

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

380...480V 3-Phase Input Protection Devices – Frames A...E

Catalog No. ⁽¹⁾	Output Ratings				Input Ratings		Frame Size	Catalog No.	IEC Applications (Non-UL)				UL Applications						
	PF 525		ND		Amps				Max Amps ⁽²⁾		Fuses (Rating)		Circuit Breakers		Fuses (Max. Rating)		Circuit Breakers		Min. Enclosure Vol. (in. ³)
PF 523	PF 525	HP	kW	HP	kW	kVA	Max Amps ⁽²⁾	Min.	Max.	140U/140G	140M	Class / Catalog No.	140U/140G	140M ⁽³⁾⁽⁴⁾⁽⁵⁾	Min. Enclosure Vol. (in. ³)				
25A-D1P4N104	25B-D1P4N104	0.5	0.4	0.5	0.4	1.4	1.7	1.9	A	100-C09	3	6	140U-D6D3-B30	140M-C2E-B25	CLASS RK5, CC, J, or T / DLS-R-6	140M-C2E-B25	—		
25A-D1P4N114	25B-D1P4N114	0.5	0.4	0.5	0.4	1.4	1.7	1.9	A	100-C09	3	6	140U-D6D3-B30	140M-C2E-B25	CLASS RK5, CC, J, or T / DLS-R-6	140M-C2E-B25	—		
25A-D2P3N104	25B-D2P3N104	1.0	0.75	1.0	0.75	2.3	2.9	3.2	A	100-C09	6	10	140U-D6D3-B60	140M-C2E-B40	CLASS RK5, CC, J, or T / DLS-R-10	140M-C2E-B40	—		
25A-D2P3N114	25B-D2P3N114	1.0	0.75	1.0	0.75	2.3	2.9	3.2	A	100-C09	6	10	140U-D6D3-B60	140M-C2E-B40	CLASS RK5, CC, J, or T / DLS-R-10	140M-C2E-B40	—		
25A-D4P0N104	25B-D4P0N104	2.0	1.5	2.0	1.5	4.0	5.2	5.7	A	100-C09	10	16	140U-D6D3-B60	140M-C2E-B63	CLASS RK5, CC, J, or T / DLS-R-15	140M-C2E-B63	—		
25A-D4P0N114	25B-D4P0N114	2.0	1.5	2.0	1.5	4.0	5.2	5.7	A	100-C09	10	16	140U-D6D3-B60	140M-C2E-B63	CLASS RK5, CC, J, or T / DLS-R-15	140M-C2E-B63	—		
25A-D6P0N104	25B-D6P0N104	3.0	2.2	3.0	2.2	6.0	6.9	7.5	A	100-C09	10	16	140U-D6D3-C10	140M-C2E-C10	CLASS RK5, CC, J, or T / DLS-R-15	140M-C2E-C10	—		
25A-D6P0N114	25B-D6P0N114	3.0	2.2	3.0	2.2	6.0	6.9	7.5	A	100-C09	10	16	140U-D6D3-C10	140M-C2E-C10	CLASS RK5, CC, J, or T / DLS-R-15	140M-C2E-C10	—		
25A-D010N104	25B-D010N104	5.0	4.0	5.0	4.0	10.5	12.6	13.8	B	100-C23	20	32	140U-D6D3-C15	140M-C2E-C16	CLASS RK5, CC, J, or T / DLS-R-30	140M-C2E-C16	—		
25A-D010N114	25B-D010N114	5.0	4.0	5.0	4.0	10.5	12.6	13.8	B	100-C23	20	32	140U-D6D3-C15	140M-C2E-C16	CLASS RK5, CC, J, or T / DLS-R-30	140M-C2E-C16	—		
25A-D013N104	25B-D013N104	7.5	5.5	7.5	5.5	13.0	14.1	15.4	C	100-C23	20	35	140U-D6D3-C25	140M-D8E-C20	CLASS CC, J, or T / 35	140M-D8E-C20	—		
25A-D013N114	25B-D013N114	7.5	5.5	7.5	5.5	13.0	14.1	15.4	C	100-C23	20	35	140U-D6D3-C25	140M-D8E-C20	CLASS CC, J, or T / 35	140M-D8E-C20	—		
25A-D017N104	25B-D017N104	10.0	7.5	10.0	7.5	17.0	16.8	18.4	C	100-C23	25	40	140U-D6D3-C25	140M-D8E-C20	CLASS CC, J, or T / 40	140M-D8E-C20	—		
25A-D017N114	25B-D017N114	10.0	7.5	10.0	7.5	17.0	16.8	18.4	C	100-C23	25	40	140U-D6D3-C25	140M-D8E-C20	CLASS CC, J, or T / 40	140M-D8E-C20	—		
25A-D024N104	25B-D024N104	15.0	11.0	15.0	11.0	24.0	24.1	26.4	D	100-C37	35	63	140G-G6C3-C40	140M-F8E-C32	CLASS CC, J, or T / 60	140M-F8E-C32	656.7 ⁽⁶⁾		
25A-D024N114	25B-D024N114	15.0	11.0	15.0	11.0	24.0	24.1	26.4	D	100-C37	35	63	140G-G6C3-C40	140M-F8E-C32	CLASS CC, J, or T / 60	140M-F8E-C32	656.7 ⁽⁶⁾		
25A-D030N104	25B-D030N104	20.0	15.0	15.0	11.0	30.0	30.2	33.0	D	100-C43	45	70	140G-G6C3-C50	140M-F8E-C45	CLASS CC, J, or T / 70	140M-F8E-C45	656.7 ⁽⁶⁾		
25A-D030N114	25B-D030N114	20.0	15.0	15.0	11.0	30.0	30.2	33.0	D	100-C43	45	70	140G-G6C3-C50	140M-F8E-C45	CLASS CC, J, or T / 70	140M-F8E-C45	656.7 ⁽⁶⁾		
25A-D037N114	25B-D037N114	25.0	18.5	20.0	15.0	37.0	30.8	33.7	E	100-C43	45	70	140G-G6C3-C50	140M-F8E-C45	CLASS CC, J, or T / 70	140M-F8E-C45	—		
25A-D043N114	25B-D043N114	30.0	22.0	25.0	18.5	43.0	35.6	38.9	E	100-C60	50	80	140G-G6C3-C60	140M-F8E-C45	CLASS CC, J, or T / 80	140M-F8E-C45	—		

(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 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.

(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