

PowerFlex 753 and PowerFlex 755 AC Drive Specifications

Frame/Rating Cross-Reference						
Frame ¹	400V AC (540V DC) Input			480V AC (650V DC) Input		
	Amps	Normal Duty kW	Heavy Duty kW	Amps	Normal Duty Hp	Heavy Duty Hp
1	2.1	0.75	0.37	2.1	1	0.5
	3.5	1.5	0.75	3.4	2	1.5
	5	2.2	1.5	5	3	2
	8.7	4	2.2	8	5	3
	11.5	5.5	4	11	7.5	5
	15.4	7.5	5.5	14	10	7.5
2	2.1	0.75	0.75	2.1	1	1
	3.5	1.5	1.5	3.4	2	2
	5	2.2	2.2	5	3	3
	8.7	4	4	8	5	5
	11.5	5.5	5.5	11	7.5	7.5
	15.4	7.5	5.5	14	10	7.5
3	22	11	7.5	22	15	10
	30	15	11	27	20	15
	37	18.5	15	34	25	20
4	43	22	18.5	40	30	25
	60	30	22	52	40	30
5	72	37	30	65	50	40
	85	45	37	77	60	50
6	104	55	45	96	75	60
	140	75	55	125	100	75
	170	90	75	156	125	100
	205	110	90	186	150	125
7	260	132	110	248	200	150
	302	160	132	302	250	200
	367	200	160	361	300	250
	456	250	200	415	350	300

Frame	600V AC, Three-Phase Drives				
	Output Amps ²			Normal Duty Hp	Heavy Duty Hp
	Cont.	1 Min.	3 Sec.		
3	1.7 (0.9)	1.9 (1.4)	2.6 (2.6)	1	0.5
	2.7 (1.7)	3.0 (2.6)	4.1 (4.6)	2	1
	3.9 (2.7)	4.3 (4.1)	5.9 (7.3)	3	2
	6.1 (3.9)	6.7 (5.9)	9.2 (10.5)	5	3
	9 (6.1)	9.9 (9.2)	12.1 (13.5)	7.5	5
	11 (9)	12.1 (13.5)	16.5 (24.3)	10	7.5
	17 (11)	18.7 (16.5)	25.5 (29.7)	15	10
4	22 (17)	24 (26)	33 (46)	20	15
	27 (22)	30 (33)	41 (59)	25	20
	32 (27)	35 (41)	48 (73)	30	25
5	41 (32)	45 (48)	62 (86)	40	30
	52 (41)	57 (62)	78 (111)	50	40

Frame ¹	600V AC Input					690V AC Input				
	Output Amps ²			Normal Duty Hp	Heavy Duty Hp	Output Amps ²			Normal Duty kW	Heavy Duty kW
	Cont.	1 Min.	3 Sec.			Cont.	1 Min.	3 Sec.		
6	12 (9.1)	13.2 (13.7)	18 (18)	10	7.5	12 (9)	13.2 (13.5)	18 (18)	7.5	5.5
	18 (11.1)	19.8 (16.7)	27 (27)	15	10	15 (11.5)	16.5 (17.3)	22.5 (22.5)	11	7.5
	23 (18)	25.3 (27)	34.5 (34.5)	20	15	20 (15)	22 (22.5)	30 (30)	15	11
	24 (22)	26.4 (33)	36 (39.6)	20	20	23 (20)	25.3 (30)	34.5 (36)	18.5	15
	28 (23)	30.8 (34.5)	42 (42)	25	20	30 (23)	33 (34.5)	45 (45)	22	18.5
	33 (28)	36.3 (42)	49.5 (50.4)	30	25	34 (30)	37.4 (45)	51 (54)	30	22
	42 (33)	46.2 (49.5)	63 (63)	40	30	46 (34)	50.6 (51)	69 (69)	37	30
	53 (42)	58.3 (63)	79.5 (79.5)	50	40	50 (46)	55 (69)	75 (82.8)	45	37
	63 (52)	69.3 (78)	94.5 (94.5)	60	50	61 (50)	67.1 (75)	91.5 (91.5)	55	45
	77 (63)	84.7 (94.5)	116 (116)	75	60	82 (61)	90.2 (91.5)	123 (123)	75	55
	99 (77)	109 (116)	149 (149)	100	75	98 (82)	108 (123)	147 (148)	90	75
	125 (99)	138 (149)	188 (188)	125	100	119 (98)	131 (147)	179 (179)	110	90
	144 (125)	158 (188)	216 (225)	150	125	142 (119)	156 (179)	213 (214)	132	110
	192 (144)	211 (216)	288 (288)	200	150	171 (142)	188 (213)	257 (257)	160	132
7	242 (192)	266 (288)	363 (363)	250	200	212 (171)	233 (257)	318 (318)	200	160
	289 (242)	318 (318)	434 (436)	300	250	263 (212)	289 (289)	395 (395)	250	200

¹ Frame ratings based on open type cabinet mount enclosures.

² These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

PowerFlex 755 Floor Mount Drives*

380...400V AC, Three-phase and 540V DC Input Drives

Frame Size	Light Duty				Normal Duty				Heavy Duty			
	Output Amps			kW	Output Amps			kW	Output Amps			kW
	Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.	
8	540	594	NA	315	460	506	693	250	385	578	693	200
	585	644		315	540	594	821	315	456	684	821	250
	612	673		355	567	624	851	315	472	708	851	250
	750	825		400	650	715	975	355	540	810	975	315
	796	876		450	750	825	1125	400	585	878	1125	315
	832	915		450	770	847	1155	400	642	963	1155	355
9	1040	1144		560	910	1001	1365	500	750	1125	1365	400
	1090	1199		630	1040	1144	1584	560	880	1320	1584	500
	1175	1293		710	1090	1199	1638	630	910	1365	1638	500
	1465	1612		800	1175	1293	1872	710	1040	1560	1872	560
	1480	1628		850	1465	1612	2198	800	1090	1635	2198	630
	1600	1760		900	1480	1628	2220	850	1175	1763	2220	710
10	1715	1887		1000	1590	1749	2385	900	1325	1988	2385	710
	2330	2563		1400	2150	2365	3225	1250	1800	2700	3225	1000

480V AC, Three-phase and 650V DC Input Drives

Frame Size	Light Duty				Normal Duty				Heavy Duty			
	Output Amps			Hp	Output Amps			Hp	Output Amps			Hp
	Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.	
8	485	534	NA	400	430	473	666	350	370	555	666	300
	545	600		450	485	534	745	400	414	621	745	350
	590	649		500	545	600	818	450	454	681	818	350
	710	781		600	617	679	926	500	485	728	926	400
	765	842		650	710	781	1065	600	545	818	1065	450
	800	880		700	740	817	1110	650	617	926	1110	500
9	960	1056		800	800	880	1278	700	710	1065	1278	600
	1045	1150		900	960	1056	1440	800	795	1193	1440	700
	1135	1249		1000	1045	1150	1568	900	800	1200	1568	750
	1365	1502		1100	1135	1249	1728	1000	960	1440	1728	800
	1420	1562		1250	1365	1502	2048	1100	1045	1568	2048	900
	1540	1694		1350	1420	1562	2130	1250	1135	1703	2130	1000
10	1655	1821		1500	1525	1678	2288	1350	1270	1905	2288	1100
	2240	2464		2000	2070	2277	3105	1750	1730	2595	3105	1650

600V AC, Three-phase and 725V DC Input Drives

Frame Size	Light Duty				Normal Duty				Heavy Duty			
	Output Amps			Hp	Output Amps			Hp	Output Amps			Hp
	Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.	
8	355	391	NA	350	295	325	490	300	272	408	490	250
	395	435		400	355	391	533	350	295	443	533	300
	435	479		450	395	435	593	400	329	494	593	350
	460	506		500	435	479	639	450	355	533	639	350
	510	561		500	460	506	711	500	395	593	711	400
	545	600		550	510	561	765	500	425	638	765	450
9	690	759		700	595	655	918	600	510	765	918	500
	760	836		800	630	693	1071	700	595	893	1071	600
	835	919		900	760	836	1140	800	630	945	1140	700
	900	990		950	825	908	1260	900	700	1050	1260	750
	980	1078		1000	900	990	1368	950	760	1140	1368	800
	1045	1150		1100	980	1078	1470	1000	815	1223	1470	900
10	1220	1342		1200	1110	1221	1665	1100	920	1380	1665	1000
	1530	1683		1500	1430	1573	2145	1400	1190	1785	2145	1250

* A Roll-out Cart is required with Frame 8...10 drives to assist with power wiring and cabinet mounting.

PowerFlex 755 Floor Mount Drives*

690V AC, Three-phase and 932V DC Input Drives

Frame Size	Light Duty				Normal Duty				Heavy Duty			
	Output Amps			kW	Output Amps			kW	Output Amps			kW
	Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.	
8	330	363	NA	315	265	292	375	250	215	323	375	200
	370	407		355	330	363	473	315	265	398	473	250
	410	451		400	370	407	555	355	308	462	555	300
	460	506		450	415	457	639	400	370	555	639	355
	500	550		500	460	506	675	450	375	563	675	375
	530	583		530	500	550	750	500	413	620	750	400
9	650	715		630	590	649	885	560	460	690	885	450
	710	781		710	650	715	975	630	500	750	975	500
	790	869		800	710	781	1065	710	590	885	1065	560
	860	946		850	765	842	1170	750	650	975	1170	630
	960	1056		900	795	875	1350	800	750	1125	1350	710
	1020	1122		1000	960	1056	1440	900	795	1193	1440	800
10	1150	1265		1100	1040	1144	1560	1000	865	1298	1560	900
	1485	1634		1500	1400	1540	2100	1400	1160	1740	2100	1120

* A Roll-out Cart is required with Frame 8...10 drives to assist with power wiring and cabinet mounting.

Dimensions for PowerFlex 755 with IP00/IP20 Ratings***

Approximate Dimensions Millimeters (Inches)			
Frame	Height	Width	Depth
1	400.50 (15.77)	110 (4.33)	211 (8.31)
2	424.20 (16.7)	134.50 (5.30)	212 (8.35)
3	454 (17.87)	190 (7.48)	212 (8.35)
4	474 (18.66)	222 (8.74)	212 (8.35)
5	550 (21.65)	270 (10.63)	212 (8.35)
6	665.50 (26.20)	308 (12.13)	346.40 (13.64)
7	881.50 (34.70)	430 (16.93)	350 (13.78)
8	2453 (88.36)	600 (23.6)	600 (23.6)**
8	2453 (96.60)	600 (23.6)	800 (31.50)**
9	2453 (96.60)	1200 (47.20)	600 (23.6)**
9	2453 (96.60)	1200 (47.20)	800 (31.50)**
10	2453 (96.60)	1800 (70.90)	600 (23.60)**
10	2453 (96.60)	1800 (70.90)	800 (31.50)**

** Available in 600 mm and 800 mm depths to provide options based on cable entry and exit requirements. See publication PFLEX-SG002 or 750-TD001 for selection information.

***IP00 for frames 6 and 7