

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

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

Catalog No. <sup>(1)</sup>		Output Ratings					Input Ratings			Frame Size	Contactor Catalog No.	IEC Applications (Non-UL)		UL Applications						
		ND	HP	kW	HP	HD	kW	kVA	Max Amps <sup>(2)</sup>			Fuses (Rating)		Circuit Breakers		Fuses (Max. Rating)		Circuit Breakers		
												Min.	Max.	140U/140G	140M	Class / Catalog No.	140M <sup>(3)(4)(5)</sup>	Min. Enclosure Vol. (in. <sup>3</sup> )		
PF 523	PF 525																			
25A-D1P4N104	25B-D1P4N104	0.5	0.4	0.4	0.5	0.4	1.4	1.7	1.9	A	100-C09	3	6	140U-D603-B30	140M-C2E-B25	CLASS RK5, CC, J, or T / DLS-R-6	140M-C2E-B25	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-C2E-B25
25A-D1P4N114	25B-D1P4N114	0.5	0.4	0.4	0.5	0.4	1.4	1.7	1.9	A	100-C09	3	6	140U-D603-B30	140M-C2E-B25	CLASS RK5, CC, J, or T / DLS-R-6	140M-C2E-B25	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-C2E-B25
25A-D2P3N104	25B-D2P3N104	1.0	0.75	0.75	1.0	0.75	2.3	2.9	3.2	A	100-C09	6	10	140U-D603-B60	140M-C2E-B40	CLASS RK5, CC, J, or T / DLS-R-10	140M-C2E-B40	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-C2E-B40
25A-D2P3N114	25B-D2P3N114	1.0	0.75	0.75	1.0	0.75	2.3	2.9	3.2	A	100-C09	6	10	140U-D603-B60	140M-C2E-B40	CLASS RK5, CC, J, or T / DLS-R-10	140M-C2E-B40	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-C2E-B40
25A-D4P0N104	25B-D4P0N104	2.0	1.5	1.5	2.0	1.5	4.0	5.2	5.7	A	100-C09	10	16	140U-D603-B60	140M-C2E-B63	CLASS RK5, CC, J, or T / DLS-R-15	140M-C2E-B63	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-C2E-B63
25A-D4P0N114	25B-D4P0N114	2.0	1.5	1.5	2.0	1.5	4.0	5.2	5.7	A	100-C09	10	16	140U-D603-B60	140M-C2E-B63	CLASS RK5, CC, J, or T / DLS-R-15	140M-C2E-B63	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-C2E-B63
25A-D6P0N104	25B-D6P0N104	3.0	2.2	2.2	3.0	2.2	6.0	6.9	7.5	A	100-C09	10	16	140U-D603-C10	140M-C2E-C10	CLASS RK5, CC, J, or T / DLS-R-15	140M-C2E-C10	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-C2E-C10
25A-D6P0N114	25B-D6P0N114	3.0	2.2	2.2	3.0	2.2	6.0	6.9	7.5	A	100-C09	10	16	140U-D603-C10	140M-C2E-C10	CLASS RK5, CC, J, or T / DLS-R-15	140M-C2E-C10	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-C2E-C10
25A-D010N104	25B-D010N104	5.0	4.0	4.0	5.0	4.0	10.5	12.6	13.8	B	100-C23	20	32	140U-D603-C15	140M-C2E-C16	CLASS RK5, CC, J, or T / DLS-R-30	140M-C2E-C16	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-C2E-C16
25A-D010N114	25B-D010N114	5.0	4.0	4.0	5.0	4.0	10.5	12.6	13.8	B	100-C23	20	32	140U-D603-C15	140M-C2E-C16	CLASS RK5, CC, J, or T / DLS-R-30	140M-C2E-C16	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-C2E-C16
25A-D013N104	25B-D013N104	7.5	5.5	5.5	7.5	5.5	13.0	14.1	15.4	C	100-C23	20	35	140U-D603-C25	140M-D8E-C20	CLASS RK5, CC, J, or T / 35	140M-D8E-C20	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-D8E-C20
25A-D013N114	25B-D013N114	7.5	5.5	5.5	7.5	5.5	13.0	14.1	15.4	C	100-C23	20	35	140U-D603-C25	140M-D8E-C20	CLASS CC, J, or T / 35	140M-D8E-C20	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-D8E-C20
25A-D017N104	25B-D017N104	10.0	7.5	7.5	10.0	7.5	17.0	16.8	18.4	C	100-C23	25	40	140U-D603-C25	140M-D8E-C20	CLASS CC, J, or T / 40	140M-D8E-C20	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-D8E-C20
25A-D017N114	25B-D017N114	10.0	7.5	7.5	10.0	7.5	17.0	16.8	18.4	C	100-C23	25	40	140U-D603-C25	140M-D8E-C20	CLASS CC, J, or T / 40	140M-D8E-C20	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-D8E-C20
25A-D024N104	25B-D024N104	15.0	11.0	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	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-F8E-C32
25A-D024N114	25B-D024N114	15.0	11.0	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	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-F8E-C32
25A-D030N104	25B-D030N104	20.0	15.0	15.0	20.0	15.0	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	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-F8E-C45
25A-D030N114	25B-D030N114	20.0	15.0	15.0	20.0	15.0	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	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-F8E-C45
25A-D037N114	25B-D037N114	25.0	18.5	20.0	25.0	18.5	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	140U/140G	140M <sup>(3)(4)(5)</sup>	140M-F8E-C45
25A-D043N114	25B-D043N114	30.0	22.0	25.0	30.0	22.0	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	140U/140G	140M <sup>(3)(4)(5)</sup>	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 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.

PowerFlex 523 Catalog No.	PowerFlex 525 Catalog No.	Output Ratings				Output Current (A)	Input Voltage Range	Total Watts Loss	Frame Size
		Normal Duty		Heavy Duty					
		HP	kW	HP	kW				
<b>380...480V AC (-15%, +10%) – 3-Phase Input with EMC Filter, 0...460V 3-Phase Output</b>									
25A-D1P4N114	25B-D1P4N114	0.5	0.4	0.5	0.4	1.4	323...528	27.0	A
25A-D2P3N114	25B-D2P3N114	1.0	0.75	1.0	0.75	2.3	323...528	37.0	A
25A-D4P0N114	25B-D4P0N114	2.0	1.5	2.0	1.5	4.0	323...528	63.0	A
25A-D6P0N114	25B-D6P0N114	3.0	2.2	3.0	2.2	6.0	323...528	88.0	A
25A-D010N114	25B-D010N114	5.0	4.0	5.0	4.0	10.5	323...528	133.0	B
25A-D013N114	25B-D013N114	7.5	5.5	7.5	5.5	13.0	323...528	175.0	C
25A-D017N114	25B-D017N114	10.0	7.5	10.0	7.5	17.0	323...528	230.0	C
25A-D024N114	25B-D024N114	15.0	11.0	15.0	11.0	24.0	323...528	313.0	D
25A-D030N114	25B-D030N114	20.0	15.0	15.0	11.0	30.0	323...528	402.0	D
25A-D037N114	25B-D037N114	25.0	18.5	20.0	15.0	37.0	323...528	602.0	E
25A-D043N114	25B-D043N114	30.0	22.0	25.0	18.5	43.0	323...528	697.0	E
<b>525...600V AC (-15%, +10%) – 3-Phase Input, 0...575V 3-Phase Output</b>									
25A-E0P9N104	25B-E0P9N104	0.5	0.4	0.5	0.4	0.9	446...660	22.0	A
25A-E1P7N104	25B-E1P7N104	1.0	0.75	1.0	0.75	1.7	446...660	32.0	A
25A-E3P0N104	25B-E3P0N104	2.0	1.5	2.0	1.5	3.0	446...660	50.0	A
25A-E4P2N104	25B-E4P2N104	3.0	2.2	3.0	2.2	4.2	446...660	65.0	A
25A-E6P6N104	25B-E6P6N104	5.0	4.0	5.0	4.0	6.6	446...660	95.0	B
25A-E9P9N104	25B-E9P9N104	7.5	5.5	7.5	5.5	9.9	446...660	138.0	C
25A-E012N104	25B-E012N104	10.0	7.5	10.0	7.5	12.0	446...660	164.0	C
25A-E019N104	25B-E019N104	15.0	11.0	15.0	11.0	19.0	446...660	290.0	D
25A-E022N104	25B-E022N104	20.0	15.0	15.0	11.0	22.0	446...660	336.0	D
25A-E027N104	25B-E027N104	25.0	18.5	20.0	15.0	27.0	446...660	466.0	E
25A-E032N104	25B-E032N104	30.0	22.0	25.0	18.5	32.0	446...660	562.0	E

(1) A non-filtered drive is not available for 380...480V AC 25 HP (18.5 kW) and 30 HP (22.0 kW) ratings. Filtered drives are available, however you must verify that the application will support a filtered drive.