

Fuses and Circuit Breakers for PowerFlex 520-Series Drives

100...120V 1-Phase Input Protection Devices – Frames A...B

Catalog No.	Output Ratings						Input Ratings			Frame Size	Contactor Catalog No.	IEC Applications (Non-UL)			UL Applications			
	PF 525	ND		HD		Amps	kVA	Max Amps ⁽¹⁾	Fuses (Rating)			Circuit Breakers		Fuses (Max. Rating)		Circuit Breakers		
		HP	kW	HP	kW				Min.			Max.	140U/140G	140M	Class / Catalog No.	140U/140G	140M ⁽²⁾⁽³⁾⁽⁴⁾	Min. Enclosure Vol. (in. ³)
25A-V1P6N104	–	0.25	0.2	0.25	0.2	1.6	0.8	6.4	A	100-C09	16	140U-D6D2-B80	140M-C2E-B63	CLASS RK5, CC, J, or T / DLS-R-15	140U-D6D2-B80	140M-C2E-B63	–	
25A-V2P5N104	25B-V2P5N104	0.5	0.4	0.5	0.4	2.5	1.3	9.6	A	100-C12	20	140U-D6D2-C12	140M-C2E-C10	CLASS RK5, CC, J, or T / DLS-R-20	140U-D6D2-C12	140M-C2E-C10	–	
25A-V4P8N104	25B-V4P8N104	1.0	0.75	1.0	0.75	4.8	2.5	19.2	B	100-C23	40	140U-D6D2-C25	140M-D8E-C20	CLASS RK5, CC, J, or T / DLS-R-40	140U-D6D2-C25	140M-D8E-C20	–	
25A-V6P0N104	25B-V6P0N104	1.5	1.1	1.5	1.1	6.0	3.2	24.0	B	100-C37	50	140U-D6D2-C30	140M-F8E-C25	CLASS RK5, CC, J, or T / DLS-R-50	140U-D6D2-C30	140M-F8E-C25	–	

200...240V 1-Phase Input Protection Devices – Frames A...B

Catalog No.	Output Ratings						Input Ratings			Frame Size	Contactor Catalog No.	IEC Applications (Non-UL)			UL Applications			
	PF 525	ND		HD		Amps	kVA	Max Amps ⁽¹⁾	Fuses (Rating)			Circuit Breakers		Fuses (Max. Rating)		Circuit Breakers		
		HP	kW	HP	kW				Min.			Max.	140U/140G	140M	Class / Catalog No.	140U/140G	140M ⁽²⁾⁽³⁾⁽⁴⁾	Min. Enclosure Vol. (in. ³)
25A-A1P6N114	–	0.25	0.2	0.25	0.2	1.6	1.4	5.3	A	100-C09	6	140U-D6D2-C10	140M-C2E-B63	CLASS RK5, CC, J, or T / DLS-R-15	140U-D6D2-C10	140M-C2E-B63	–	
25A-A1P6N114	–	0.25	0.2	0.25	0.2	1.6	1.4	5.3	A	100-C09	6	140U-D6D2-C10	140M-C2E-B63	CLASS RK5, CC, J, or T / DLS-R-15	140U-D6D2-C10	140M-C2E-B63	–	
25A-A2P5N104	25B-A2P5N104	0.5	0.4	0.5	0.4	2.5	1.7	6.5	A	100-C09	10	140U-D6D2-C10	140M-C2E-C10	CLASS RK5, CC, J, or T / DLS-R-15	140U-D6D2-C10	140M-C2E-C10	–	
25A-A2P5N114	25B-A2P5N114	0.5	0.4	0.5	0.4	2.5	1.7	6.5	A	100-C09	10	140U-D6D2-C10	140M-C2E-C10	CLASS RK5, CC, J, or T / DLS-R-15	140U-D6D2-C10	140M-C2E-C10	–	
25A-A4P8N104	25B-A4P8N104	1.0	0.75	1.0	0.75	4.8	2.8	10.7	A	100-C12	16	140U-D6D2-C15	140M-C2E-C16	CLASS RK5, CC, J, or T / DLS-R-25	140U-D6D2-C15	140M-C2E-C16	–	
25A-A4P8N114	25B-A4P8N114	1.0	0.75	1.0	0.75	4.8	2.8	10.7	A	100-C12	16	140U-D6D2-C15	140M-C2E-C16	CLASS RK5, CC, J, or T / DLS-R-25	140U-D6D2-C15	140M-C2E-C16	–	
25A-A8P0N104	25B-A8P0N104	2.0	1.5	2.0	1.5	8.0	4.8	18.0	B	100-C23	25	140U-D6D2-C25	140M-F8E-C25	CLASS CC, J, or T / 40	140U-D6D2-C25	140M-F8E-C25	–	
25A-A8P0N114	25B-A8P0N114	2.0	1.5	2.0	1.5	8.0	4.8	18.0	B	100-C23	25	140U-D6D2-C25	140M-F8E-C25	CLASS CC, J, or T / 40	140U-D6D2-C25	140M-F8E-C25	–	
25A-A011N104	25B-A011N104	3.0	2.2	3.0	2.2	11.0	6.0	22.9	B	100-C37	32	140G-G6C3-C35	140M-F8E-C25	CLASS CC, J, or T / 50	– ⁽⁵⁾	140M-F8E-C25	–	
25A-A011N114	25B-A011N114	3.0	2.2	3.0	2.2	11.0	6.0	22.9	B	100-C37	32	140G-G6C3-C35	140M-F8E-C25	CLASS CC, J, or T / 50	– ⁽⁵⁾	140M-F8E-C25	–	

- (1) When the drive is controlling motors with lower amp ratings, refer to the drive nameplate for drive input current rating.
- (2) The AIC ratings of the Bulletin 140M Motor Protector Circuit Breakers may vary. See [Bulletin 140M Motor Protection Circuit Breakers Application Ratings](#).
- (3) Bulletin 140M with adjustable current range should have the current trip set to the minimum range that the device will not trip.
- (4) Manual Self-Protected (Type E) Combination Motor Controller, UL listed for 480V/277 and 600V/347 AC input. Not UL listed for use on 480V or 600V Delta/Delta, corner ground, or high-resistance ground systems.
- (5) 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