



PowerFlex 400 Adjustable Frequency AC Drive

Catalog Number Z2C, Series B



ATTENTION

- Before installing, configuring, operating or maintaining this product, read this document and the documents listed in the Additional Resources section for installation, programming, or operating equipment. Users should familiarize themselves with instructions and safety instructions in addition to requirements of all applicable codes, laws, and standards.
- Installation, adjustments, putting into service, use, assembly, disassembly and repair must be performed by qualified, trained personnel in accordance with applicable code of practice.
- If this equipment is used in a manner not specified by this manufacturer, the user assumes the responsibility for the consequences.
- Read safety equipment manufacturer's instructions for the use of the equipment. Read the instructions for the use of the equipment. Read the instructions for the use of the equipment. Read the instructions for the use of the equipment.



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Additional Resources

These documents contain additional information concerning the installation, programming, and application of the AC drive.

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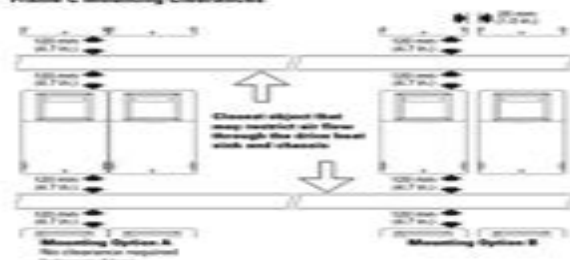
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Mounting Considerations

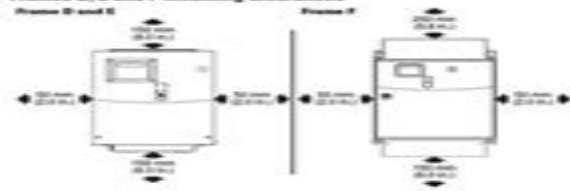
- Mount the drive upright on a flat, vertical and level surface.
- Prevent the cooling fan from blowing dust or debris into the drive.
- Do not expose to excessive vibration.
- Protect from moisture and direct sunlight.

Minimum Mounting Clearances

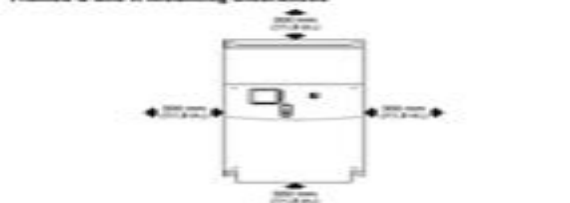
Frame C Mounting Clearances



Frames D, E and F Mounting Clearances



Frames G and H Mounting Clearances



Ambient Operating Temperatures

Frame	Temperature Range	Ambient Rating	Minimum Mounting Clearances
C	-40 to 100 °C (-40 to 212 °F)	IP40/UL Type I	Mounting Option A
D	-40 to 100 °C (-40 to 212 °F)	IP40/UL Type I	Mounting Option B
E	-40 to 100 °C (-40 to 212 °F)	IP40/UL Type I	Mounting Option C
F	-40 to 100 °C (-40 to 212 °F)	IP40/UL Type I	Mounting Option D
G	-40 to 100 °C (-40 to 212 °F)	IP40/UL Type I	Mounting Option E
H	-40 to 100 °C (-40 to 212 °F)	IP40/UL Type I	Mounting Option F

Notes: 1. Ambient temperature is the temperature of the air surrounding the drive. 2. The ambient temperature is the temperature of the air surrounding the drive.

Drive Dimensions

PowerFlex 400 Frames

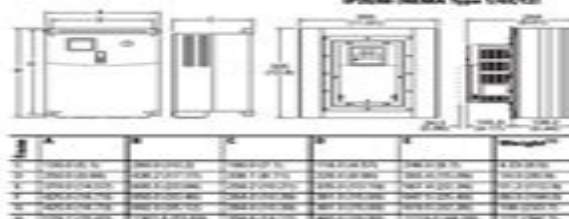
Output Power	Frame Size
0.5 to 1.5 kW	Frame C
2 to 5 kW	Frame D
7.5 to 15 kW	Frame E
20 to 30 kW	Frame F
37 to 55 kW	Frame G
75 to 110 kW	Frame H

PowerFlex 400 Frames C-H

Dimensions are in mm and (in.). Weights are in kg and (lb).

IP40/UL Type I, Type II

Change Mount for Frame C (IP40/UL Type I, Type II)



Weights (kg) and (lb) are shown in parentheses.

Specifications, Fuses and Circuit Breakers

Frame Size	Output Rating	Input Rating	Breaker Protection	Fuse Rating
Frame C	0.5 to 1.5 kW	1.5 to 2.0 kW	1.5 to 2.0 kW	1.5 to 2.0 kW
Frame D	2 to 5 kW	5 to 7.5 kW	5 to 7.5 kW	5 to 7.5 kW
Frame E	7.5 to 15 kW	15 to 20 kW	15 to 20 kW	15 to 20 kW
Frame F	20 to 30 kW	30 to 40 kW	30 to 40 kW	30 to 40 kW
Frame G	37 to 55 kW	55 to 75 kW	55 to 75 kW	55 to 75 kW
Frame H	75 to 110 kW	110 to 150 kW	110 to 150 kW	110 to 150 kW

- 1. Recommended frame size for Frame C, D, E, F, G, H, and I is 100 mm (3.9 in.).
- 2. Refer to the AC Drive Selection Guide for more information. See <http://www.ab.com/literature> for more information.
- 3. The frame size of the drive is indicated by the frame size code. See <http://www.ab.com/literature> for more information.
- 4. The frame size of the drive is indicated by the frame size code. See <http://www.ab.com/literature> for more information.

Other using a standard 200V AC Drive Selection Guide for more information. See <http://www.ab.com/literature> for more information.

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Allen Bradley 1331 Manual

G Thomas



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web this automatic battery charger circuit is mainly involves two sections power supply section and load comparison section the main supply voltage 230v 50hz is connected to the primary winding of the center tapped transformer to step down the voltage to 15 0 15v the output of the transformer is connected to the diodes d1 d2

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