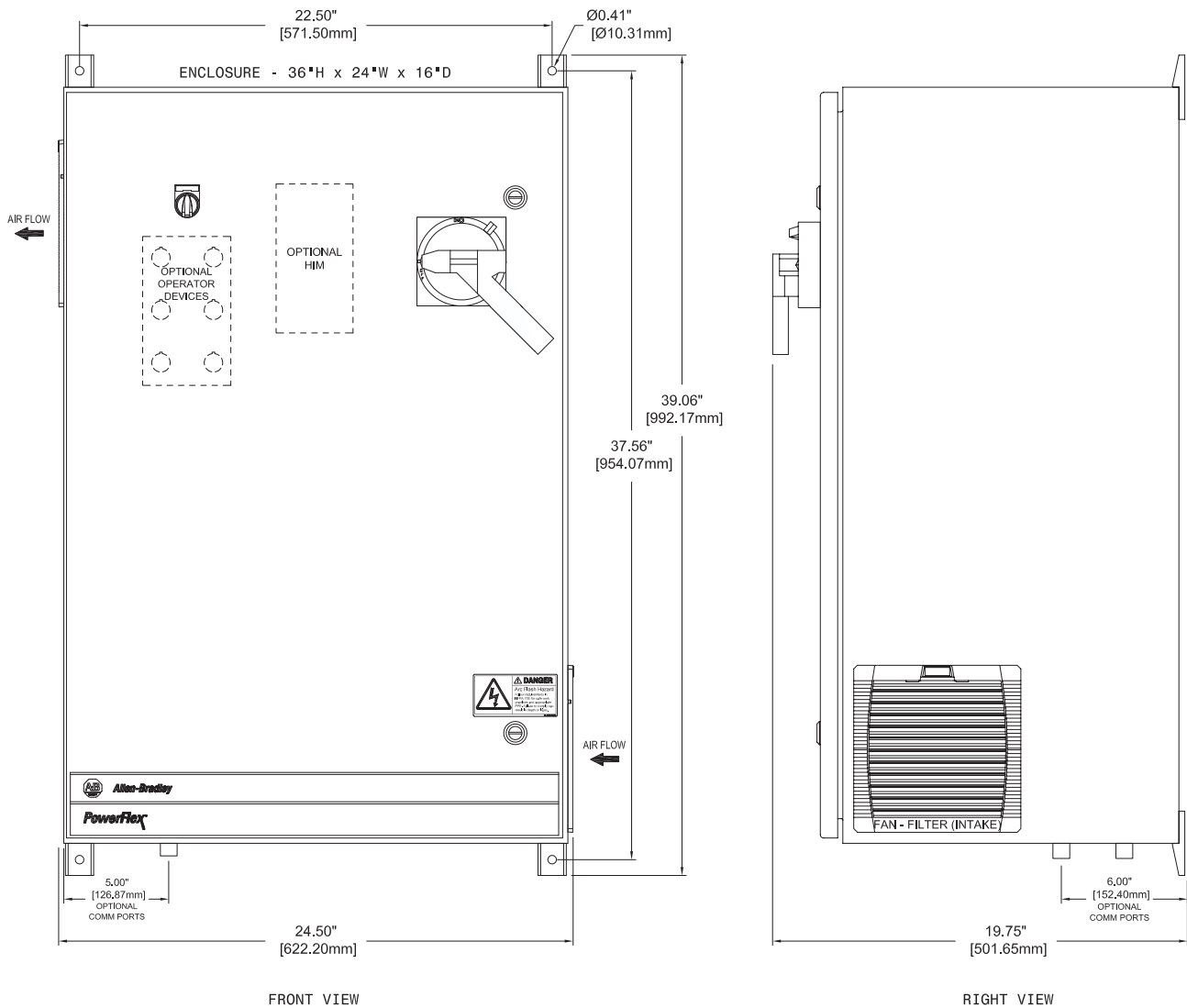
Figure 11 - Type 12, Bypass and/or Line Reactor, Frames C and D



Type 12, Bypass and/or Line Reactor, Frame E

- 3 Phase 240V AC input 15 Hp Normal Duty...15 Hp Heavy Duty
- 3 Phase 480V AC input 25 Hp Normal Duty...25 Hp Heavy Duty
- 3 Phase 600V AC input 25 Hp Normal Duty...25 Hp Heavy Duty

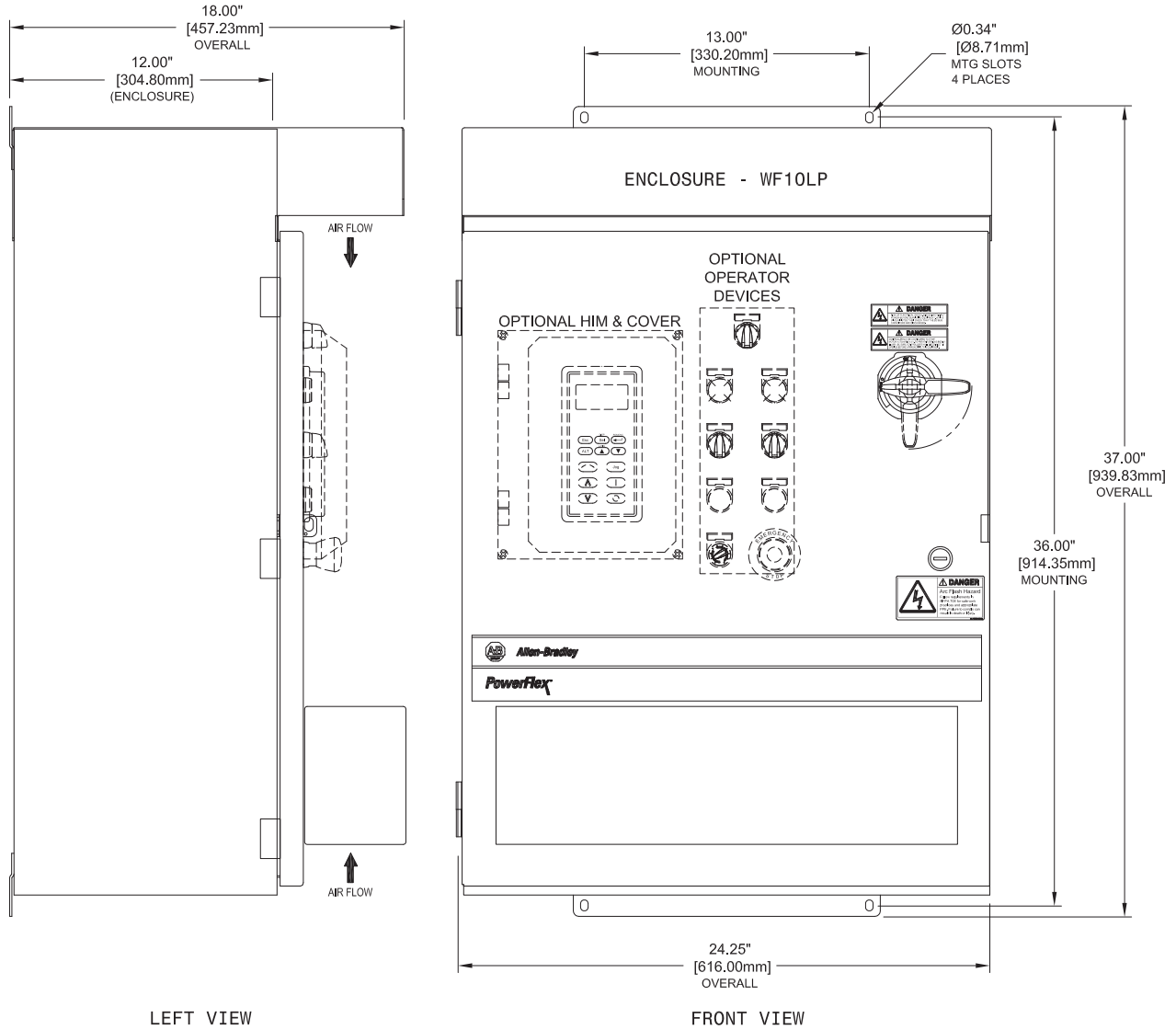
Figure 12 - Type 12, Bypass and/or Line Reactor, Frame E



Type 3R, Frames A and B

- 1 Phase, 120V AC input, 0.5 Hp Normal Duty...1.5 Hp Heavy Duty
- 1 Phase, 240V AC input, 0.5 Hp Normal Duty...3 Hp Heavy Duty
- 3 Phase, 240V AC input, 0.5 Hp Normal Duty...5 Hp Heavy Duty
- 3 Phase, 480V AC input, 0.5 Hp Normal Duty...5 Hp Heavy Duty
- 3 Phase, 600V AC input, 0.5 Hp Normal Duty...5 Hp Heavy Duty

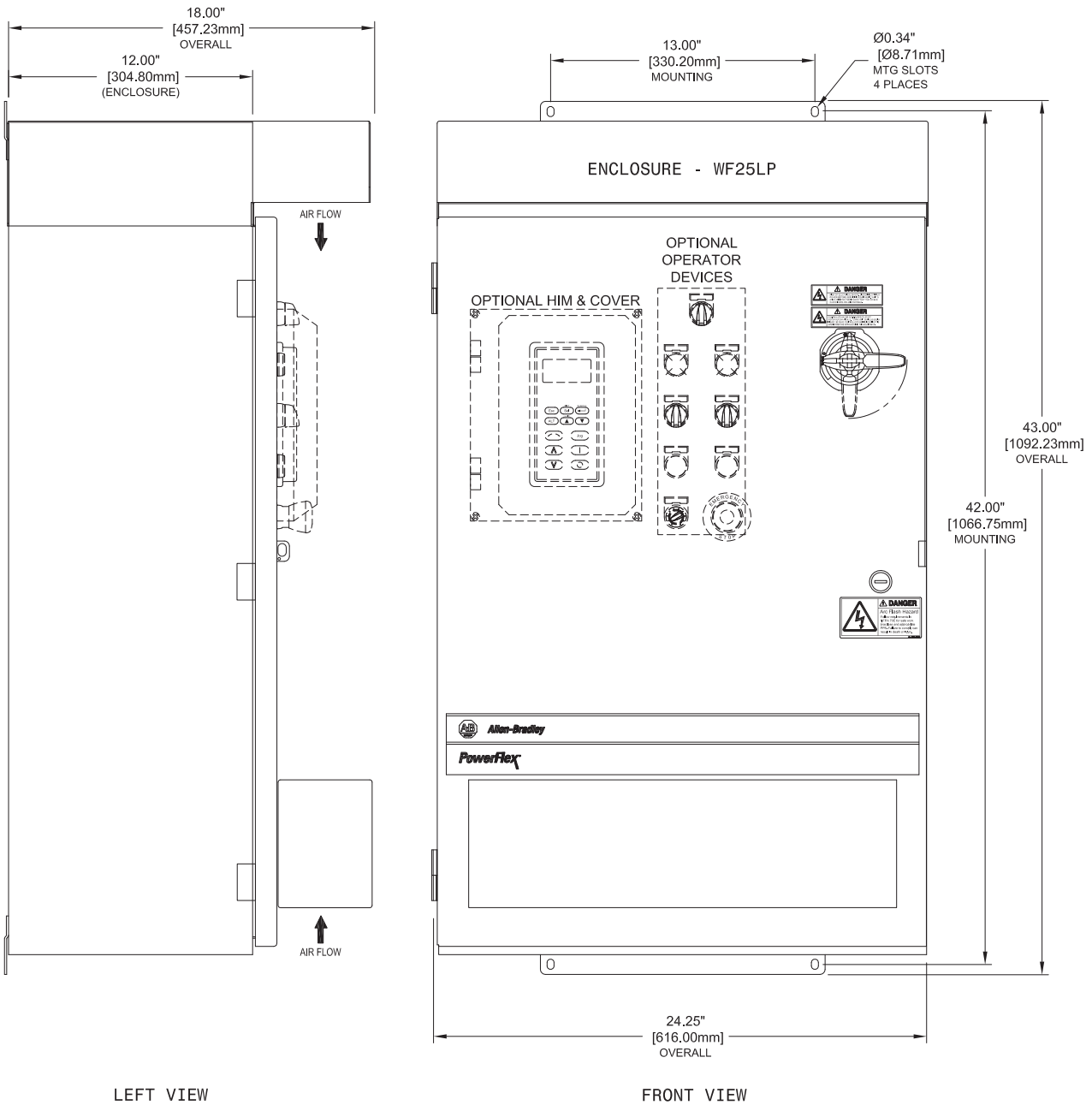
Figure 13 - Type 3R, Frames A and B



Type 3R, Frames C and D

- 3 Phase, 240V AC input, 7.5 Hp Normal Duty...7.5 Hp Heavy Duty
- 3 Phase, 480V AC input, 7.5 Hp Normal Duty...10 Hp Heavy Duty
- 3 Phase, 600V AC input, 7.5 Hp Normal Duty...10 Hp Heavy Duty
- 3 Phase, 240V AC input, 10 Hp Normal Duty...10 Hp Heavy Duty
- 3 Phase, 480V AC input, 15 Hp Normal Duty...15 Hp Heavy Duty
- 3 Phase, 600V AC input, 15 Hp Normal Duty...15 Hp Heavy Duty

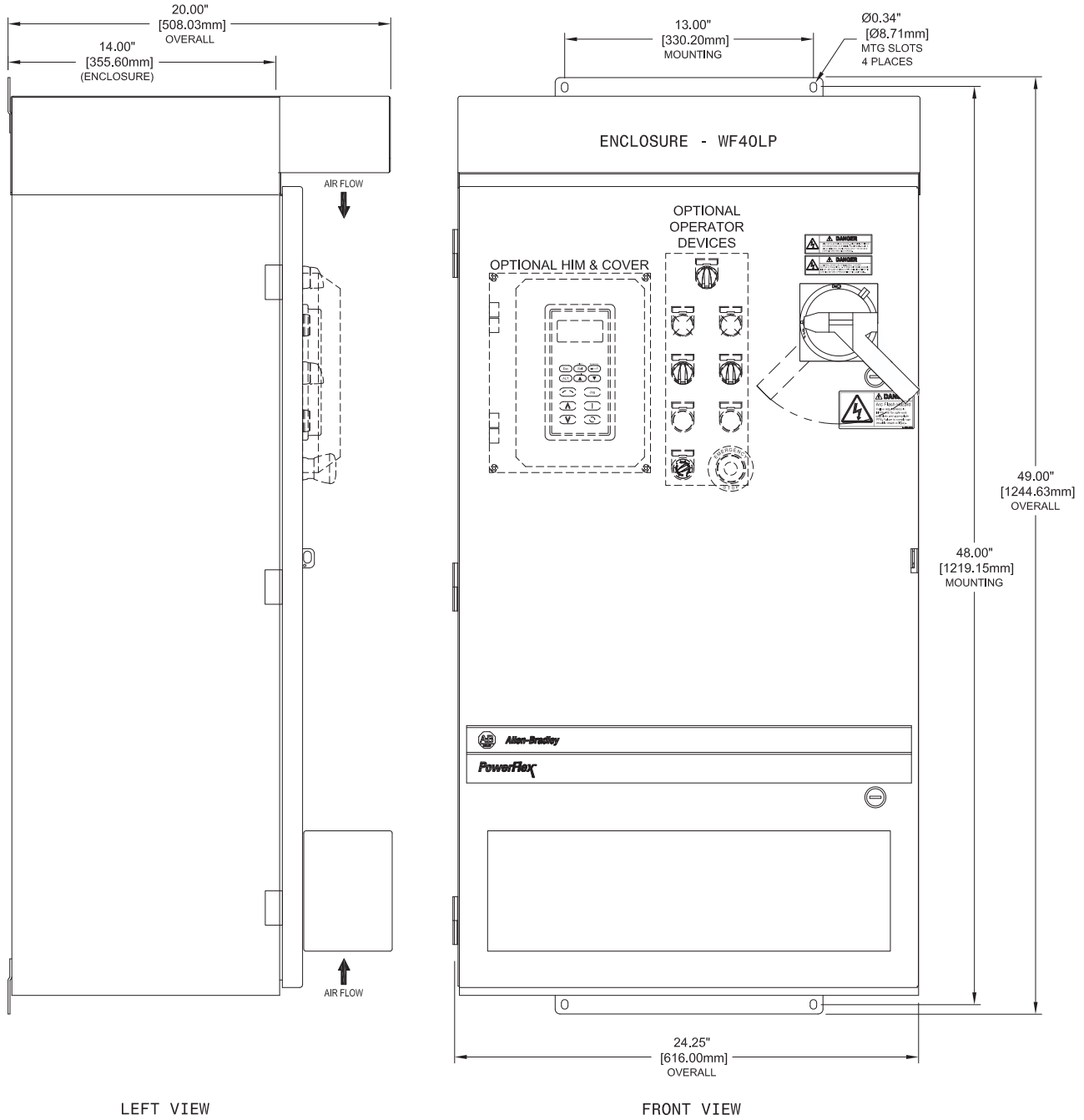
Figure 14 - Type 3R, Frames C and D



Type 3R, Frame E

- 3 Phase 240V AC input 15 Hp Normal Duty...15 Hp Heavy Duty
- 3 Phase 480V AC input 25 Hp Normal Duty...25 Hp Heavy Duty
- 3 Phase 600V AC input 25 Hp Normal Duty...25 Hp Heavy Duty

Figure 15 - Type 3R, Frame E



Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
PowerFlex 520-Series Family Brochure, publication 520-BR001	Overview of the PowerFlex 523, 525, and 527 AC drive offerings
PowerFlex Drive Family At-A-Glance, publication PFLEX-BR008	Overview of all PowerFlex Low Voltage AC drives
PowerFlex Drives Family Selection Guide, publication PFLEX-SG002	Overview of PowerFlex drives, including line and load options, tools and resources, and services and support
PowerFlex 520-Series Adjustable Frequency AC Drive User Manual, publication 520-UM001	Provides basic information to install, start-up, and troubleshoot the PowerFlex 520-Series Drive
PowerFlex 520-Series AC Drive Specifications, Technical Data, publication 520-TD001	Provides features, technical and environmental specifications, certifications, dimensions and weights, design considerations for the PowerFlex 520 Series Drive
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, http://www.rockwellautomation.com/global/certification/overview.page	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/global/literature-library/overview.page>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

Rockwell Automation Support

Use the following resources to access support information.

Technical Support Center	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	www.rockwellautomation.com/knowledgebase
Local Technical Support Phone Numbers	Locate the phone number for your country.	www.rockwellautomation.com/global/support/get-support-now.page
Direct Dial Codes	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	www.rockwellautomation.com/global/support/direct-dial.page
Literature Library	Installation Instructions, Manuals, Brochures, and Technical Data.	www.rockwellautomation.com/literature
Product Compatibility and Download Center (PCDC)	Get help determining how products interact, check features and capabilities, and find associated firmware.	www.rockwellautomation.com/global/support/pcdc.page

Documentation Feedback

Your comments will help us serve your documentation needs better. If you have any suggestions on how to improve this

Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>.

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