

PowerFlex 753

Introduction Cat. No. Explanation **Product Selection** Accessories Specifications Approximate Dimensions



The catalog numbers listed below are for base drives in their respective power ratings. Click "Build a Catalog Number" to configure a drive for ordering. For detailed drive information, refer to the PowerFlex 750-Series Technical Data, publication 750-TD001.

IP00/IP20, NEMA/UL Type Open &

380...480V AC, Three-Phase Drives

480V AC Input						400V AC Input						Frame Size
Output Amps §			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps §			Normal Duty kW	Heavy Duty kW	Cat. No. *	
Cont.	1 Min.	3 Sec.				Cont.	1 Min.	3 Sec.				
2.1	2.3	3.2	1	0.5	20F11RD2P1AA0NNNNN	2.1	2.3	3.2	0.75	0.37	20F11RC2P1JA0NNNNN	1
3.4	3.7	5.1	2	1.5	20F11RD3P4AA0NNNNN	3.5	3.9	5.3	1.5	0.75	20F11RC3P5JA0NNNNN	1
5	5.5	7.5	3	2	20F11RD5P0AA0NNNNN	5	5.5	7.5	2.2	1.5	20F11RC5P0JA0NNNNN	1
8	8.8	12	5	3	20F11RD8P0AA0NNNNN	8.7	9.6	13.1	4	2.2	20F11RC8P7JA0NNNNN	1
11	12.1	16.5	7.5	5	20F11RD011AA0NNNNN	11.5	12.7	17.3	5.5	4	20F11RC011JA0NNNNN	1
14	15.4	21	10	7.5	20F11RD014AA0NNNNN	15.4	16.9	23.1	7.5	5.5	20F11RC015JA0NNNNN	1
2.1	3.1	3.7	1	1	20F11ND2P1AA0NNNNN	2.1	3.1	3.7	0.75	0.75	20F11NC2P1JA0NNNNN	2
3.4	5.1	6.1	2	2	20F11ND3P4AA0NNNNN	3.5	5.2	6.3	1.5	1.5	20F11NC3P5JA0NNNNN	2
5	7.5	9	3	3	20F11ND5P0AA0NNNNN	5	7.5	9.0	2.2	2.2	20F11NC5P0JA0NNNNN	2
8	12	14.4	5	5	20F11ND8P0AA0NNNNN	8.7	13	15.6	4	4	20F11NC8P7JA0NNNNN	2
11	16.5	19.8	7.5	7.5	20F11ND011AA0NNNNN	11.5	17.2	20.7	5.5	5.5	20F11NC011JA0NNNNN	2
14 (11)	15.4 (16.5)	21 (21)	10	7.5	20F11ND014AA0NNNNN	15.4 (11.5)	16.9 (17.3)	23.1 (23.1)	7.5	5.5	20F11NC015JA0NNNNN	2
22 (14)	24.2 (21)	33 (33)	15	10	20F11ND022AA0NNNNN	22 (15.4)	24.2 (23.1)	33 (33)	11	7.5	20F11NC022JA0NNNNN	2
27 (22)	29.7 (33)	40.5 (40.5)	20	15	20F11ND027AA0NNNNN	30 (22)	33 (33)	45 (45)	15	11	20F11NC030JA0NNNNN	3
34 (27)	37.4 (40.5)	51 (51)	25	20	20F11ND034AA0NNNNN	37 (30)	40.7 (45)	55.5 (55.5)	18.5	15	20F11NC037JA0NNNNN	3
40 (34)	44 (51)	60 (61.2)	30	25	20F11ND040AA0NNNNN	43 (37)	47.3 (55.5)	64.5 (66.6)	22	18.5	20F11NC043JA0NNNNN	3
52 (40)	57.2 (60)	78 (78)	40	30	20F11ND052AA0NNNNN	60 (43)	66 (66)	90 (90)	30	22	20F11NC060JA0NNNNN	4
65 (52)	71.5 (78)	97.5 (97.5)	50	40	20F11ND065AA0NNNNN	72 (60)	79.2 (90)	108 (108)	37	30	20F11NC072JA0NNNNN	4
77 (65)	84.7 (97.5)	116 (117)	60	50	20F11ND077AA0NNNNN	85 (72)	93.5 (108)	128 (130)	45	37	20F11NC085JA0NNNNN	5
96 (77)	106 (116)	144 (144)	75	60	20F11ND096AA0NNNNN	104 (85)	114 (128)	156 (156)	55	45	20F11NC104JA0NNNNN	5

125 (96)	138 (144)	188 (188)	100	75	20F1AND125AN0NNNNN	140 (104)	154 (156)	210 (210)	75	55	20F1ANC140JN0NNNNN	6 ♣
156 (125)	172 (188)	234 (234)	125	100	20F1AND156AN0NNNNN	170 (140)	187 (210)	255 (255)	90	75	20F1ANC170JN0NNNNN	6 ♣
186 (156)	205 (234)	279 (281)	150	125	20F1AND186AN0NNNNN	205 (170)	226 (255)	308 (308)	110	90	20F1ANC205JN0NNNNN	6 ♣
248 (186)	273 (279)	372 (372)	200	150	20F1AND248AN0NNNNN	260 (205)	286 (308)	390 (390)	132	110	20F1ANC260JN0NNNNN	6 ♣
302 (248)	332 (372)	453 (453)	250	200	20F1AND302AN0NNNNN	302 (260)	332 (390)	453 (468)	160	132	20F1ANC302JN0NNNNN	7 ♣
361 (302)	397 (453)	542 (544)	300	250	20F1AND361AN0NNNNN	367 (302)	404 (453)	551 (551)	200	160	20F1ANC367JN0NNNNN	7 ♣
415 (361)	457 (542)	623 (650)	350	300	20F1AND415AN0NNNNN	456 (367)	502 (551)	684 (684)	250	200	20F1ANC456JN0NNNNN	7 ♣

‡ Frames 2...5 are IP20, Frames 6...7 are IP00.

* The 11th character determines default Filtering and Common Mode Cap jumper configuration. "J" = Installed, "A" = Removed.

♣ Also available with internal Brake IGBT (20F1xxxxxxx A xxxxxx).

§ Some 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.

Frames 3, 4 and 5 are 600V only drives. Frames 6 and 7 are dual voltage drives and can be operated at 600V or 690V AC.
Important: Frames 3, 4, and 5 must NOT be used in common DC input sharing applications with Frame 6 or larger drives. For details, contact your local Rockwell Automation sales office or Allen-Bradley Distributor.

DC Bus terminals are not supplied with AC input Frame 6 and 7 drives.

600V AC, Three-Phase Drives – IP20, NEMA/UL Type 1

Output Amps §			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Frame Size
Cont.	1 Min.	3 Sec.				
1.7 (0.9)	1.9 (1.4)	2.6 (2.6)	1	0.5	20F11NE1P7AA0NNNNN	3
2.7 (1.7)	3.0 (2.6)	4.1 (4.6)	2	1	20F11NE2P7AA0NNNNN	3
3.9 (2.7)	4.3 (4.1)	5.9 (7.3)	3	2	20F11NE3P9AA0NNNNN	3
6.1 (3.9)	6.7 (5.9)	9.2 (10.5)	5	3	20F11NE6P1AA0NNNNN	3
9 (6.1)	9.9 (9.2)	13.5 (16.5)	7.5	5	20F11NE9P0AA0NNNNN	3
11 (9)	12.1 (13.5)	16.5 (24.3)	10	7.5	20F11NE011AA0NNNNN	3
17 (11)	18.7 (16.5)	25.5 (29.7)	15	10	20F11NE017AA0NNNNN	3
22 (17)	24 (26)	33 (46)	20	15	20F11NE022AA0NNNNN	3
27 (22)	30 (33)	41 (59)	25	20	20F11NE027AA0NNNNN	4
32 (27)	35 (41)	48 (73)	30	25	20F11NE032AA0NNNNN	4
41 (32)	45 (48)	62 (86)	40	30	20F11NE041AA0NNNNN	5
52 (41)	57 (62)	78 (111)	50	40	20F11NE052AA0NNNNN	5

§ 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.

600...690V AC, Three-Phase Drives – IP00, NEMA/UL Type Open

600V AC Input					690V AC Input					Frame Size
Output Amps §			Normal Duty Hp	Heavy Duty Hp	Cat. No.	Output Amps §			Cat. No. *	
Cont.	1 Min.	3 Sec.				Cont.	1 Min.	3 Sec.		