

Fuses and Circuit Breakers for PowerFlex 520-Series Drives (continued)

200...240V 3-Phase Input Protection Devices – Frames A...E

| Catalog No. ⁽¹⁾ | Output Ratings | | | | | | Input Ratings | | | Frame Size | | Contactor Catalog No. | IEC Applications (Non-UL) | | | UL Applications | | | Min. Enclosure Vol. (in. ³) | | |
|----------------------------|----------------|------|------|------|------|------|---------------|-------------------------|------|------------|------|-----------------------|---------------------------|------------------|-----------------------------------|-----------------|---------------------|-----------------------------------|---|------------------|---------------|
| | PF 525 | ND | | HD | | Amps | kVA | Max Amps ⁽²⁾ | 140M | 140U/140G | 140M | | Fuses (Rating) | | Circuit Breakers | | Fuses (Max. Rating) | | | Circuit Breakers | |
| | | HP | kW | HP | kW | | | | | | | | Min. | Max. | 140U/140G | 140M | Class / Catalog No. | 140U/140G | | 140M-C2E-B25 | 140U-D6D3-B30 |
| 25A-B1P0N104 | – | 0.25 | 0.2 | 0.25 | 0.2 | 1.6 | 0.9 | 1.9 | A | 100-C09 | 3 | 6 | 140U-D6D3-B30 | 140M-C2E-B25 | CLASS RK5, CC, J, or T / DLS-R-15 | 140U-D6D3-B30 | 140M-C2E-B25 | CLASS RK5, CC, J, or T / DLS-R-15 | 140U-D6D3-B30 | 140M-C2E-B25 | |
| 25A-B2P5N104 | 25B-B2P5N104 | 0.5 | 0.4 | 0.5 | 0.4 | 2.5 | 1.2 | 2.7 | A | 100-C09 | 6 | 6 | 140U-D6D3-B40 | 140M-C2E-B40 | CLASS RK5, CC, J, or T / DLS-R-6 | 140U-D6D3-B40 | 140M-C2E-B40 | CLASS RK5, CC, J, or T / DLS-R-6 | 140U-D6D3-B40 | 140M-C2E-B40 | |
| 25A-B5P0N104 | 25B-B5P0N104 | 1.0 | 0.75 | 1.0 | 0.75 | 5.0 | 2.7 | 5.8 | A | 100-C09 | 10 | 16 | 140U-D6D3-B80 | 140M-C2E-B63 | CLASS RK5, CC, J, or T / DLS-R-15 | 140U-D6D3-B80 | 140M-C2E-B63 | CLASS RK5, CC, J, or T / DLS-R-15 | 140U-D6D3-B80 | 140M-C2E-B63 | |
| 25A-B8P0N104 | 25B-B8P0N104 | 2.0 | 1.5 | 2.0 | 1.5 | 8.0 | 4.3 | 9.5 | A | 100-C12 | 16 | 20 | 140U-D6D3-C10 | 140M-C2E-C10 | CLASS RK5, CC, J, or T / DLS-R-20 | 140U-D6D3-C10 | 140M-C2E-C10 | CLASS RK5, CC, J, or T / DLS-R-20 | 140U-D6D3-C10 | 140M-C2E-C10 | |
| 25A-B011N104 | 25B-B011N104 | 3.0 | 2.2 | 3.0 | 2.2 | 11.0 | 6.3 | 13.8 | A | 100-C23 | 20 | 32 | 140U-D6D3-C15 | 140M-C2E-C16 | CLASS RK5, CC, J, or T / DLS-R-30 | 140U-D6D3-C15 | 140M-C2E-C16 | CLASS RK5, CC, J, or T / DLS-R-30 | 140U-D6D3-C15 | 140M-C2E-C16 | |
| 25A-B017N104 | 25B-B017N104 | 5.0 | 4.0 | 5.0 | 4.0 | 17.5 | 9.6 | 21.1 | B | 100-C23 | 32 | 45 | 140U-D6D3-C25 | 140M-F8E-C25 | CLASS CC, J, or T / 45 | 140U-D6D3-C25 | 140M-F8E-C25 | CLASS CC, J, or T / 45 | 140U-D6D3-C25 | 140M-F8E-C25 | |
| 25A-B024N104 | 25B-B024N104 | 7.5 | 5.5 | 7.5 | 5.5 | 24.0 | 12.2 | 26.6 | C | 100-C37 | 35 | 63 | 140G-G6C3-C35 | 140M-F8E-C32 | CLASS CC, J, or T / 60 | 140G-G6C3-C35 | 140M-F8E-C32 | CLASS CC, J, or T / 60 | 140G-G6C3-C35 | 140M-F8E-C32 | |
| 25A-B032N104 | 25B-B032N104 | 10.0 | 7.5 | 10.0 | 7.5 | 32.2 | 15.9 | 34.8 | D | 100-C43 | 45 | 70 | 140G-G6C3-C60 | 140M-F8E-C45 | CLASS RK5, CC, J, or T / DLS-R-70 | 140G-G6C3-C60 | 140M-F8E-C45 | CLASS RK5, CC, J, or T / DLS-R-70 | 140G-G6C3-C60 | 140M-F8E-C45 | |
| 25A-B048N104 | 25B-B048N104 | 15.0 | 11.0 | 10.0 | 7.5 | 48.3 | 20.1 | 44.0 | E | 100-C60 | 63 | 90 | 140G-G6C3-C70 | 140M-F8E-C45 | CLASS CC, J, or T / 90 | 140G-G6C3-C70 | 140M-F8E-C45 | CLASS CC, J, or T / 90 | 140G-G6C3-C70 | 140M-F8E-C45 | |
| 25A-B062N104 | 25B-B062N104 | 20.0 | 15.0 | 15.0 | 11.0 | 62.1 | 25.6 | 56.0 | E | 100-C72 | 70 | 125 | 140G-G6C3-C90 | – ⁽⁷⁾ | CLASS CC, J, or T / 125 | 140G-G6C3-C90 | – | CLASS CC, J, or T / 125 | – | – | |

- (1) ■ Normal and Heavy Duty ratings are available for this drive.
- (2) When the drive is controlling motors with lower amp ratings, refer to the drive nameplate for drive input current rating.
- (3) The AIC ratings of the Bulletin 140M Motor Protector Circuit Breakers may vary. See [Bulletin 140M Motor Protection Circuit Breakers Application Ratings](#).
- (4) Bulletin 140M with adjustable current range should have the current trip set to the minimum range that the device will not trip.
- (5) Manual Self-Protected (Type E) Combination Motor Controller, UL listed for 480Y/277 and 600Y/347 AC input. Not UL listed for use on 480V or 600V Delta/Delta, corner ground, or high-resistance ground systems.
- (6) When using a Manual Self-Protected (Type E) Combination Motor Controller with this drive power rating, the drive must be installed in a ventilated or non-ventilated enclosure with the minimum volume specified in this column. Application specific thermal considerations may require a larger enclosure.
- (7) Circuit breaker selection is not available for this drive rating.

Dimensions and Weights

Frame/Rating Cross-Reference

Catalog Number Description

| 25B | - | V | 2P5 | N | 1 | 0 | 4 |
|-------|---|----------------|--------|-----------|-----|----------------|---------|
| Drive | | Voltage Rating | Rating | Enclosure | HIM | Emission Class | Version |

PowerFlex 520-Series Drive Ratings

| PowerFlex 523 Catalog No. | PowerFlex 525 Catalog No. | Output Ratings | | | | | Input Voltage Range | Total Watts Loss | Frame Size |
|--|------------------------------|----------------|------|------------|------|-----------------------|------------------------|------------------|------------|
| | | Normal Duty | | Heavy Duty | | Output Current (A) | | | |
| | | HP | kW | HP | kW | | | | |
| 100...120V AC (-15%, +10%) – 1-Phase Input, 0...230V 3-Phase Output | | | | | | | | | |
| 25A-V1P6N104 | – | 0.25 | 0.2 | 0.25 | 0.2 | 1.6 | 85...132 | 20.0 | A |
| 25A-V2P5N104 | 25B-V2P5N104 | 0.5 | 0.4 | 0.5 | 0.4 | 2.5 | 85...132 | 27.0 | A |
| 25A-V4P8N104 | 25B-V4P8N104 | 1.0 | 0.75 | 1.0 | 0.75 | 4.8 | 85...132 | 53.0 | B |
| 25A-V6P0N104 | 25B-V6P0N104 | 1.5 | 1.1 | 1.5 | 1.1 | 6.0 | 85...132 | 67.0 | B |
| 200...240V AC (-15%, +10%) – 1-Phase Input, 0...230V 3-Phase Output | | | | | | | | | |
| 25A-A1P6N104 | – | 0.25 | 0.2 | 0.25 | 0.2 | 1.6 | 85...132 | 20.0 | A |
| 25A-A2P5N104 | 25B-A2P5N104 | 0.5 | 0.4 | 0.5 | 0.4 | 2.5 | 170...264 | 29.0 | A |
| 25A-A4P8N104 | 25B-A4P8N104 | 1.0 | 0.75 | 1.0 | 0.75 | 4.8 | 170...264 | 50.0 | A |
| 25A-A8P0N104 | 25B-A8P0N104 | 2.0 | 1.5 | 2.0 | 1.5 | 8.0 | 170...264 | 81.0 | B |
| 25A-A011N104 | 25B-A011N104 | 3.0 | 2.2 | 3.0 | 2.2 | 11.0 | 170...264 | 111.0 | B |
| 200...240V AC (-15%, +10%) – 1-Phase Input with EMC Filter, 0...230V 3-Phase Output | | | | | | | | | |
| 25A-A1P6N114 | – | 0.25 | 0.2 | 0.25 | 0.2 | 1.6 | 85...132 | 20.0 | A |
| 25A-A2P5N114 | 25B-A2P5N114 | 0.5 | 0.4 | 0.5 | 0.4 | 2.5 | 170...264 | 29.0 | A |
| 25A-A4P8N114 | 25B-A4P8N114 | 1.0 | 0.75 | 1.0 | 0.75 | 4.8 | 170...264 | 53.0 | A |
| 25A-A8P0N114 | 25B-A8P0N114 | 2.0 | 1.5 | 2.0 | 1.5 | 8.0 | 170...264 | 84.0 | B |
| 25A-A011N114 | 25B-A011N114 | 3.0 | 2.2 | 3.0 | 2.2 | 11.0 | 170...264 | 116.0 | B |
| 200...240V AC (-15%, +10%) – 3-Phase Input, 0...230V 3-Phase Output | | | | | | | | | |
| 25A-B1P6N104 | – | 0.25 | 0.2 | 0.25 | 0.2 | 1.6 | 85...132 | 20.0 | A |
| 25A-B2P5N104 | 25B-B2P5N104 | 0.5 | 0.4 | 0.5 | 0.4 | 2.5 | 170...264 | 29.0 | A |
| 25A-B5P0N104 | 25B-B5P0N104 | 1.0 | 0.75 | 1.0 | 0.75 | 5.0 | 170...264 | 50.0 | A |
| 25A-B8P0N104 | 25B-B8P0N104 | 2.0 | 1.5 | 2.0 | 1.5 | 8.0 | 170...264 | 79.0 | A |
| 25A-B011N104 | 25B-B011N104 | 3.0 | 2.2 | 3.0 | 2.2 | 11.0 | 170...264 | 107.0 | A |
| 25A-B017N104 | 25B-B017N104 | 5.0 | 4.0 | 5.0 | 4.0 | 17.5 | 170...264 | 148.0 | B |
| 25A-B024N104 | 25B-B024N104 | 7.5 | 5.5 | 7.5 | 5.5 | 24.0 | 170...264 | 259.0 | C |
| 25A-B032N104 | 25B-B032N104 | 10.0 | 7.5 | 10.0 | 7.5 | 32.2 | 170...264 | 323.0 | D |
| 25A-B048N104 | 25B-B048N104 | 15.0 | 11.0 | 10.0 | 7.5 | 48.3 | 170...264 | 584.0 | E |
| 25A-B062N104 | 25B-B062N104 | 20.0 | 15.0 | 15.0 | 11.0 | 62.1 | 170...264 | 708.0 | E |
| 380...480V AC (-15%, +10%) – 3-Phase Input, 0...460V 3-Phase Output⁽¹⁾ | | | | | | | | | |
| 25A-D1P4N104 | 25B-D1P4N104 | 0.5 | 0.4 | 0.5 | 0.4 | 1.4 | 323...528 | 27.0 | A |
| 25A-D2P3N104 | 25B-D2P3N104 | 1.0 | 0.75 | 1.0 | 0.75 | 2.3 | 323...528 | 37.0 | A |
| 25A-D4P0N104 | 25B-D4P0N104 | 2.0 | 1.5 | 2.0 | 1.5 | 4.0 | 323...528 | 62.0 | A |
| 25A-D6P0N104 | 25B-D6P0N104 | 3.0 | 2.2 | 3.0 | 2.2 | 6.0 | 323...528 | 86.0 | A |
| 25A-D010N104 | 25B-D010N104 | 5.0 | 4.0 | 5.0 | 4.0 | 10.5 | 323...528 | 129.0 | B |
| 25A-D013N104 | 25B-D013N104 | 7.5 | 5.5 | 7.5 | 5.5 | 13.0 | 323...528 | 170.0 | C |
| 25A-D017N104 | 25B-D017N104 | 10.0 | 7.5 | 10.0 | 7.5 | 17.0 | 323...528 | 221.0 | C |
| 25A-D024N104 | 25B-D024N104 | 15.0 | 11.0 | 15.0 | 11.0 | 24.0 | 323...528 | 303.0 | D |
| 25A-D030N104 | 25B-D030N104 | 20.0 | 15.0 | 15.0 | 11.0 | 30.0 | 323...528 | 387.0 | D |