PowerFlex 755 AC Drive

0.37…1500 kW/0.5…2000 Hp in voltages from 200…690V

Designed for flexibility, connectivity and productivity, the PowerFlex 755 AC drive provides ease of use and high performance for a wide variety of motor control applications. Ideal for machines that benefit from safety options, application flexibility, and packaging designed to meet a variety of environmental conditions, the PowerFlex 755 drive offers more selection for control, communications, safety, and supporting hardware options than any other drives in its class.

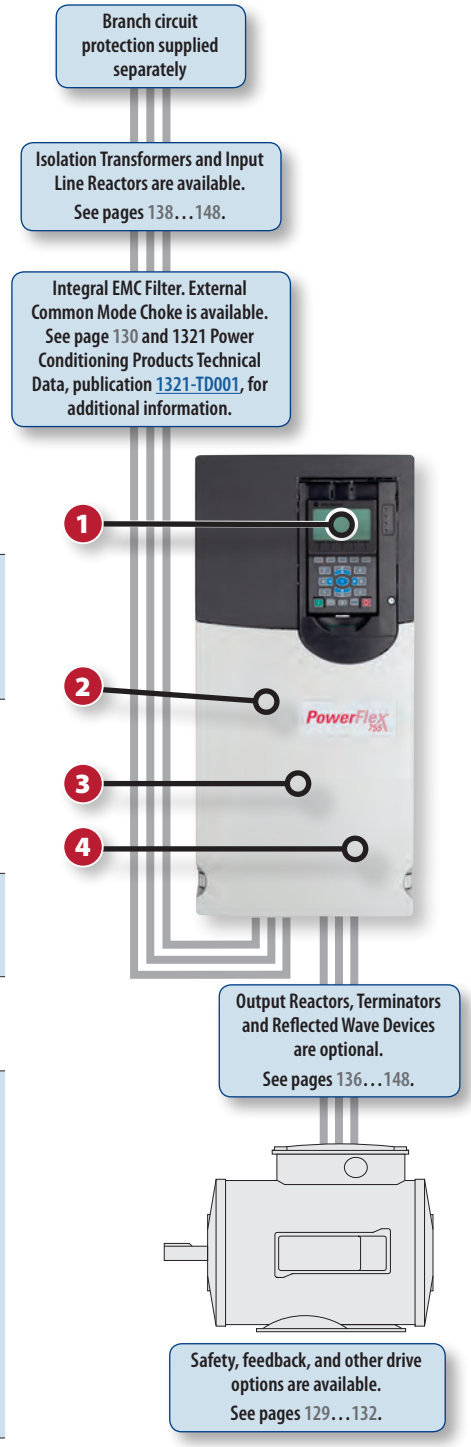
The PowerFlex 755 AC drive can be configured and programmed by using motions instructions within the Studio 5000 environment that are shared with Kinetix servo drives. This common user experience helps reduce complexity and save valuable engineering time.

PowerFlex 755 Drive at a Glance

Ratings 200…240V 380…480V 600V 690V	0.37…132 kW / 0.5…200 Hp / 2.2…477 A 0.75…1400 kW / 1.0…2000 Hp / 2.1…2330 A 1.0…1500 Hp / 1.7…1530 A 7.5…1500 kW / 12…1485 A	
Motor Control	• V/Hz Control • Sensorless Vector Control • Vector Control with FORCE Technology (with and without encoder)	• Surface Mount Permanent Magnet: Frames 1…7 (with and without encoder) Frames 8…10 (with encoder) • Interior Permanent Magnet: Frames 1…7 (with and without encoder) Frames 8…10 (with encoder)
Enclosures	• IP00/IP20, NEMA/UL Type Open • Flange Mount • IP54/NEMA/UL Type 12	• IP20, NEMA/UL Type 1 (MCC Style Cabinet) • IP54, NEMA Type 12 (MCC Style Cabinet)
Safety	• Hardwired Safe Torque Off SIL3, PLe, CAT 3 • Hardwired Safe Speed Monitor SIL3, PLe, CAT 4	• Networked Safe Torque Off SIL3, PLe, CAT 3 • Integrated Safety Functions Option SIL3, PLe, CAT4
Additional Features	• Built-in EtherNet/IP Port • Automatic Device Configuration • Program with motion instructions in Studio 5000 Logix Designer™ Software • Predictive Diagnostics • Adjustable Voltage Control • Five option slots for I/O, feedback, safety, auxiliary control power, communications • Accurate positioning with PCAM, Indexer, Electronic Gearing, and speed/position profiling • Incremental, Absolute and High Resolution feedback supported	• TorqProve for lifting applications • Pump Jack and Pump Off for oil well applications • Pump and Traverse for fiber applications • Conformal Coating • DC Link Choke • AC line fuses included with Frame 8…10 drives • Roll-out design for Frame 8…10 drives
Certifications	• ATEX(2) • cULus • CE • EAC • KCC	• RCM • RoHS • TÜV FS(1) • WEEE For a complete list, search PowerFlex Certifications on literature.rockwellautomation.com
Options	See pages 126…148	

(1) Certification applies to 20-750-S, 20-750-S1, 20-750-S3, and 20-750-S4 safety options when installed in drive.

(2) Certification requires 11-series I/O and ATEX daughter card options.



1. **LCD HIM with multi-language support in scrolling text available as optional accessory. See page 126 for other options.**
2. **Communications: Embedded EtherNet/IP. See page 126 for additional options.**
3. **Embedded I/O: 1 Digital Input. See page 126 for other options.**
4. **Integral brake transistor on Frames 1…5, optional on Frames 6…7. Resistors are available. See page 136.**

PowerFlex 755 Wall Mount Drives

PowerFlex 755 wall mount drives have a power range from 0.75 kW / 1 Hp to 270 kW / 400 Hp and are available in several factory and field installable enclosure options to meet most environmental requirements.

The standard enclosure is optimized for cabinet installation and rated at IP00/IP20, NEMA/UL Type Open. Wall mount drives can be converted to IP20, NEMA/UL Type 1 with an optional kit containing a debris hood and conduit plate. A factory enclosure option is also available with extra protection (IP54, NEMA Type 12) for harsh environments.

Flange mount drives are available via a factory option (Frames 1…5) or field installable kits (Frames 6…7) and are designed to reduce panel cooling requirements by mounting the drive heatsink outside the cabinet.

A DC link choke is included on all frames and internal brake transistor is standard on Frames 1…5 and optional on Frames 6…7.

PowerFlex 755 Floor Mount Drives

PowerFlex 755 floor mount drives have a power range from 200 kW / 250 Hp to 1400 kW / 2000 Hp, and offer multiple duty ratings to provide flexibility for different application requirements. One drive can provide three different motor current ratings. For example a 480 A drive can run a 400 Hp motor in light duty, a 350 Hp motor in normal duty, and a 300 Hp motor in heavy duty.

- Light Duty = 110% of motor rated current for 60 seconds
- Normal Duty = 110% of motor rated current for 60 seconds/150% of motor rated current for 3 seconds
- Heavy Duty = 150% of motor rated current for 60 seconds/180% of motor rated current for 3 seconds

Other power options from the factory include disconnect, reactor, contactor, integrated MCC bus for direct connection to CENTERLINE MCC, auxiliary transformer or wiring bay.

IP54, NEMA Type 12 Drive and Options (2500 MCC Style Cabinet)
(Frame 9 shown)

Includes: DC link choke, Integrated AC line fuses, roll-out design, exhaust hood, and option bay for control/protection devices.

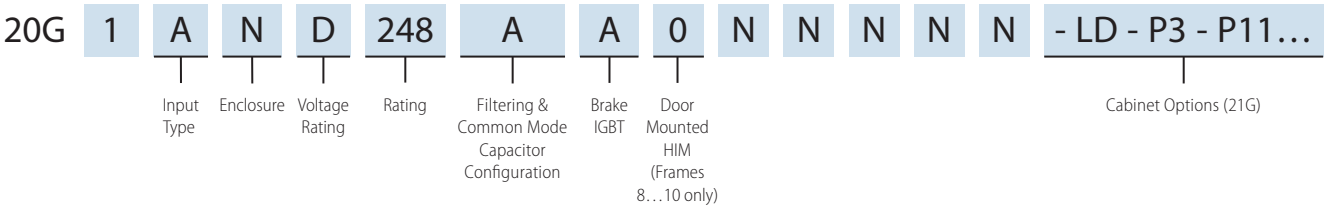
Roll-out Design
(Frame 8 shown)

A roll-out cart is required for Frame 8…10 drives and Frame 9…10 optional bay chassis. The cart has an adjustable Curb Height of 0…182 mm (0…7.2 in.) and curb offset/reach of 0…114 mm (0…4.5 in.). See page 131 for ordering information.

Additional Information

PowerFlex 750-Series Brochure, publication 750-BR001
PowerFlex 750-Series Technical Data, publication 750-TD001
PowerFlex 750-Series Quick Start Guide, publication 750-QS001

Catalog Number Explanation



Product Selection

200…240V AC, Three-phase Drives

IP00/IP20, NEMA/UL Type Open[1]

Normal Duty					Heavy Duty						
Output Amps: 240V (208V)[2]			HP	kW	Output Amps: 240V (208V)[2]			HP	kW	Cat. No.[3][4]	Frame Size
Cont.	1 min	3 s			Cont.	1 min	3 s				
2.2 (2.5)	2.4 (2.7)	3.3 (3.7)	0.5	0.37	2.2 (2.5)	3.3 (3.7)	3.9 (4.5)	0.5	0.37	20G11RB2P2JA0NNNNN	1
4.2 (4.8)	4.6 (5.2)	6.3 (7.2)	1	0.75	2.2 (2.5)	4.6 (5.2)	6.3 (7.2)	0.5	0.37	20G11RB4P2JA0NNNNN	
6.8 (7.8)	7.4 (8.5)	10.2 (11.7)	2	1.5	4.2 (4.8)	7.4 (8.5)	10.2 (11.7)	1	0.75	20G11RB6P8JA0NNNNN	
9.6 (11)	10.5 (12.1)	14.4 (16.5)	3	2.2	6.8 (7.8)	10.5 (12.1)	14.4 (16.5)	2	1.5	20G11RB9P6JA0NNNNN	
15.3 (15.3)	16.8 (16.8)	22.9 (22.9)	5	4	9.6 (11)	16.8 (16.8)	22.9 (22.9)	3	2.2	20G11RB015JA0NNNNN	
2.2 (2.5)	3.3 (3.7)	3.9 (4.5)	0.5	0.37	2.2 (2.5)	3.3 (3.7)	3.9 (4.5)	0.5	0.37	20G11NB2P2JA0NNNNN	2
4.2 (4.8)	6.3 (7.2)	7.5 (8.6)	1	0.75	4.2 (4.8)	6.3 (7.2)	7.5 (8.6)	1	0.75	20G11NB4P2JA0NNNNN	
6.8 (7.8)	10.2 (11.7)	12.2 (14)	2	1.5	6.8 (7.8)	10.2 (11.7)	12.2 (14)	2	1.5	20G11NB6P8JA0NNNNN	
9.6 (11)	14.4 (16.5)	17.2 (19.8)	3	2.2	9.6 (11)	14.4 (16.5)	17.2 (19.8)	3	2.2	20G11NB9P6JA0NNNNN	
15.3 (17.5)	16.8 (19.2)	22.9 (26.2)	5	4	9.6 (11)	16.8 (19.2)	22.9 (26.2)	3	2.2	20G11NB015JA0NNNNN	
22 (22)	24.2 (24.2)	33 (33)	7.5	5.5	15.3 (17.5)	24.2 (24.2)	33 (33)	5	4	20G11NB022JA0NNNNN	
28 (32.2)	30.8 (35.4)	42 (48.3)	10	7.5	22 (22)	33 (35.4)	42 (48.3)	7.5	5.5	20G11NB028JA0NNNNN	3
42 (43)	46.2 (47.3)	63 (64.5)	15	11	28 (32.2)	46.2 (48.3)	63 (64.5)	10	7.5	20G11NB042JA0NNNNN	
54 (60)	59.4 (66)	81 (90)	20	15	42 (43)	63 (64.5)	81 (90)	15	11	20G11NB054JA0NNNNN	4
70 (78.2)	77 (86)	105 (117)	25	18.5	54 (60)	81 (90)	105 (117)	20	15	20G11NB070JA0NNNNN	5
80 (92)	88 (101)	120 (138)	30	22	70 (78.2)	105 (117)	126 (140)	25	18.5	20G11NB080JA0NNNNN	

(1) Frames 1…5 are IP20, NEMA/UL Type Open. Frames 6…7 are IP00, NEMA/UL Type Open. Frames 1…7 can be converted to IP20, NEMA/UL Type 1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.
(2) Drives must be programmed to lower voltage to obtain the currents shown in parentheses.
(3) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.
(4) The 11th character determines default Filtering and Common Mode Cap jumper configuration; "J" = Installed, and "A" = Removed.

(table continues on next page)

200…240V AC, Three-phase Drives, (continued)

IP00/IP20, NEMA/UL Type Open (continued)[1]

Normal Duty					Heavy Duty						
Output Amps: 240V (208V)[2]					Output Amps: 240V (208V)[2]						
Cont.	1 min	3 s	Hp	kW	Cont.	1 min	3 s	Hp	kW	Cat. No.[3][4]	Frame Size
104 (120)	114 (132)	156 (180)	40	30	80 (92)	120 (138)	156 (180)	30	22	20G1ANB104JN0NNNNN[5]	6
130 (150)	143 (165)	195 (225)	50	37	104 (120)	156 (180)	195 (225)	40	30	20G1ANB130JN0NNNNN[5]	
154 (177)	169 (194)	231 (265)	60	45	130 (150)	195 (225)	234 (270)	50	37	20G1ANB154JN0NNNNN[5]	
192 (221)	211 (243)	288 (331)	75	55	154 (177)	231 (265)	288 (331)	60	45	20G1ANB192JN0NNNNN[5]	
260 (260)	286 (286)	390 (390)	100	66	192 (221)	288 (331)	390 (390)	75	55	20G1ANB260JN0NNNNN[5]	
312 (359)	343 (394)	468 (538)	125	90	260 (260)	390 (394)	468 (538)	100	66	20G1ANB312JN0NNNNN[5]	7
360 (414)	396 (455)	540 (621)	150	110	312 (359)	468 (538)	561 (646)	125	90	20G1ANB360JN0NNNNN[5]	
477 (477)	524 (524)	715 (715)	200	132	312 (359)	468 (538)	561 (646)	125	90	20G1ANB477JN0NNNNN[5]	

(1) Frames 1…5 are IP20, NEMA/UL Type Open. Frames 6…7 are IP00, NEMA/UL Type Open. Frames 1…7 can be converted to IP20, NEMA/UL Type 1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.
(2) Drives must be programmed to lower voltage to obtain the currents shown in parentheses.
(3) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.
(4) The 11th character determines default Filtering and Common Mode Cap jumper configuration; "J" = Installed, and "A" = Removed.
(5) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

IP54, NEMA/UL Type 12

Normal Duty					Heavy Duty						
Output Amps: 240V (208V)[1]					Output Amps: 240V (208V)[1]						
Cont.	1 min	3 s	HP	kW	Cont.	1 min	3 s	HP	kW	Cat. No.[2][3]	Frame Size
2.2 (2.5)	3.3 (3.8)	4 (4.5)	0.5	0.37	2.2 (2.5)	3.3 (3.7)	3.9 (4.5)	0.5	0.37	20G11GB2P2JA0NNNNN	2
4.2 (4.8)	6.3 (7.2)	7.5 (8.6)	1	0.75	4.2 (4.8)	6.3 (7.2)	7.5 (8.6)	1	0.75	20G11GB4P2JA0NNNNN	
6.8 (7.8)	10.2 (11.7)	12.2 (14)	2	1.5	6.8 (7.8)	10.2 (11.7)	12.2 (14)	2	1.5	20G11GB6P8JA0NNNNN	
9.6 (11)	14.4 (16.5)	17.2 (19.8)	3	2.2	9.6 (11)	14.4 (16.5)	17.2 (19.8)	3	2.2	20G11GB9P6JA0NNNNN	
15.3 (17.5)	16.8 (19.2)	22.9 (26.2)	5	4	9.6 (11)	16.8 (19.2)	22.9 (26.2)	3	2.2	20G11GB015JA0NNNNN	
22 (22)	24.2 (24.2)	33 (33)	7.5	5.5	15.3 (17.5)	24.2 (24.2)	33 (33)	5	4	20G11GB022JA0NNNNN	
28 (32.2)	30.8 (35.4)	42 (48.3)	10	7.5	22 (22)	33 (35.4)	42 (48.3)	7.5	5.5	20G11GB028JA0NNNNN	3
42 (43)	46.2 (47.3)	63 (64.5)	15	11	28 (32.2)	46.2 (48.3)	63 (64.5)	10	7.5	20G11GB042JA0NNNNN	
54 (60)	59.4 (66)	81 (90)	20	15	42 (43)	63 (64.5)	81 (90)	15	11	20G11GB054JA0NNNNN	4
70 (78.2)	77 (86)	105 (117)	25	18.5	54 (60)	81 (90)	105 (117)	20	15	20G11GB070JA0NNNNN	5
80 (92)	88 (101)	120 (138)	30	22	70 (78.2)	105 (117)	126 (140)	25	18.5	20G1AGB080JN0NNNNN[4]	6
104 (120)	114 (132)	156 (180)	40	30	80 (92)	120 (138)	156 (180)	30	22	20G1AGB104JN0NNNNN[4]	
130 (150)	143 (165)	195 (225)	50	37	104 (120)	156 (180)	195 (225)	40	30	20G1AGB130JN0NNNNN[4]	
154 (177)	169 (194)	231 (265)	60	45	130 (150)	195 (225)	234 (270)	50	37	20G1AGB154JN0NNNNN[4]	
192 (221)	211 (243)	288 (331)	75	55	154 (177)	231 (265)	288 (331)	60	45	20G1AGB192JN0NNNNN[4]	
260 (260)	286 (286)	390 (390)	100	66	192 (221)	288 (331)	390 (390)	75	55	20G1AGB260JN0NNNNN[4]	7
312 (359)	343 (394)	468 (538)	125	90	260 (260)	390 (394)	468 (538)	100	66	20G1AGB312JN0NNNNN[4]	
360 (414)	396 (455)	540 (621)	150	110	312 (359)	468 (538)	561 (646)	125	90	20G1AGB360JN0NNNNN[4]	

(1) Drive must be programmed to lower voltage to obtain the currents shown in parentheses.
(2) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.
(3) The 11th character determines default Filtering and Common Mode Cap jumper configuration; "J" = Installed, and "A" = Removed.
(4) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

200…240V AC, Three-phase Drives, (continued)

Flange Mount (Front: IP20, NEMA/UL Type Open; Back/Heatsink: IP66, NEMA/UL Type 4X)

Note: Frame 6…7 IP00, NEMA Type Open drives can be converted to a flange mount drive (Back/Heatsink: IP66, NEMA/UL Type 4X) with an optional user installed flange kit (20-750-FLNG4-F6 for Frame 6, and 20-750-FLNG4-F7 for Frame 7). See page 84 for 200...240V, Frame 6…7 IP00, NEMA Type Open drives.

Normal Duty					Heavy Duty						
Output Amps: 240V (208V)[1]					Output Amps: 240V (208V)[1]						
Cont.	1 min	3 s	HP	kW	Cont.	1 min	3 s	HP	kW	Cat. No.[2][3]	Frame Size
2.2 (2.5)	3.3 (3.7)	3.9 (4.5)	0.5	0.37	2.2 (2.5)	3.3 (3.7)	3.9 (4.5)	0.5	0.37	20G11FB2P2JA0NNNNN	2
4.2 (4.8)	6.3 (7.2)	7.5 (8.6)	1	0.75	4.2 (4.8)	6.3 (7.2)	7.5 (8.6)	1	0.75	20G11FB4P2JA0NNNNN	
6.8 (7.8)	10.2 (11.7)	12.2 (14)	2	1.5	6.8 (7.8)	10.2 (11.7)	12.2 (14)	2	1.5	20G11FB6P8JA0NNNNN	
9.6 (11)	14.4 (16.5)	17.2 (19.8)	3	2.2	9.6 (11)	14.4 (16.5)	17.2 (19.8)	3	2.2	20G11FB9P6JA0NNNNN	
15.3 (17.5)	16.8 (19.2)	22.9 (26.2)	5	4	9.6 (11)	16.8 (19.2)	22.9 (26.2)	3	2.2	20G11FB015JA0NNNNN	
22 (22)	24.2 (24.2)	33 (33)	7.5	5.5	15.3 (17.5)	24.2 (24.2)	33 (33)	5	4	20G11FB022JA0NNNNN	
28 (32.2)	30.8 (35.4)	42 (48.3)	10	7.5	22 (22)	33 (35.4)	42 (48.3)	7.5	5.5	20G11FB028JA0NNNNN	3
42 (43)	46.2 (47.3)	63 (64.5)	15	11	28 (32.2)	46.2 (48.3)	63 (64.5)	10	7.5	20G11FB042JA0NNNNN	
54 (60)	59.4 (66)	81 (90)	20	15	42 (43)	63 (64.5)	81 (90)	15	11	20G11FB054JA0NNNNN	4
70 (78.2)	77 (86)	105 (117)	25	18.5	54 (60)	81 (90)	105 (117)	20	15	20G11FB070JA0NNNNN	5
80 (92)	88 (101)	120 (138)	30	22	70 (78.2)	105 (117)	126 (140)	25	18.5	20G11FB080JA0NNNNN	

(1) Drive must be programmed to lower voltage to obtain the currents shown in parentheses.

(2) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

380…400V AC, Three-phase Drives

IP00/IP20, NEMA/UL Type Open[1]

Light Duty[2]			Normal Duty				Heavy Duty					
Output Amps			Output Amps				Output Amps					
Cont.	1 min	kW	Cont.	1 min	3 s	kW	Cont.	1 min	3 s	kW	Cat. No.[3][4]	Frame Size
—	—	—	2.1	2.3	3.2	0.75	1.3	2.3	3.2	0.37	20G11RC2P1JA0NNNNN	1
			3.5	3.9	5.3	1.5	2.1	3.9	5.3	0.75	20G11RC3P5JA0NNNNN	
			5	5.5	7.5	2.2	3.5	5.5	7.5	1.5	20G11RC5P0JA0NNNNN	
			8.7	9.6	13.1	4	5	9.6	13.1	2.2	20G11RC8P7JA0NNNNN	
			11.5	13.1	17.3	5.5	8.7	13.1	17.3	4	20G11RC011JA0NNNNN	
			15.4	16.9	23.1	7.5	11.5	17.2	23.1	5.5	20G11RC015JA0NNNNN	
			2.1	3.1	3.7	0.75	2.1	3.1	3.7	0.75	20G11NC2P1JA0NNNNN	2
			3.5	5.2	6.3	1.5	3.5	5.2	6.3	1.5	20G11NC3P5JA0NNNNN	
			5	7.5	9	2.2	5	7.5	9	2.2	20G11NC5P0JA0NNNNN	
			8.7	13	15.6	4	8.7	13	15.6	4	20G11NC8P7JA0NNNNN	
			11.5	17.2	20.7	5.5	11.5	17.2	20.7	5.5	20G11NC011JA0NNNNN	
			15.4	16.9	23.1	7.5	11.5	17.2	23.1	5.5	20G11NC015JA0NNNNN	
			22	24.2	33	11	15.4	24.2	33	7.5	20G11NC022JA0NNNNN	
			30	33	45	15	22	33	45	11	20G11NC030JA0NNNNN	3
			37	40.7	55.5	18.5	30	45	55.5	15	20G11NC037JA0NNNNN	
			43	47.3	64.5	22	37	55.5	66.6	18.5	20G11NC043JA0NNNNN	
			60	66	90	30	43	66	90	22	20G11NC060JA0NNNNN	4
			72	79.2	108	37	60	90	108	30	20G11NC072JA0NNNNN	
			85	93.5	128	45	72	108	130	37	20G11NC085JA0NNNNN	5
			104	114	156	55	85	128	156	45	20G11NC104JA0NNNNN	
			140	154	210	75	104	156	210	55	20G1ANC140JN0NNNNN[5]	6
			170	187	255	90	140	210	255	75	20G1ANC170JN0NNNNN[5]	
			205	226	308	110	170	255	308	90	20G1ANC205JN0NNNNN[5]	
			260	286	390	132	205	308	390	110	20G1ANC260JN0NNNNN[5]	
			302	332	453	160	260	390	468	132	20G1ANC302JN0NNNNN[5]	7
			367	404	551	200	302	453	551	160	20G1ANC367JN0NNNNN[5]	
			456	502	684	250	367	551	684	200	20G1ANC456JN0NNNNN[5]	
			477	525	716	270	367	551	684	200	20G1ANC477JN0NNNNN[5]	

(1) Frames 1…5 are IP20, NEMA/UL Type Open. Frames 6…7 are IP00, NEMA/UL Type Open. Frames 8…10 are IP20, NEMA/UL Type 1. Frames 1…7 can be converted to IP20, NEMA/UL Type 1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.

(2) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(3) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

(table continues on next page)

380…400V AC, Three-phase Drives (continued)

IP00/IP20, NEMA/UL Type Open (continued)[1]

Light Duty[2]			Normal Duty				Heavy Duty					
Output Amps			Output Amps				Output Amps					
Cont.	1 min	kW	Cont.	1 min	3 s	kW	Cont.	1 min	3 s	kW	Cat. No.[3][4]	Frame Size
540	594	315	460	506	690	250	385	578	693	200	20G1A*C460JN0NNNNN[6]	8[7]
585	644	315	540	594	810	315	456	684	821	250	20G1A*C540JN0NNNNN[6]	
612	673	355	567	624	851	315	472	708	850	250	20G1A*C567JN0NNNNN[6]	
750	825	400	650	715	975	355	540	810	972	315	20G1A*C650JN0NNNNN[6]	
796	876	450	750	825	1125	400	585	878	1053	315	20G1A*C750JN0NNNNN[6]	
832	915	450	770	847	1155	400	642	963	1156	355	20G1A*C770JN0NNNNN[6]	
1040	1144	560	910	1001	1365	500	750	1125	1350	400	20G11*C910JN0NNNNN[6]	9[7]
1090	1199	630	1040	1144	1560	560	880	1320	1584	500	20G11*C1K0JN0NNNNN[6]	
1175	1293	710	1090	1199	1635	630	910	1365	1638	500	20G11*C1K1JN0NNNNN[6]	
1465	1612	800	1175	1293	1763	710	1040	1560	1872	560	20G11*C1K2JN0NNNNN[6]	
1480	1628	850	1465	1612	2198	800	1090	1635	1962	630	20G11*C1K4JN0NNNNN[6]	
1600	1760	900	1480	1628	2220	850	1175	1763	2115	710	20G11*C1K5JN0NNNNN[6]	
1715	1887	1000	1590	1749	2385	900	1325	1988	2385	710	20G11*C1K6JN0NNNNN[6]	10[7]
2330	2563	1400	2150	2365	3225	1250	1800	2700	3240	1000	20G11*C2K1JN0NNNNN[6]	

(1) Frames 1…5 are IP20, NEMA/UL Type Open. Frames 6…7 are IP00, NEMA/UL Type Open. Frames 8…10 are IP20, NEMA/UL Type 1. Frames 1…7 can be converted to IP20, NEMA/UL Type 1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.

(2) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(3) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

(6) The 6th character (designated by an * in this table) determines Enclosure Type and Depth. "B" = IP20, NEMA/UL Type 1, MCC style 600 mm (23.6 in.) deep, and "L" = IP20, NEMA/UL Type 1, MCC style 800 mm (31.5 in.).

(7) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

380…400V AC, Three-phase Drives (continued)

IP54, NEMA/UL Type 12

Light Duty[1]			Normal Duty				Heavy Duty					
Output Amps			Output Amps				Output Amps					
Cont.	1 min	kW	Cont.	1 min	3 s	kW	Cont.	1 min	3 s	kW	Cat. No.[2][3]	Frame Size
—	—	—	2.1	3.1	3.7	0.75	2.1	3.1	3.7	0.75	20G11GC2P1JA0NNNNN	2
			3.5	5.2	6.3	1.5	3.5	5.2	6.3	1.5	20G11GC3P5JA0NNNNN	
			5	7.5	9	2.2	5	7.5	9.0	2.2	20G11GC5P0JA0NNNNN	
			8.7	13	15.6	4	8.7	13	15.6	4	20G11GC8P7JA0NNNNN	
			11.5	17.2	20.7	5.5	11.5	17.2	20.7	5.5	20G11GC011JA0NNNNN	
			15.4	16.9	23.1	7.5	11.5	17.2	23.1	5.5	20G11GC015JA0NNNNN	
			22	24.2	33	11	15.4	24.2	33	7.5	20G11GC022JA0NNNNN	
			30	33	45	15	22	33	45	11	20G11GC030JA0NNNNN	3
			37	40.7	55.5	18.5	30	45	55.5	15	20G11GC037JA0NNNNN	
			43	47.3	64.5	22	37	55.5	66.6	18.5	20G11GC043JA0NNNNN	
			60	66	90	30	43	66	90	22	20G11GC060JA0NNNNN	4
			72	79.2	108	37	60	90	108	30	20G11GC072JA0NNNNN	5
			85	93.5	128	45	72	108	130	37	20G11GC085JA0NNNNN	
			104	114	156	55	85	128	156	45	20G1AGC104JN0NNNNN[4]	6
			140	154	210	75	104	156	210	55	20G1AGC140JN0NNNNN[4]	
			170	187	255	90	140	210	255	75	20G1AGC170JN0NNNNN[4]	
			205	226	308	110	170	255	308	90	20G1AGC205JN0NNNNN[4]	
			260	286	390	132	205	308	390	110	20G1AGC260JN0NNNNN[4]	7
			302	332	453	160	260	390	468	132	20G1AGC302JN0NNNNN[4]	
			367	404	551	200	302	453	551	160	20G1AGC367JN0NNNNN[4]	
			456	502	684	250	367	551	684	200	20G1AGC456JN0NNNNN[4]	
540	594	315	460	506	690	250	385	578	693	200	20G1AJC460JN0NNNNN	8[5]
585	644	315	540	594	810	315	456	684	821	250	20G1AJC540JN0NNNNN	
612	673	355	567	624	851	315	472	708	850	250	20G1AJC567JN0NNNNN	
750	825	400	650	715	975	355	540	810	972	315	20G1AJC650JN0NNNNN	
796	876	450	750	825	1125	400	585	878	1053	315	20G1AJC750JN0NNNNN	
832	915	450	770	847	1155	400	642	963	1156	355	20G1AJC770JN0NNNNN	
1040	1144	560	910	1001	1365	500	750	1125	1350	400	20G11JC910JN0NNNNN	9[5]
1090	1199	630	1040	1144	1560	560	880	1320	1584	500	20G11JC1K0JN0NNNNN	
1175	1293	710	1090	1199	1635	630	910	1365	1638	500	20G11JC1K1JN0NNNNN	
1465	1612	800	1175	1293	1763	710	1040	1560	1872	560	20G11JC1K2JN0NNNNN	
1480	1628	850	1465	1612	2198	800	1090	1635	1962	630	20G11JC1K4JN0NNNNN	
1600	1760	900	1480	1628	2220	850	1175	1763	2115	710	20G11JC1K5JN0NNNNN	
1715	1887	1000	1590	1749	2385	900	1325	1988	2385	710	20G11JC1K6JN0NNNNN	10[5]
2330	2563	1400	2150	2365	3225	1250	1800	2700	3240	1000	20G11JC2K1JN0NNNNN	

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

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

(3) Alternate 600V ratings when connected to drives 60 Hp and greater in common DC input applications with uncontrolled front ends.

(4) Also available with internal Brake IGBT (20G1xxxxxxxAN0NNNNN).

(5) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

380…400V AC, Three-phase Drives (continued)

Flange Mount (Front: IP20, NEMA/UL Type Open; Back/Heatsink: IP66, NEMA/UL Type 4X)

Note: Frame 6…7 IP00, NEMA Type Open drives can be converted to a flange mount drive (Back/Heatsink: IP66, NEMA/UL Type 4X) with an optional user installed flange kit (20-750-FLNG4-F6 for Frame 6, and 20-750-FLNG4-F7 for Frame 7). See page 88 for 380...400V, Frame 6…7 IP00, NEMA Type Open drives.

Normal Duty				Heavy Duty					
Outputs Amp				Output Amps					
Cont.	1 min	3 s	kW	Cont.	1 min	3 s	kW	Cat. No.[1][2]	Frame Size
2.1	3.1	3.7	0.75	2.1	3.1	3.7	0.75	20G11FC2P1JA0NNNNN	2
3.5	5.2	6.3	1.5	3.5	5.2	6.3	1.5	20G11FC3P5JA0NNNNN	
5	7.5	9	2.2	5	7.5	9	2.2	20G11FC5P0JA0NNNNN	
8.7	13	15.6	4	8.7	13	15.6	4	20G11FC8P7JA0NNNNN	
11.5	17.2	20.7	5.5	11.5	17.2	20.7	5.5	20G11FC011JA0NNNNN	
15.4	16.9	23.1	7.5	11.5	17.2	23.1	5.5	20G11FC015JA0NNNNN	
22	24.2	33	11	15.4	24.2	33	7.5	20G11FC022JA0NNNNN	
30	33	45	15	22	33	45	11	20G11FC030JA0NNNNN	3
37	40.7	55.5	18.5	30	45	55.5	15	20G11FC037JA0NNNNN	
43	47.3	64.5	22	37	55.5	66.6	18.5	20G11FC043JA0NNNNN	
60	66	90	30	43	66	90	22	20G11FC060JA0NNNNN	4
72.0	79.2	108	37	60	90	108	30	20G11FC072JA0NNNNN	
85	93.5	128	45	72	108	130	37	20G11FC085JA0NNNNN	5
104	114	156	55	85	128	156	45	20G11FC104JA0NNNNN	

(1) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

480V AC, Three-phase Drives

IP00/IP20, NEMA/UL Type Open[1]

Light Duty[2]			Normal Duty				Heavy Duty					
Output Amps			Output Amps				Output Amps					
Cont.	1 min	Hp	Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cat. No.[3][4]	Frame Size
—	—	—	2.1	2.3	3.2	1	1.1	2.3	3.2	0.5	20G11RD2P1JA0NNNNN	1
			3.4	3.7	5.1	2	2.8	4.2	5.1	1	20G11RD3P4JA0NNNNN	
			5	5.5	7.5	3	3.4	5.5	7.5	2	20G11RD5P0JA0NNNNN	
			8	8.8	12	5	5	8.8	12	3	20G11RD8P0JA0NNNNN	
			11	12.1	16.5	7.5	8	12.1	16.5	5	20G11RD011JA0NNNNN	
			14	15.4	21	10	11	16.5	21	7.5	20G11RD014JA0NNNNN	
			2.1	3.1	3.7	1	2.1	3.1	3.7	1	20G11ND2P1JA0NNNNN	2
			3.4	5.1	6.1	2	3.4	5.1	6.1	2	20G11ND3P4JA0NNNNN	
			5	7.5	9.0	3	5	7.5	9	3	20G11ND5P0JA0NNNNN	
			8	12	14.4	5	8	12	14.4	5	20G11ND8P0JA0NNNNN	
			11	16.5	19.8	7.5	11	16.5	19.8	7.5	20G11ND011JA0NNNNN	
			14	15.4	21	10	11	16.5	21	7.5	20G11ND014JA0NNNNN	
			22	24.2	33	15	14	24.2	33	10	20G11ND022JA0NNNNN	
			27	29.7	40.5	20	22	33	40.5	15	20G11ND027JA0NNNNN	3
			34	37.4	51	25	27	40.5	51	20	20G11ND034JA0NNNNN	
			40	44	60	30	34	51	61.2	25	20G11ND040JA0NNNNN	
			52	57.2	78.0	40	40	60	78	30	20G11ND052JA0NNNNN	4
			65	71.5	97.5	50	52	78	97.5	40	20G11ND065JA0NNNNN	
			77	84.7	116	60	65	97.5	116	50	20G11ND077JA0NNNNN	5
			96	106	144	75	77	116	144	60	20G11ND096JA0NNNNN	
			125	138	188	100	96	144	188	75	20G1AND125JN0NNNNN[5]	6
			156	172	234	125	125	188	234	100	20G1AND156JN0NNNNN[5]	
			186	205	279	150	156	234	281	125	20G1AND186JN0NNNNN[5]	
			248	273	372	200	186	279	372	150	20G1AND248JN0NNNNN[5]	
			302	332	453	250	248	372	453	200	20G1AND302JN0NNNNN[5]	7
			361	397	542	300	302	453	535	250	20G1AND361JN0NNNNN[5]	
			415	457	623	350	361	542	650	300	20G1AND415JN0NNNNN[5]	
			477	525	716	400	361	542	650	300	20G1AND477JN0NNNNN[5]	

(1) Frames 1…5 are IP20, NEMA/UL Type Open. Frames 6…7 are IP00, NEMA/UL Type Open. Frames 8…10 are IP20, NEMA/UL Type 1. Frames 1…7 can be converted to IP20, NEMA/UL Type 1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.

(2) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(3) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

(6) The 6th character (designated by an * in this table) determines Enclosure Type and Depth. "B" = IP20, NEMA/UL Type 1, MCC style 600 mm (23.6 in.) deep, and "L" = IP20, NEMA/UL Type 1, MCC style 800 mm (31.5 in.).

(7) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

(table continues on next page)

480V AC, Three-phase Drives (continued)

IP00/IP20, NEMA/UL Type Open (continued)[1]

Light Duty[2]			Normal Duty				Heavy Duty					
Output Amps			Output Amps				Output Amps					
Cont.	1 min	Hp	Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cat. No.[3][4]	Frame Size
485	534	400	430	473	645	350	370	555	666	300	20G1A*D430JN0NNNNN[6]	8[7]
545	600	450	485	534	728	400	414	621	745	350	20G1A*D485JN0NNNNN[6]	
590	649	500	545	600	818	450	454	681	817	350	20G1A*D545JN0NNNNN[6]	
710	781	600	617	679	926	500	485	728	873	400	20G1A*D617JN0NNNNN[6]	
765	842	650	710	781	1065	600	545	818	981	450	20G1A*D710JN0NNNNN[6]	
800	880	700	740	814	1110	650	617	926	1111	500	20G1A*D740JN0NNNNN[6]	
960	1056	800	800	880	1200	700	710	1065	1278	600	20G11*D800JN0NNNNN[6]	9[7]
1045	1150	900	960	1056	1440	800	795	1193	1431	700	20G11*D960JN0NNNNN[6]	
1135	1249	1000	1045	1150	1568	900	800	1200	1440	750	20G11*D1K0JN0NNNNN[6]	
1365	1502	1100	1135	1249	1703	1000	960	1440	1728	800	20G11*D1K2JN0NNNNN[6]	
1420	1562	1250	1365	1502	2048	1100	1045	1568	1881	900	20G11*D1K3JN0NNNNN[6]	
1540	1694	1350	1420	1562	2130	1250	1135	1703	2043	1000	20G11*D1K4JN0NNNNN[6]	
1655	1821	1500	1525	1678	2288	1350	1270	1905	2286	1100	20G11*D1K5JN0NNNNN[6]	10[7]
2240	2464	2000	2070	2277	3105	1750	1730	2595	3114	1650	20G11*D2K0JN0NNNNN[6]	

(1) Frames 1…5 are IP20, NEMA/UL Type Open. Frames 6…7 are IP00, NEMA/UL Type Open. Frames 8…10 are IP20, NEMA/UL Type 1. Frames 1…7 can be converted to IP20, NEMA/UL Type 1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.

(2) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(3) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

(6) The 6th character (designated by an * in this table) determines Enclosure Type and Depth. "B" = IP20, NEMA/UL Type 1, MCC style 600 mm (23.6 in.) deep, and "L" = IP20, NEMA/UL Type 1, MCC style 800 mm (31.5 in.).

(7) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

480V AC, Three-phase Drives (continued)

IP54, NEMA/UL Type 12

Light Duty[1]			Normal Duty				Heavy Duty					
Output Amps			Output Amps				Output Amps					
Cont.	1 min	Hp	Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cat. No.[2][3]	Frame Size
—	—	—	2.1	3.1	3.7	1	2.1	3.1	3.7	1	20G11GD2P1JA0NNNNN	2
			3.4	5.1	6.1	2	3.4	5.1	6.1	2	20G11GD3P4JA0NNNNN	
			5	7.5	9	3	5	7.5	9	3	20G11GD5P0JA0NNNNN	
			8	12	14.4	5	8	12	14.4	5	20G11GD8P0JA0NNNNN	
			11	16.5	19.8	7.5	11	16.5	19.8	7.5	20G11GD011JA0NNNNN	
			14	15.4	21	10	11	16.5	21	7.5	20G11GD014JA0NNNNN	
			22	24.2	33	15	14	24.2	33	10	20G11GD022JA0NNNNN	
			27	29.7	40.5	20	22	33	40.5	15	20G11GD027JA0NNNNN	3
			34	37.4	51	25	27	40.5	51	20	20G11GD034JA0NNNNN	
			40	44	60	30	34	51	61.2	25	20G11GD040JA0NNNNN	
			52	57.2	78	40	40	60	78	30	20G11GD052JA0NNNNN	4
			65	71.5	97.5	50	52	78	97.5	40	20G11GD065JA0NNNNN	5
			77	84.7	116	60	65	97.5	116	50	20G11GD077JA0NNNNN	
			96	106	144	75	77	116	144	60	20G1AGD096JN0NNNNN[4]	6
			125	138	188	100	96	144	188	75	20G1AGD125JN0NNNNN[4]	
			156	172	234	125	125	188	234	100	20G1AGD156JN0NNNNN[4]	
			186	205	279	150	156	234	281	125	20G1AGD186JN0NNNNN[4]	
			248	273	372	200	186	279	372	150	20G1AGD248JN0NNNNN[4]	7
			302	332	453	250	248	372	453	200	20G1AGD302JN0NNNNN[4]	
			361	397	542	300	302	453	535	250	20G1AGD361JN0NNNNN[4]	
			415	457	623	350	361	542	650	300	20G1AGD415JN0NNNNN[4]	
485	534	400	430	473	645	350	370	555	666	300	20G1AJD430JN0NNNNN	8[5]
545	600	450	485	534	728	400	414	621	745	350	20G1AJD485JN0NNNNN	
590	649	500	545	600	818	450	454	681	817	350	20G1AJD545JN0NNNNN	
710	781	600	617	679	926	500	485	728	873	400	20G1AJD617JN0NNNNN	
765	842	650	710	781	1065	600	545	818	981	450	20G1AJD710JN0NNNNN	
800	880	700	740	814	1110	650	617	926	1111	500	20G1AJD740JN0NNNNN	
960	1056	800	800	880	1200	700	710	1065	1278	600	20G11JD800JN0NNNNN	9[5]
1045	1150	900	960	1056	1440	800	795	1193	1431	700	20G11JD960JN0NNNNN	
1135	1249	1000	1045	1150	1568	900	800	1200	1440	750	20G11JD1K0JN0NNNNN	
1365	1502	1100	1135	1249	1703	1000	960	1440	1728	800	20G11JD1K2JN0NNNNN	
1420	1562	1250	1365	1502	2048	1100	1045	1568	1881	900	20G11JD1K3JN0NNNNN	
1540	1694	1350	1420	1562	2130	1250	1135	1703	2043	1000	20G11JD1K4JN0NNNNN	
1655	1821	1500	1525	1678	2288	1350	1270	1905	2286	1100	20G11JD1K5JN0NNNNN	10[5]
2240	2464	2000	2070	2277	3105	1750	1730	2595	3114	1650	20G11JD2K0JN0NNNNN	

(1) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(2) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(4) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

(5) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

480V AC, Three-phase Drives (continued)

Flange Mount (Front: IP20, NEMA/UL Type Open; Back/Heatsink: IP66, NEMA/UL Type 4X)

Note: Frame 6…7 IP00, NEMA Type Open drives can be converted to a flange mount drive (Back/Heatsink: IP66, NEMA/UL Type 4X) with an optional user installed flange kit (20-750-FLNG4-F6 for Frame 6, and 20-750-FLNG4-F7 for Frame 7). See page 91 for 480V, Frame 6…7 IP00, NEMA Type Open drives.

Normal Duty				Heavy Duty					
Output Amps				Output Amps					
Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cat. No.[1][2]	Frame Size
2.1	3.1	3.7	1	2.1	3.1	3.7	1	20G11FD2P1JA0NNNNN	2
3.4	5.1	6.1	2	3.4	5.1	6.1	2	20G11FD3P4JA0NNNNN	
5	7.5	9	3	5	7.5	9	3	20G11FD5P0JA0NNNNN	
8	12	14.4	5	8	12	14.4	5	20G11FD8P0JA0NNNNN	
11	16.5	19.8	7.5	11	16.5	19.8	7.5	20G11FD011JA0NNNNN	
14	15.4	21	10	11	16.5	21	7.5	20G11FD014JA0NNNNN	
22	24.2	33	15	14	24.2	33	10	20G11FD022JA0NNNNN	
27	29.7	40.5	20	22	33	40.5	15	20G11FD027JA0NNNNN	3
34	37.4	51	25	27	40.5	51	20	20G11FD034JA0NNNNN	
40	44	60	30	34	51	61.2	25	20G11FD040JA0NNNNN	
52.0	57.2	78	40	40	60	78	30	20G11FD052JA0NNNNN	4
65.0	71.5	97.5	50	52	78	97.5	40	20G11FD065JA0NNNNN	
77	84.7	116	60	65	97.5	116	50	20G11FD077JA0NNNNN	5
96	106	144	75	77	116	144	60	20G11FD096JA0NNNNN	

(1) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

600V AC, Three-phase Drives

Frames 3, 4, and 5 are only 600V AC drives. Frames 6 and 7 are dual-voltage drives, and can be operated at 600 V or 690V AC.

Important: Frames 3, 4, and 5 must not be used in common DC input-sharing applications with Frames 6 or larger drives. For more details, contact your local Rockwell Automation sales office or your Allen-Bradley distributor.

IP00/IP20, NEMA/UL Type Open[1]

Light Duty[2]			Normal Duty				Heavy Duty					
Outputs Amp			Outputs Amp				Output Amps					
Cont.	1 min	Hp	Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cat. No.[3][4]	Frame Size
—	—	—	1.7	1.9	2.6	1	1.7	1.4	2.6	1	20G11NE1P7JA0NNNNN	3
			2.7	3	4.1	2	1.7	2.6	4.1	1	20G11NE2P7JA0NNNNN	
			3.9	4.29	5.85	3	2.7	4.1	5.9	2	20G11NE3P9JA0NNNNN	
			6.1	6.7	9.2	5	3.9	5.9	9.2	3	20G11NE6P1JA0NNNNN	
			9	9.9	13.5	7.5	6.1	9.2	13.5	5	20G11NE9P0JA0NNNNN	
			11	12.1	16.5	10	9	13.5	16.5	7.5	20G11NE011JA0NNNNN	
			17	18.7	25.5	15	11	16.5	25.5	10	20G11NE017JA0NNNNN	
			22	24.2	33	20	17	25.5	33	15	20G11NE022JA0NNNNN	
			27	29.7	40.5	25	22	33	40.5	20	20G11NE027JA0NNNNN	4
			32	35.2	48	30	27	40.5	48.6	25	20G11NE032JA0NNNNN	
			41	45.1	61.5	40	32	48	61.5	30	20G11NE041JA0NNNNN	5
			52	57.2	78	50	41	61.5	78	40	20G11NE052JA0NNNNN	
			12	13.2	18	10	9.1	13.7	18	7.5	20G1ANE012JN0NNNNN[5]	6
			18	19.8	27	15	12	18	27	10	20G1ANE018JN0NNNNN[5]	
			23	25.3	34.5	20	18	27	34.5	15	20G1ANE023JN0NNNNN[5]	
			24	26.4	36	20	22	33	39.6	20	20G1ANE024JN0NNNNN[5]	
			28	30.8	42	25	23	34.5	42	20	20G1ANE028JN0NNNNN[5]	
			33	36.3	49.5	30	28	42	50.4	25	20G1ANE033JN0NNNNN[5]	
			42	46.2	63	40	33	49.5	63	30	20G1ANE042JN0NNNNN[5]	
			53	58	80	50	42	63	80	40	20G1ANE053JN0NNNNN[5]	
			63	69	95	60	52	78	95	50	20G1ANE063JN0NNNNN[5]	
			77	85	116	75	63	95	116	60	20G1ANE077JN0NNNNN[5]	
			99	109	149	100	77	116	149	75	20G1ANE099JN0NNNNN[5]	
			125	138	188	125	99	149	188	100	20G1ANE125JN0NNNNN[5]	
			144	158	216	150	125	188	225	125	20G1ANE144JN0NNNNN[5]	
			192	211	288	200	144	216	288	150	20G1ANE192JN0NNNNN[5]	7
			242	266	363	250	192	288	363	200	20G1ANE242JN0NNNNN[5]	
			289	318	434	300	242	363	436	250	20G1ANE289JN0NNNNN[5]	

(1) Frames 3…5 are IP20, NEMA/UL Type Open. Frames 6…7 are IP00, NEMA/UL Type Open. Frames 8…10 are IP20, NEMA/UL Type 1. Frames 3…7 can be converted to IP20, NEMA/UL Type 1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.

(2) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(3) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

(6) The 6th character (designated by an * in this table) determines Enclosure Type and Depth. "B" = IP20, NEMA/UL Type 1, MCC style 600 mm (23.6 in.) deep, and "L" = IP20, NEMA/UL Type 1, MCC style 800 mm (31.5 in.).

(7) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

(table continues on next page)

600V AC, Three-phase Drives (continued)

Frames 3, 4, and 5 are only 600V AC drives. Frames 6 and 7 are dual-voltage drives, and can be operated at 600 V or 690V AC.

Important: Frames 3, 4, and 5 must not be used in common DC input-sharing applications with Frames 6 or larger drives. For more details, contact your local Rockwell Automation sales office or your Allen-Bradley distributor.

IP00/IP20, NEMA/UL Type Open (continued)[1]

Light Duty[2]			Normal Duty				Heavy Duty					
Outputs Amp			Outputs Amp				Output Amps					
Cont.	1 min	Hp	Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cat. No.[3][4]	Frame Size
355	391	350	295	325	443	300	272	408	490	250	20G1A*E295JN0NNNNN[6]	8[7]
395	435	400	355	391	533	350	295	443	531	300	20G1A*E355JN0NNNNN[6]	
435	479	450	395	435	593	400	329	494	592	350	20G1A*E395JN0NNNNN[6]	
460	506	500	435	479	653	450	355	533	639	350	20G1A*E435JN0NNNNN[6]	
510	561	500	460	506	690	500	395	593	711	400	20G1A*E460JN0NNNNN[6]	
545	600	550	510	561	765	500	425	638	765	450	20G1A*E510JN0NNNNN[6]	
690	759	700	595	655	893	600	510	765	918	500	20G11*E595JN0NNNNN[6]	9[7]
760	836	800	630	693	945	700	595	893	1071	600	20G11*E630JN0NNNNN[6]	
835	919	900	760	836	1140	800	630	945	1134	700	20G11*E760JN0NNNNN[6]	
900	990	950	825	908	1238	900	700	1050	1260	750	20G11*E825JN0NNNNN[6]	
980	1078	1000	900	990	1350	950	760	1140	1368	800	20G11*E900JN0NNNNN[6]	
1045	1150	1100	980	1078	1470	1000	815	1223	1467	900	20G11*E980JN0NNNNN[6]	
1220	1342	1200	1110	1221	1665	1100	920	1380	1656	1000	20G11*E1K1JN0NNNNN[6]	10[7]
1530	1683	1500	1430	1573	2145	1400	1190	1785	2142	1250	20G11*E1K4JN0NNNNN[6]	

(1) Frames 3…5 are IP20, NEMA/UL Type Open. Frames 6…7 are IP00, NEMA/UL Type Open. Frames 8…10 are IP20, NEMA/UL Type 1. Frames 3…7 can be converted to IP20, NEMA/UL Type 1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.

(2) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(3) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

(6) The 6th character (designated by an * in this table) determines Enclosure Type and Depth. "B" = IP20, NEMA/UL Type 1, MCC style 600 mm (23.6 in.) deep, and "L" = IP20, NEMA/UL Type 1, MCC style 800 mm (31.5 in.).

(7) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

600V AC, Three-phase Drives (continued)

Frames 3, 4, and 5 are only 600V AC drives. Frames 6 and 7 are dual-voltage drives, and can be operated at 600 V or 690V AC.

Important: Frames 3, 4, and 5 must not be used in common DC input-sharing applications with Frames 6 or larger drives. For more details, contact your local Rockwell Automation sales office or your Allen-Bradley distributor.

IP54, NEMA/UL Type 12

Light Duty[1]			Normal Duty				Heavy Duty					
Output Amps			Output Amps				Output Amps					
Cont.	1 min	Hp	Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cat. No.[2][3]	Frame Size
—	—	—	1.7	1.9	2.6	1	1.7	1.4	2.6	1	20G11GE1P7JA0NNNNN	3
			2.7	3	4.1	2	1.7	2.6	4.1	1	20G11GE2P7JA0NNNNN	
			3.9	4.29	5.85	3	2.7	4.1	5.9	2	20G11GE3P9JA0NNNNN	
			6.1	6.7	9.2	5	3.9	5.9	9.2	3	20G11GE6P1JA0NNNNN	
			9	9.9	13.5	7.5	6.1	9.2	13.5	5	20G11GE9P0JA0NNNNN	
			11	12.1	16.5	10	9	13.5	16.5	7.5	20G11GE011JA0NNNNN	
			17	18.7	25.5	15	11	16.5	25.5	10	20G11GE017JA0NNNNN	
			22	24.2	33	20	17	25.5	33	15	20G11GE022JA0NNNNN	
			27	29.7	40.5	25	22	33	40.5	20	20G11GE027JA0NNNNN	4
			32	35.2	48	30	27	40.5	48.6	25	20G11GE032JA0NNNNN	
			41	45.1	61.5	40	32.0	48	61.5	30	20G11GE041JA0NNNNN	5
			12	13.2	18	10	9.1	13.7	18	7.5	20G1AGE012JN0NNNNN[4]	6
			18	19.8	27	15	12	18	27	10	20G1AGE018JN0NNNNN[4]	
			23	25.3	34.5	20	18	27	34.5	15	20G1AGE023JN0NNNNN[4]	
			24	26.4	36	20	22	33	39.6	20	20G1AGE024JN0NNNNN[4]	
			28	30.8	42	25	23	34.5	42	20	20G1AGE028JN0NNNNN[4]	
			33	36.3	49.5	30	28	42	50.4	25	20G1AGE033JN0NNNNN[4]	
			42	46.2	63	40	33	49.5	63	30	20G1AGE042JN0NNNNN[4]	
			53	58	80	50	42	63	80	40	20G1AGE053JN0NNNNN[4]	
			63	69	95	60	52	78	95	50	20G1AGE063JN0NNNNN[4]	
			77	85	116	75	63	95	116	60	20G1AGE077JN0NNNNN[4]	
			99	109	149	100	77	116	149	75	20G1AGE099JN0NNNNN[4]	
			125	138	188	125	99	149	188	100	20G1AGE125JN0NNNNN[4]	
			144	158	216	150	125	188	225	125	20G1AGE144JN0NNNNN[4]	
			192	211	288	200	144	216	288	150	20G1AGE192JN0NNNNN[4]	7
			242	266	363	250	192	288	363	200	20G1AGE242JN0NNNNN[4]	
			289	318	434	300	242	363	436	250	20G1AGE289JN0NNNNN[4]	

(1) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(2) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(4) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

(table continues on next page)

600V AC, Three-phase Drives (continued)

Frames 3, 4, and 5 are only 600V AC drives. Frames 6 and 7 are dual-voltage drives, and can be operated at 600 V or 690V AC.

Important: Frames 3, 4, and 5 must not be used in common DC input-sharing applications with Frames 6 or larger drives. For more details, contact your local Rockwell Automation sales office or your Allen-Bradley distributor.

IP54, NEMA/UL Type 12 (continued)

Light Duty[1]			Normal Duty				Heavy Duty					
Output Amps			Output Amps				Output Amps					
Cont.	1 min	Hp	Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cat. No.[2][3]	Frame Size
355	391	350	295	325	443	300	272	408	490	250	20G1AJE295JN0NNNNN	8[5]
395	435	400	355	391	533	350	295	443	531	300	20G1AJE355JN0NNNNN	
435	479	450	395	435	593	400	329	494	592	350	20G1AJE395JN0NNNNN	
460	506	500	435	479	653	450	355	533	639	350	20G1AJE435JN0NNNNN	
510	561	500	460	506	690	500	395	593	711	400	20G1AJE460JN0NNNNN	
545	600	550	510	561	765	500	425	638	765	450	20G1AJE510JN0NNNNN	
690	759	700	595	655	893	600	510	765	918	500	20G11JE595JN0NNNNN	9[5]
760	836	800	630	693	945	700	595	893	1071	600	20G11JE630JN0NNNNN	
835	919	900	760	836	1140	800	630	945	1134	700	20G11JE760JN0NNNNN	
900	990	950	825	908	1238	900	700	1050	1260	750	20G11JE825JN0NNNNN	
980	1078	1000	900	990	1350	950	760	1140	1368	800	20G11JE900JN0NNNNN	
1045	1150	1100	980	1078	1470	1000	815	1223	1467	900	20G11JE980JN0NNNNN	
1220	1342	1200	1110	1221	1665	1100	920	1380	1656	1000	20G11JE1K1JN0NNNNN	10[5]
1530	1683	1500	1430	1573	2145	1400	1190	1785	2142	1250	20G11JE1K4JN0NNNNN	

(1) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(2) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(4) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

(5) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

600V AC, Three-phase Drives (continued)

Flange Mount (Front: IP20, NEMA/UL Type Open; Back/Heatsink: IP66, NEMA/UL Type 4X)

Frames 3, 4, and 5 are only 600V AC drives. Frames 6 and 7 are dual-voltage drives, and can be operated at 600 V or 690V AC.

Important: Frames 3, 4, and 5 must not be used in common DC input-sharing applications with Frames 6 or larger drives. For more details, contact your local Rockwell Automation sales office or your Allen-Bradley distributor.

Note: Frame 6…7 IP00, NEMA Type Open drives can be converted to a flange mount drive (back/heatsink: IP66, NEMA/UL Type 4X) with an optional user installed flange kit (kit 20-750-FLNG4-F6 for Frame 6, and kit 20-750-FLNG4-F7 for Frame 7). See page 95 for 600V, Frame 6…7 IP00, NEMA Type Open drives.

Normal Duty				Heavy Duty					
Outputs Amp				Output Amps					
Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cat. No.[1][2]	Frame Size
1.7	1.9	2.6	1	1.7	1.4	2.6	1	20G11FE1P7JA0NNNNN	3
2.7	3	4.1	2	1.7	2.6	4.1	1	20G11FE2P7JA0NNNNN	
3.9	4.29	5.85	3	2.7	4.1	5.9	2	20G11FE3P9JA0NNNNN	
6.1	6.7	9.2	5	3.9	5.9	9.2	3	20G11FE6P1JA0NNNNN	
9	9.9	13.5	7.5	6.1	9.2	13.5	5	20G11FE9P0JA0NNNNN	
11	12.1	16.5	10	9	13.5	16.5	7.5	20G11FE011JA0NNNNN	
17	18.7	25.5	15	11	16.5	25.5	10	20G11FE017JA0NNNNN	
22	24.2	33	20	17	25.5	33	15	20G11FE022JA0NNNNN	
27	29.7	40.5	25	22	33	40.5	20	20G11FE027JA0NNNNN	4
32	35.2	48	30	27	40.5	48.6	25	20G11FE032JA0NNNNN	
41	45.1	61.5	40	32	48	61.5	30	20G11FE041JA0NNNNN	5
52	57.2	78	50	41	61.5	78.0	40	20G11FE052JA0NNNNN	

(1) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

690V AC, Three-phase Drives

IP00/IP20, NEMA/UL Type Open[1]

Light Duty[2]			Normal Duty				Heavy Duty					
Output Amps			Output Amps				Output Amps					
Cont.	1 min	kW	Cont.	1 min	3 s	kW	Cont.	1 min	3 s	kW	Cat. No.[3][4]	Frame Size
—	—	—	12	13.2	18	7.5	9	13.5	18	5.5	20G1ANF012JN0NNNNN[5]	6
			15	16.5	22.5	11	12	18	22.5	7.5	20G1ANF015JN0NNNNN[5]	
			20	22	30	15	15	22.5	30	11	20G1ANF020JN0NNNNN[5]	
			23	25.3	34.5	18.5	20	30	36	15	20G1ANF023JN0NNNNN[5]	
			30	33	45	22	23	34.5	45	18.5	20G1ANF030JN0NNNNN[5]	
			34	37.4	51	30	30	45	54	22	20G1ANF034JN0NNNNN[5]	
			46	50.6	69	37	34	51	69	30	20G1ANF046JN0NNNNN[5]	
			50	55	75	45	46	69	83	37	20G1ANF050JN0NNNNN[5]	
			61	67	92	55	50	75	92	45	20G1ANF061JN0NNNNN[5]	
			82	90	123	75	61	92	123	55	20G1ANF082JN0NNNNN[5]	
			98	108	147	90	82	123	148	75	20G1ANF098JN0NNNNN[5]	
			119	131	179	110	98	147	179	90	20G1ANF119JN0NNNNN[5]	
			142	156	213	132	119	179	214	110	20G1ANF142JN0NNNNN[5]	
			171	188	257	160	142	213	257	132	20G1ANF171JN0NNNNN[5]	7
			212	233	318	200	171	257	318	160	20G1ANF212JN0NNNNN[5]	
			263	289	395	250	212	318	395	200	20G1ANF263JN0NNNNN[5]	
330	363	315	265	292	398	250	215	323	387	200	20G1A*F265JN0NNNNN[6]	8[7]
370	407	355	330	363	495	315	265	398	477	250	20G1A*F330JN0NNNNN[6]	
410	451	400	370	407	555	355	308	462	554	300	20G1A*F370JN0NNNNN[6]	
460	506	450	415	457	623	400	370	555	666	355	20G1A*F415JN0NNNNN[6]	
500	550	500	460	506	690	450	375	563	675	375	20G1A*F460JN0NNNNN[6]	
530	583	530	500	550	750	500	413	620	743	400	20G1A*F500JN0NNNNN[6]	
650	715	630	590	649	885	560	460	690	828	450	20G11*F590JN0NNNNN[6]	9[7]
710	781	710	650	715	975	630	500	750	900	500	20G11*F650JN0NNNNN[6]	
790	869	800	710	781	1065	710	590	885	1062	560	20G11*F710JN0NNNNN[6]	
860	946	850	765	842	1148	750	650	975	1170	630	20G11*F765JN0NNNNN[6]	
960	1056	900	795	875	1193	800	750	1125	1350	710	20G11*F795JN0NNNNN[6]	
1020	1122	1000	960	1056	1440	900	795	1193	1431	800	20G11*F960JN0NNNNN[6]	
1150	1265	1100	1040	1144	1560	1000	865	1298	1557	900	20G11*F1K0JN0NNNNN[6]	10[7]
1485	1634	1500	1400	1540	2100	1400	1160	1740	2088	1120	20G11*F1K4JN0NNNNN[6]	

(1) Frames 6…7 are IP00, NEMA/UL Type Open. Frames 8…10 are IP20, NEMA/UL Type 1. Frames 6…7 can be converted to IP20, NEMA/UL Type 1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.

(2) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(3) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

(6) The 6th character (designated by an * in this table) determines Enclosure Type and Depth. "B" = IP20, NEMA/UL Type 1, MCC style 600 mm (23.6 in.) deep, and "L" = IP20, NEMA/UL Type 1, MCC style 800 mm (31.5 in.).

(7) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

690V AC, Three-phase Drives (continued)

IP54, NEMA/UL Type 12

Light Duty[1]			Normal Duty				Heavy Duty					
Output Amps			Output Amps				Output Amps					
Cont.	1 min	kW	Cont.	1 min	3 s	kW	Cont.	1 min	3 s	kW	Cat. No.[2][3]	Frame Size
—	—	—	12	13.2	18	7.5	9	13.5	18	5.5	20G1AGF012JN0NNNNN[4]	6
			15	16.5	22.5	11	12	18	22.5	7.5	20G1AGF015JN0NNNNN[4]	
			20	22	30	15	15	22.5	30	11	20G1AGF020JN0NNNNN[4]	
			23	25.3	34.5	18.5	20	30	36	15	20G1AGF023JN0NNNNN[4]	
			30	33	45	22	23	34.5	45	18.5	20G1AGF030JN0NNNNN[4]	
			34	37.4	51	30	30	45	54	22	20G1AGF034JN0NNNNN[4]	
			46	50.6	69	37	34	51	69	30	20G1AGF046JN0NNNNN[4]	
			50	55	75	45	46	69	83	37	20G1AGF050JN0NNNNN[4]	
			61	67	92	55	50	75	92	45	20G1AGF061JN0NNNNN[4]	
			82	90	123	75	61	92	123	55	20G1AGF082JN0NNNNN[4]	
			98	108	147	90	82	123	148	75	20G1AGF098JN0NNNNN[4]	
			119	131	179	110	98	147	179	90	20G1AGF119JN0NNNNN[4]	
			142	156	213	132	119	179	214	110	20G1AGF142JN0NNNNN[4]	
			171	188	257	160	142	213	257	132	20G1AGF171JN0NNNNN[4]	7
			212	233	318	200	171	257	318	160	20G1AGF212JN0NNNNN[4]	
			263	289	395	250	212	318	395	200	20G1AGF263JN0NNNNN[4]	
330	363	315	265	292	398	250	215	323	387	200	20G1AJF265JN0NNNNN	8[5]
370	407	355	330	363	495	315	265	398	477	250	20G1AJF330JN0NNNNN	
410	451	400	370	407	555	355	308	462	554	300	20G1AJF370JN0NNNNN	
460	506	450	415	457	623	400	370	555	666	355	20G1AJF415JN0NNNNN	
500	550	500	460	506	690	450	375	563	675	375	20G1AJF460JN0NNNNN	
530	583	530	500	550	750	500	413	620	743	400	20G1AJF500JN0NNNNN	
650	715	630	590	649	885	560	460	690	828	450	20G11JF590JN0NNNNN	9[5]
710	781	710	650	715	975	630	500	750	900	500	20G11JF650JN0NNNNN	
790	869	800	710	781	1065	710	590	885	1062	560	20G11JF710JN0NNNNN	
860	946	850	765	842	1148	750	650	975	1170	630	20G11JF765JN0NNNNN	
960	1056	900	795	875	1193	800	750	1125	1350	710	20G11JF795JN0NNNNN	
1020	1122	1000	960	1056	1440	900	795	1193	1431	800	20G11JF960JN0NNNNN	
1150	1265	1100	1040	1144	1560	1000	865	1298	1557	900	20G11JF1K0JN0NNNNN	10[5]
1485	1634	1500	1400	1540	2100	1400	1160	1740	2088	1120	20G11JF1K4JN0NNNNN	

(1) Light Duty rating only available on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.

(2) The 5th character determines Input Type; "1" = AC input with precharge and DC terminals, and "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(4) The 12th character determines whether an internal dynamic braking IGBT is included; "A" = Internal dynamic braking transistor installed, and "N" = No internal dynamic braking transistor.

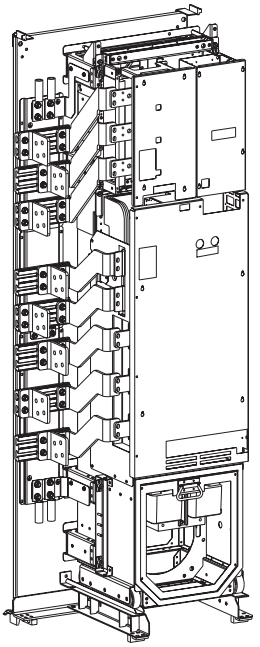
(5) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

Flange Mount (Front: IP20, NEMA/UL Type Open; Back/Heatsink: IP66, NEMA/UL Type 4X)

Note: Frame 6…7 IP00, NEMA Type Open drives can be converted to a flange mount drive (Back/Heatsink: IP66, NEMA/UL Type 4X) with an optional user installed flange kit (20-750-FLNG4-F6 for Frame 6, and 20-750-FLNG4-F7 for Frame 7).

See page 100 for 690V, Frame 6…7 IP00, NEMA Type Open drives.

PowerFlex 755 Floor Mount Drives for Open Frame Designs



Floor mount, open frame drives are for applications that require power ranges from 215 kW to 1500kW (250 Hp…2000 Hp) and are contained within an enclosure of your choosing. These drives use the same drive unit(s) as standard IP20 and IP54 product. Open Frame applications can accommodate either AC input or Common Bus DC input systems.

Floor mount, open frame drives can also be horizontally mounted, with derating. Refer to publication 750-IN020 for details.

To order an IP00 drive:

1. Using the tables that follow, locate your desired drive output values.
2. Select the Base Drive Catalog Number for your desired output values.
3. Note the Quantity Required.
4. Order the specified quantity (1, 2, or 3) of the Base Drive Catalog Number.
5. Refer to page 130 for option kits and the PowerFlex 755 IP00 NEMA/UL Open Type Drive Installation Instructions, publication 750-IN020 for installation details.

380…400V AC, Three-phase and 540V DC Input Drives[1]

Light Duty		Normal Duty		Heavy Duty				
Output Amps		Output Amps		Output Amps				
Cont.	kW	Cont.	kW	Cont.	kW	Base Drive Cat. No.[2]	Quantity Required	Equivalent Frame Size
540	315	460	250	385	200	20G11TC460JN0NNNNN	1	8
585	315	540	315	456	250	20G11TC540JN0NNNNN		
612	355	567	315	472	250	20G11TC567JN0NNNNN		
750	400	650	355	540	315	20G11TC650JN0NNNNN		
796	450	750	400	585	315	20G11TC750JN0NNNNN		
832	450	770	400	642	355	20G11TC770JN0NNNNN		
1040	560	910	500	750	400	20G11TC460JN0NNNNN	2	9
1090	630	1040	560	880	500	20G11TC540JN0NNNNN		
1175	710	1090	630	910	500	20G11TC567JN0NNNNN		
1465	800	1175	710	1040	560	20G11TC650JN0NNNNN		
1480	850	1465	800	1090	630	20G11TC750JN0NNNNN		
1600	900	1480	850	1175	710	20G11TC770JN0NNNNN		
1715	1000	1590	900	1325	710	20G11TC567JN0NNNNN	3	10
2330	1400	2150	1250	1800	1000	20G11TC770JN0NNNNN		

(1) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

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

PowerFlex 755 Floor Mount Drives for Open Frame Designs (continued)

480V AC, Three-phase and 650V DC Input Drives[1]

Light Duty (-LD)		Normal Duty (-ND)		Heavy Duty (-HD)				
Output Amps Cont.	Hp	Output Amps Cont.	Hp	Output Amps Cont.	Hp	Base Drive Cat. No.	Quantity Required	Equivalent Frame Size
485	400	430	350	370	300	20G11TD430JN0NNNNN	1	8
545	450	485	400	414	350	20G11TD485JN0NNNNN		
590	500	545	450	454	350	20G11TD545JN0NNNNN		
710	600	617	500	485	400	20G11TD617JN0NNNNN		
765	650	710	600	545	450	20G11TD710JN0NNNNN		
800	700	740	650	617	500	20G11TD740JN0NNNNN		
960	800	800	700	710	600	20G11TD430JN0NNNNN	2	9
1045	900	960	800	795	700	20G11TD485JN0NNNNN		
1135	1000	1045	900	800	750	20G11TD545JN0NNNNN		
1365	1100	1135	1000	960	800	20G11TD617JN0NNNNN		
1420	1250	1365	1100	1045	900	20G11TD710JN0NNNNN		
1540	1350	1420	1250	1135	1000	20G11TD740JN0NNNNN		
1655	1500	1525	1350	1270	1100	20G11TD545JN0NNNNN	3	10
2240	2000	2070	1750	1730	1650	20G11TD740JN0NNNNN		

(1) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

600V AC, Three-phase and 810V DC Input Drives[1]

Light Duty (-LD)		Normal Duty (-ND)		Heavy Duty (-HD)				
Output Amps Cont.	Hp	Output Amps Cont.	Hp	Output Amps Cont.	Hp	Base Drive Cat. No.	Quantity Required	Equivalent Frame Size
355	350	295	300	272	250	20G11TE295JN0NNNNN	1	8
395	400	355	350	295	300	20G11TE355JN0NNNNN		
435	450	395	400	329	350	20G11TE395JN0NNNNN		
460	500	435	450	355	350	20G11TE435JN0NNNNN		
510	500	460	500	395	400	20G11TE460JN0NNNNN		
545	550	510	500	425	450	20G11TE510JN0NNNNN		
690	700	595	600	510	500	20G11TE295JN0NNNNN	2	9
760	800	630	700	595	600	20G11TE355JN0NNNNN		
835	900	760	800	630	700	20G11TE395JN0NNNNN		
900	950	825	900	700	750	20G11TE435JN0NNNNN		
980	1000	900	950	760	800	20G11TE460JN0NNNNN		
1045	1100	980	1000	815	900	20G11TE510JN0NNNNN		
1220	1200	1110	1100	920	1000	20G11TE395JN0NNNNN	3	10
1530	1500	1430	1400	1190	1250	20G11TE510JN0NNNNN		

(1) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

PowerFlex 755 Floor Mount Drives for Open Frame Designs (continued)

690V AC, Three-phase and 932V DC Input Drives[1]

Light Duty (-LD)		Normal Duty (-ND)		Heavy Duty (-HD)				
Output Amps		Output Amps		Output Amps				
Cont.	kW	Cont.	kW	Cont.	kW	Base Drive Cat. No.[2]	Quantity Required	Equivalent Frame Size
330	315	265	250	215	200	20G11TF265JN0NNNNN	1	8
370	355	330	315	265	250	20G11TF330JN0NNNNN		
410	400	370	355	308	300	20G11TF370JN0NNNNN		
460	450	415	400	370	355	20G11TF415JN0NNNNN		
500	500	460	450	375	375	20G11TF460JN0NNNNN		
530	530	500	500	413	400	20G11TF500JN0NNNNN		
650	630	590	560	460	450	20G11TF265JN0NNNNN	2	9
710	710	650	630	500	500	20G11TF330JN0NNNNN		
790	800	710	710	590	560	20G11TF370JN0NNNNN		
860	850	765	750	650	630	20G11TF415JN0NNNNN		
960	900	795	800	750	710	20G11TF460JN0NNNNN		
1020	1000	960	900	795	800	20G11TF500JN0NNNNN		
1150	1100	1040	1000	865	900	20G11TF370JN0NNNNN	3	10
1485	1500	1400	1400	1160	1120	20G11TF500JN0NNNNN		

(1) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to 131.

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

PowerFlex 755 Floor Mount Drives for Open Frame Designs (continued)

Kits listed here provide electrical connection, mounting and ventilation provisions along with the control pod and its corresponding cables for PowerFlex 755 Floor Mount Open Frame designs. Other accessories shown include the rollout cart and EMC cores. Refer to publication 750-IN020 for details.

PowerFlex 755 IP00 Option Kits

Description	Required?	Frame 8		Frame 9		Frame 10	
		Cat. No.	Qty.	Cat. No.	Qty.	Cat. No.	Qty.
Field Termination, Converter, AC Input[5]	Recommended	20-750-BUS2-F8	1	20-750-BUS2-F9	1	20-750-BUS2-F10	1
Field Termination, Inverter, AC Output[5]		20-750-BUS3-F8		20-750-BUS3-F9		20-750-BUS3-F10	
Field Termination, Inverter, DC Bus		20-750-BUS4-F8		20-750-BUS4-F9		20-750-BUS4-F10	
Field Termination, DC Input, Common Bus Precharge[1][2][5]		20-750-BUS5-F8		20-750-BUS5-F9		20-750-BUS5-F10	
Pod, Bucket Assembly	Required [4]	20-750-POD1-F8		20-750-POD1-F8		20-750-POD1-F8	
Pod, Cable, 24 Volt Supply[4]		20-750-PH1-F8	[3]	20-750-PH2-F9		20-750-PH3-F10	
Cable, Fiber Optic, 560 mm (22 in.)[4]		20-750-FCBL1-F8	1	—	—	—	—
Cable, Fiber Optic, 2.8 m (110 in.)[4]		—	—	20-750-FCBL1-F10	2	20-750-FCBL1-F10	3
Transceiver, Fiber Optic				SK-R1-FTR1-F8	1	SK-R1-FTR1-F8	2
POD, Remote Mounting Kit	Optional	20-750-RPD1-F8	1	20-750-RPD1-F8	2	20-750-RPD1-F8	3
Mounting Kit, Back Panel	Recommended	20-750-MNT2-F8		20-750-MNT2-F9	1	20-750-MNT2-F10	1
Mounting Kit, Floor		20-750-MNT3-F8		20-750-MNT3-F9		20-750-MNT3-F10	1
Duct, Top Outlet		20-750-DUCT2-F8		20-750-DUCT2-F8	2	20-750-DUCT2-F8	3
Duct, Bottom Inlet[6]		20-750-DUCT4-F8		20-750-DUCT4-F8		20-750-DUCT4-F8	
Roll-Out Cart		20-750-CART1-F8		20-750-CART1-F8	1	20-750-CART1-F8	1
Control Power Circuit Breaker[1]		1489-A2D130		1489-A2D130	2	1489-A2D130	3
Control Power Circuit Breaker Lock[1]		1489-AAL0A		1489-AAL0A		1489-AAL0A	
EMC Core, Converter Input, AC Input	Optional	20-750-EMCBUS1-F8		20-750-EMCBUS1-F8		20-750-EMCBUS1-F8	
EMC Core, Inverter Output		20-750-EMCCM1-F8		20-750-EMCCM1-F8		20-750-EMCCM1-F8	

(1) Common DC input drives only.

(2) EMC input cores are included with the 20-750-BUS5-Fx kits.

(3) 24 volt supply cable is included with each Frame 8 drive unit.

(4) 20-750-PH1-Fx and 20-750-FBCL1-Fx kits are used if the Control Pod is mounted in the drive. If the Control Pod is to be remote mounted (up to 23 m or 75 ft away), order a 20-750-RPD1-Fx kit instead.

(5) Input and Output Field Termination kits required to meet UL certification

(6) Only required when air inlet from bottom of cabinet is required

Power Options for PowerFlex 755 Floor Mount, AC Input Drives

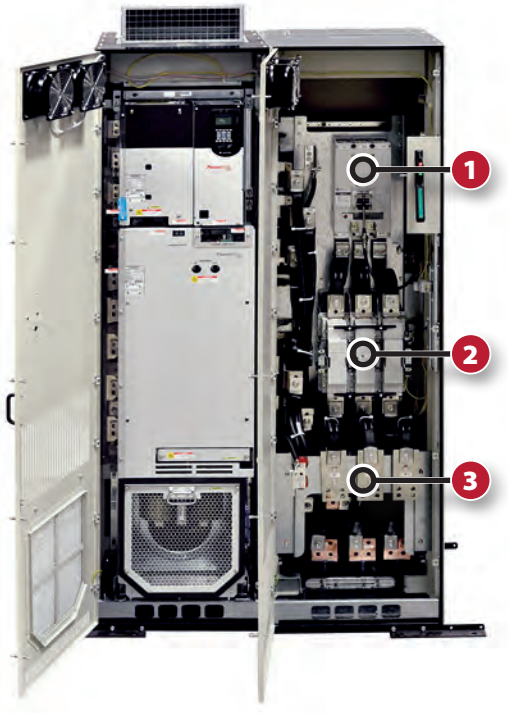
Pre-engineered, factory installed options are available with the PowerFlex 755 floor mount drives, which includes disconnects, reactors, contactors, MCC bus and wiring only bays.

To configure a catalog number for a floor-mount drive with options, perform the following steps:

1. Select the base drive catalog number from the tables on pages 108…111. Drive selection is based on the output amps and corresponding system overload(s) required by the application.
2. Select the duty rating. See the Required Options table on page 107 for duty rating details. For example: 21G1ALC460JN0NNNNN-**LD**.
3. Select the desired enclosure type as described on pages 108…111. For example: 21G1A**L**C460JN0NNNNN-LD.
4. Select Power Disconnect and/or Wire Only Bay option from the Required Options table on page 107. Add the desired option codes to the end of the base drive catalog number, separating each option code with a dash. For example: 21G1ALC460JN0NNNNN-LD-**P3**.
5. If options listed in the Additional Options table on page 107 are required, add the option code(s) to the end of the drive catalog number, separating each code with a dash. For example: 21G1ALC460JN0NNNNN-LD-P3-**P11**.

Note: A 600 mm wide cabinet bay is added to the right of the drive cabinet(s) to house the power options. The Wiring Only Bay option (-P14) also adds a 600 mm wide cabinet bay to the right of the drive cabinet(s).

Frame 8 with Power Option Bay



Input power landed on line-side of power disconnect.

Frame 9 with Power Option Bay

Input power landed behind circuit breaker, which is accessed by extracting rollout chassis.

1 Power Disconnect
Options -P3 or -P5
See Required Options on page 107.

2 Contactor
Options -P11 or -P12
See Additional Options on page 107.

3 Reactor
Options -L1, -L2, -L3, or -L4
See Additional Options on page 107.

Power Options for PowerFlex 755 Floor Mount, AC Input Drives (continued)

Required Options

Type	Option		Frame Size	Description
System Overload Duty Cycle[1][2]	LD	Light Duty	8...10	100% continuous current, 110% current for 1 minute.
	ND	Normal Duty		100% continuous current, 110% current for 1 minute, 150% for 3 seconds.
	HD	Heavy Duty		100% continuous current, 150% current for 1 minute, 180% for 3 seconds.
Power Disconnect[1]	P3	Input Thermal Magnetic Circuit Breaker	8...10[3]	This option is for disconnecting drive power. An Allen-Bradley 140G Molded Case Circuit Breaker is provided. Frame 8 drives include flange style handle operators that are door interlocking and padlockable. Frame 9 drive circuit breakers are pushbutton actuated with door interlocks and are padlockable.
	P5	Input Non-Fused Molded Case Disconnect Switch	8 Only	This option is for disconnecting drive power. An Allen-Bradley 140G Molded Case Switch is provided. All switches include flange style handle operators that are door interlocking and padlockable. **Note:** PowerFlex 755 Frame 8 converter modules input fuses installed as standard equipment do not provide branch protection.
Wiring Only Bay	P14	Wiring Only Bay	8...10	This option identifies that an extra bay is provided for wiring the drive. This option extends the drive power bus from the drive bay into the option bay, making field connection options more flexible. No drive input protection is supplied with this option selection. If desired, a power option bay with a disconnect option can be added to the wiring bay. Documentation to reflect input disconnection and protection is customer supplied. See page 130 for more information on power cable entry/exit locations.

(1) Only one option of this type can be selected.

(2) See following selection tables for specific rating information.

(3) Frame 10 ordered via Engineered-To-Order (ETO) process.

Additional Options

Type	Option		Applicable Frame Size	Description
Contactors[4][5]	P11	Input Contactor	8 Only	A contactor is provided between the AC line and the drive. The contactor is controlled by customer supplied 120V AC (480V input) or 230V AC (400V input) remote contact closure logic. A terminal block for control is provided for customer use, and is wired to 1 N.O. and 1 N.C. auxiliary contact on the contactor. **Important:** The P11 option 'Alternate Contact Circuit' is not intended to be used as a Start/Stop circuit.
	P12	Output Contactor		A contactor is provided between the drive output and the motor. The contactor is controlled by customer supplied 120V AC (480V input) or 230V AC (400V input) remote contact closure logic. A terminal block for control is provided for customer use and is wired to 1 N.O. and 1 N.C. auxiliary contact on the contactor. **Note:** As an alternative to an output contactor, certain safety applications can be satisfied using the PowerFlex 750-Series Safe Torque Off Option Card (Cat. No. 20-750-S). Safe Torque Off is ideal for safety related applications requiring removal of rotational power to the motor without removing power from the drive. Safe Torque Off functionality offers the benefit of quick start-up after a demand on the safety system and helps reduce wear from repetitive start-up. It also provides safety ratings up to and including SIL3, PLe, and CAT 3.
Reactors[4][6]	L1	3% Input Reactor	8...9	Provides an open core drive input line reactor that mounts inside the power bay option enclosure. Typical impedance is 3%.
	L2	3% Output Reactor		Provides an open core drive output load reactor, which mounts inside the power bay option enclosure. Typical impedance is 3%.
	L3	5% Input Reactor	8 Only	Provides an open core drive input line reactor that mounts inside the power bay option enclosure. Typical impedance is 5%.
	L4	5% Output Reactor		Provides an open core drive output load reactor, which mounts inside the power bay option enclosure. Typical impedance is 5%.
MCC Power Bus[4][7]	P20	1250 Amp Bus	8...10	Provides a 1250 Amp MCC Bus.
	P22	2000 Amp Bus		Provides a 2000 Amp MCC Bus.
	P24	3000 Amp Bus		Provides a 3000 Amp MCC Bus.
Auxiliary Power	X1	Auxiliary Transformer	8 Only	Auxiliary transformer providing 500VA. Available as an option on frame 8, IP20 units. This option is standard on all other cabinet configurations.

(4) Only one option of this type can be selected.

(5) Contactor options are not available for systems with MCC power bus.

(6) To accommodate a larger reactor, an 800 mm deep cabinet must be selected for the following Frame 8 drives; C750, C770, D710, D740 at light duty (LD), and C770 at normal-duty (ND).

(7) MCC bus is connected to the line side of the disconnect, as delivered from the factory.

Power Options for PowerFlex 755 Floor Mount, AC Input Drives (continued)

Enclosure Type Selections

Code	Description
B	600 mm deep, IP20/NEMA 1, standard color (RAL 7032)
L	800 mm deep, IP20/NEMA 1, standard color (RAL 7032)
P	800 mm deep, IP20/NEMA 1, with Motor Control Center (MCC) power bus option, standard color (RAL 7032)
W	800 mm deep, IP20/NEMA 1, with MCC power bus option, CENTERLINE 2100 gray (ASA49)
J	800 mm deep, IP54/NEMA 12, standard color (RAL 7032)
K	800 mm deep, IP54/NEMA 12, with MCC power bus option, standard color (RAL 7032)
Y	800 mm deep, IP54/NEMA 12, with MCC power bus option, CENTERLINE 2100 gray (ASA49)

380…400V AC, Three-phase Input Drives[1][2]

Light Duty (-LD)				Normal Duty (-ND)				Heavy Duty (-HD)					
Output Amps				Output Amps				Output Amps					
Cont.	1 min	3 s	kW	Cont.	1 min	3 s	kW	Cont.	1 min	3 s	kW	Base Drive Cat. No.[3][4][5]	Frame Size
540	594	—	315	460	506	693	250	385	578	693	200	21G1A*C460JN0NNNNN	8
585	644		315	540	594	821	315	456	684	821	250	21G1A*C540JN0NNNNN	
612	673		355	567	624	851	315	472	708	851	250	21G1A*C567JN0NNNNN	
750	825		400	650	715	975	355	540	810	975	315	21G1A*C650JN0NNNNN	
796	876		450	750	825	1125	400	585	878	1125	315	21G1A*C750JN0NNNNN	
832	915		450	770	847	1155	400	642	963	1155	355	21G1A*C770JN0NNNNN	
1040	1144		560	910	1001	1365	500	750	1125	1365	400	21G11*C910JN0NNNNN	9
1090	1199		630	1040	1144	1584	560	880	1320	1584	500	21G11*C1K0JN0NNNNN	
1175	1293		710	1090	1199	1638	630	910	1365	1638	500	21G11*C1K1JN0NNNNN	
1465	1612		800	1175	1293	1872	710	1040	1560	1872	560	21G11*C1K2JN0NNNNN	
1480	1628		850	1465	1612	2198	800	1090	1635	2198	630	21G11*C1K4JN0NNNNN	
1600	1760		900	1480	1628	2220	850	1175	1763	2220	710	21G11*C1K5JN0NNNNN	
1715	1887		1000	1590	1749	2385	900	1325	1988	2385	710	21G11*C1K6JN0NNNNN	10
2330	2563		1400	2150	2365	3225	1250	1800	2700	3225	1000	21G11*C2K1JN0NNNNN	

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) A Roll-out Cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

(3) The 5th character determines Input Type. "1" = AC input with precharge and DC terminals. "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 6th character (designated by an * in this table) determines enclosure type. For that selection, refer to the Enclosure Type Selections table on this page.

Power Options for PowerFlex 755 Floor Mount, AC Input Drives (continued)

Enclosure Type Selections

Code	Description
B	600 mm deep, IP20/NEMA 1, standard color (RAL 7032)
L	800 mm deep, IP20/NEMA 1, standard color (RAL 7032)
P	800 mm deep, IP20/NEMA 1, with Motor Control Center (MCC) power bus option, standard color (RAL 7032)
W	800 mm deep, IP20/NEMA 1, with MCC power bus option, CENTERLINE 2100 gray (ASA49)
J	800 mm deep, IP54/NEMA 12, standard color (RAL 7032)
K	800 mm deep, IP54/NEMA 12, with MCC power bus option, standard color (RAL 7032)
Y	800 mm deep, IP54/NEMA 12, with MCC power bus option, CENTERLINE 2100 gray (ASA49)

480V AC, Three-phase Input Drives[1][2]

Light Duty				Normal Duty				Heavy Duty					
Output Amps				Output Amps				Output Amps					
Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Base Drive Cat. No.[3][4][5]	Frame Size
485	534	—	400	430	473	666	350	370	555	666	300	21G1A*D430JN0NNNNN	8
545	600		450	485	534	745	400	414	621	745	350	21G1A*D485JN0NNNNN	
590	649		500	545	600	818	450	454	681	818	350	21G1A*D545JN0NNNNN	
710	781		600	617	679	926	500	485	728	926	400	21G1A*D617JN0NNNNN	
765	842		650	710	781	1065	600	545	818	1065	450	21G1A*D710JN0NNNNN	
800	880		700	740	817	1110	650	617	926	1110	500	21G1A*D740JN0NNNNN	
960	1056		800	800	880	1278	700	710	1065	1278	600	21G11*D800JN0NNNNN	9
1045	1150		900	960	1056	1440	800	795	1193	1440	700	21G11*D960JN0NNNNN	
1135	1249		1000	1045	1150	1568	900	800	1200	1568	750	21G11*D1K0JN0NNNNN	
1365	1502		1100	1135	1249	1728	1000	960	1440	1728	800	21G11*D1K2JN0NNNNN	
1420	1562		1250	1365	1502	2048	1100	1045	1568	2048	900	21G11*D1K3JN0NNNNN	
1540	1694		1350	1420	1562	2130	1250	1135	1703	2130	1000	21G11*D1K4JN0NNNNN	
1655	1821		1500	1525	1678	2288	1350	1270	1905	2288	1100	21G11*D1K5JN0NNNNN	10
2240	2464		2000	2070	2277	3105	1750	1730	2595	3105	1650	21G11*D2K0JN0NNNNN	

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) A Roll-out Cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

(3) The 5th character determines Input Type. "1" = AC input with precharge and DC terminals. "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 6th character (designated by an * in this table) determines enclosure type. For that selection, refer to the Enclosure Type Selections table on this page.

Power Options for PowerFlex 755 Floor Mount, AC Input Drives (continued)

Enclosure Type Selections

Code	Description
B	600 mm deep, IP20/NEMA 1, standard color (RAL 7032)
L	800 mm deep, IP20/NEMA 1, standard color (RAL 7032)
P	800 mm deep, IP20/NEMA 1, with Motor Control Center (MCC) power bus option, standard color (RAL 7032)
W	800 mm deep, IP20/NEMA 1, with MCC power bus option, CENTERLINE 2100 gray (ASA49)
J	800 mm deep, IP54/NEMA 12, standard color (RAL 7032)
K	800 mm deep, IP54/NEMA 12, with MCC power bus option, standard color (RAL 7032)
Y	800 mm deep, IP54/NEMA 12, with MCC power bus option, CENTERLINE 2100 gray (ASA49)

600V AC, Three-phase Input Drives[1][2]

Light Duty				Normal Duty				Heavy Duty					
Output Amps				Output Amps				Output Amps					
Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Cont.	1 min	3 s	Hp	Base Drive Cat. No.[3][4][5]	Frame Size
355	391	—	350	295	325	490	300	272	408	490	250	21G1A*E295JN0NNNNN	8
395	435		400	355	391	533	350	295	443	533	300	21G1A*E355JN0NNNNN	
435	479		450	395	435	593	400	329	494	593	350	21G1A*E395JN0NNNNN	
460	506		500	435	479	639	450	355	533	639	350	21G1A*E435JN0NNNNN	
510	561		500	460	506	711	500	395	593	711	400	21G1A*E460JN0NNNNN	
545	600		550	510	561	765	500	425	638	765	450	21G1A*E510JN0NNNNN	
690	759		700	595	655	918	600	510	765	918	500	21G11*E595JN0NNNNN	9
760	836		800	630	693	1071	700	595	893	1071	600	21G11*E630JN0NNNNN	
835	919		900	760	836	1140	800	630	945	1140	700	21G11*E760JN0NNNNN	
900	990		950	825	908	1260	900	700	1050	1260	750	21G11*E825JN0NNNNN	
980	1078		1000	900	990	1368	950	760	1140	1368	800	21G11*E900JN0NNNNN	
1045	1150		1100	980	1078	1470	1000	815	1223	1470	900	21G11*E980JN0NNNNN	
1220	1342		1200	1110	1221	1665	1100	920	1380	1665	1000	21G11*E1K1JN0NNNNN	10
1530	1683		1500	1430	1573	2145	1400	1190	1785	2145	1250	21G11*E1K4JN0NNNNN	

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) A Roll-out Cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

(3) The 5th character determines Input Type. "1" = AC input with precharge and DC terminals. "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 6th character (designated by an * in this table) determines enclosure type. For that selection, refer to the Enclosure Type Selections table on this page.

Power Options for PowerFlex 755 Floor Mount, AC Input Drives (continued)

Enclosure Type Selections

Code	Description
B	600 mm deep, IP20/NEMA 1, standard color (RAL 7032)
L	800 mm deep, IP20/NEMA 1, standard color (RAL 7032)
P	800 mm deep, IP20/NEMA 1, with Motor Control Center (MCC) power bus option, standard color (RAL 7032)
W	800 mm deep, IP20/NEMA 1, with MCC power bus option, CENTERLINE 2100 gray (ASA49)
J	800 mm deep, IP54/NEMA 12, standard color (RAL 7032)
K	800 mm deep, IP54/NEMA 12, with MCC power bus option, standard color (RAL 7032)
Y	800 mm deep, IP54/NEMA 12, with MCC power bus option, CENTERLINE 2100 gray (ASA49)

690V AC, Three-phase Input Drives[1][2]

Light Duty				Normal Duty				Heavy Duty					
Output Amps				Output Amps				Output Amps					
Cont.	1 min	3 s	kW	Cont.	1 min	3 s	kW	Cont.	1 min	3 s	kW	Base Drive Cat. No.[3][4][5]	Frame Size
330	363	—	315	265	292	375	250	215	323	375	200	21G1A*F265JN0NNNNN	8
370	407		355	330	363	473	315	265	398	473	250	21G1A*F330JN0NNNNN	
410	451		400	370	407	555	355	308	462	555	300	21G1A*F370JN0NNNNN	
460	506		450	415	457	639	400	370	555	639	355	21G1A*F415JN0NNNNN	
500	550		500	460	506	675	450	375	563	675	375	21G1A*F460JN0NNNNN	
530	583		530	500	550	750	500	413	620	750	400	21G1A*F500JN0NNNNN	
650	715		630	590	649	885	560	460	690	885	450	21G11*F590JN0NNNNN	9
710	781		710	650	715	975	630	500	750	975	500	21G11*F650JN0NNNNN	
790	869		800	710	781	1065	710	590	885	1065	560	21G11*F710JN0NNNNN	
860	946		850	765	842	1170	750	650	975	1170	630	21G11*F765JN0NNNNN	
960	1056		900	795	875	1350	800	750	1125	1350	710	21G11*F795JN0NNNNN	
1020	1122		1000	960	1056	1440	900	795	1193	1440	800	21G11*F960JN0NNNNN	
1150	1265		1100	1040	1144	1560	1000	865	1298	1560	900	21G11*F1K0JN0NNNNN	10
1485	1634		1500	1400	1540	2100	1400	1160	1740	2100	1120	21G11*F1K4JN0NNNNN	

(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

(2) A Roll-out Cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. Refer to page 131.

(3) The 5th character determines Input Type. "1" = AC input with precharge and DC terminals. "A" = AC input with precharge and no DC terminals. For DC input drives, see DRIVES-SG001, the PowerFlex Common Bus Configuration Selection Guide.

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

(5) The 6th character (designated by an * in this table) determines enclosure type. For that selection, refer to the Enclosure Type Selections table on this page.

Connect to a CENTERLINE Motor Control Center (MCC)

To select the splice kit best suited for your application, determine the following.

1. Are you connecting to a CENTERLINE® 2100 or CENTERLINE 2500 MCC?
2. While facing the front of the PowerFlex 755 drive, decide to which drive side that you want to connect.
3. Are you connecting PowerFlex 755 floor mount drives together, or are you connecting a PowerFlex 755 floor mount drive to a CENTERLINE MCC?

   If you are connecting PowerFlex 755 floor mount drives together or if you are connecting a PowerFlex 755 floor mount drive to a CENTERLINE 2500 MCC, then use PowerFlex 755 CENTERLINE 2500 Splice Kits. Otherwise, use PowerFlex 755 CENTERLINE 2100 Splice Kits.

NOTE: A splice kit contains three splice plates.

PowerFlex 755 CENTERLINE 2100 Splice Kits

A complete installation requires one transition section and one bus bar splicing kit. Splicing kits include all necessary hardware to complete connection of all three-phases.

Mounting Channel	Busbar Position[1]	Amp Rating	Left-side Kit Cat No.	Right-side Kit Cat No.	Frame Sizes
N/A	Transition section[2]	N/A	20-750-XSEC-LH-20G	20-750-XSEC-RH-20G	8…10
For use with MCCs that have 1.5 in. mounting channels	Standard	1200	20-750-XBUS-LHNB-1200	20-750-XBUS-RHNB-1200	8…10
		2000	20-750-XBUS-LHNB-2000	20-750-XBUS-RHNB-2000	
		3000	20-750-XBUS-LHNB-3000	20-750-XBUS-RHNB-3000	
	Bumped back	1200	20-750-XBUS-LHBB-1200	20-750-XBUS-RHBB-1200	
		2000	20-750-XBUS-LHBB-2000	20-750-XBUS-RHBB-2000	
		3000	20-750-XBUS-LHBB-3000	20-750-XBUS-RHBB-3000	
For use with MCCs that do not have mounting channels	Standard	1200	20-750-XBUS-LLNB-1200	20-750-XBUS-RLNB-1200	
		2000	20-750-XBUS-LLNB-2000	20-750-XBUS-RLNB-2000	
		3000	20-750-XBUS-LLNB-3000	20-750-XBUS-RLNB-3000	
	Bumped back	1200	20-750-XBUS-LLBB-1200	20-750-XBUS-RLBB-1200	
		2000	20-750-XBUS-LLBB-2000	20-750-XBUS-RLBB-2000	
		3000	20-750-XBUS-LLBB-3000	20-750-XBUS-RLBB-3000	

(1) All busbar positions are 20 in. deep.

(2) Hardware is included to install the optional 1.5 in. mounting channel.

PowerFlex 755 CENTERLINE 2500 Splice Kits

Splicing kits include all necessary hardware to complete connection of all three-phases.

Description	Cat No.	Frame Sizes
1200A Splice Kit to connect right side of drive to a CENTERLINE® 2500 cabinet	20-750-MBUSR1-1200	8…10
2000A Splice Kit to connect right side of drive to a CENTERLINE 2500 cabinet	20-750-MBUSR1-2000	
3000A Splice Kit to connect right side of drive to a CENTERLINE 2500 cabinet	20-750-MBUSR1-3200	
1200A Splice Kit to connect multiple Frame 8…10 drives or to connect left side of drive to a CENTERLINE 2500 cabinet	20-750-MBUSL1-1200	
2000A Splice Kit to connect multiple Frame 8…10 drives or to connect left side of drive to a CENTERLINE 2500 cabinet	20-750-MBUSL1-2000	
3000A Splice Kit to connect multiple Frame 8…10 drives or to connect left side of drive to a CENTERLINE 2500 cabinet	20-750-MBUSL1-3200	

PowerFlex 755 Empty Option Bay

This section is for applications with a PowerFlex 755 floor mount drive that need additional cabinet space. These added cabinets provide an elegant packaging option when expanding a PowerFlex 755, frame 8, 9, or 10 lineup. All Empty Option Bay cabinets match the standard color (RAL 7032) of the PowerFlex 755 Floor Mount Drive. Each Empty Option Bay includes a sub-panel. Reference publication For installation details, see publication 750-IN031.

The Right Mount Bus Bar kits listed below can only be installed to the right of a PowerFlex 755 Floor Mount Drive, when facing the front of the drive. If the application requires mounting the Empty Option Bay to the left of the PowerFlex 755 Floor Mount Drive, then the Rear Drive Bus Bar can be installed behind the drive unit(s). Power cabling is landed on the Rear Drive Bus Bars and passed through the cabinet side wall to the Empty Option Bay.

The Option Bay Hardware Kit listed below contains the door handle, an air barrier (for use between cabinets) and a door overlay label. One is required for each option bay.

PowerFlex 755 Empty Option Bay[1]

Description	Cat. No.	Frame Sizes
Option Bay, 600 mm wide by 600 mm deep, Beige[3]	20-750-PBAY-66	8…10
Option Bay, 800 mm wide by 600 mm deep, Beige[3]	20-750-PBAY-86	
Option Bay, 1200 mm wide by 600 mm deep, Beige[3]	20-750-PBAY-126	
Option Bay, 600 mm wide by 800 mm deep, Beige[4]	20-750-PBAY-68	
Option Bay, 800 mm wide by 800 mm deep, Beige[4]	20-750-PBAY-88	
Option Bay, 1200 mm wide by 800 mm deep, Beige[4]	20-750-PBAY-128	
Option Bay Hardware Kit (one kit is required for each cabinet selected)[5]	20-750-PBAY-HWD-1	
Option Bay Seal Kit, IP54	20-750-PBAY-IP54	
Empty Bay, RH Bus Bar, 975 A, continuous[2]	20-750-PBAY-RHBB-975	
Empty Bay, RH Bus Bar, 1235 A, continuous[2]	20-750-PBAY-RHBB-1235	
Empty Bay, RH Bus Bar, 1625 A, continuous[2]	20-750-PBAY-RHBB-1625	
Empty Bay, RH Bus Bar, 2437 A, continuous[2]	20-750-PBAY-RHBB-2437	
Right Mount Bus Bar, Cable Connection, 2-Hole	20-750-PBAY-LBRK-2	
Right Mount Bus Bar, Cable Connection, 4-Hole	20-750-PBAY-LBRK-4	
Right Mount Bus Bar, Installation Kit, 3-Phase Connection[2]	20-750-PBAY-INS-3	
Right Mount Bus Bar, Installation Kit, DC Connection[2]	20-750-PBAY-INS-2	
Rear Drive Bus Bar, Cable Connection[4]	20-750-PBAY-RBRK-2	

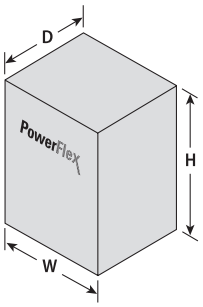
(1) Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.
(2) Installed to the right of any PowerFlex 755 floor mount drive except a Frame 8 with disconnect (-P3 or -P5 option).
(3) Only use with 600mm deep cabinet (drive enclosure code B).
(4) Only use with a 800 mm deep cabinet (drive enclosure code J, K, L, P, W or Y).
(5) Hardware kit includes door handle, door overlay label and Formex air barrier (installed between cabinets).

Approximate Dimensions and Weights (Frames 1…7)

Dimensions are in mm (in.) - weights are in kg (lb)

IP00/IP20, NEMA/UL Type Open

Frame	H	W	D	Weight
1	400.5 (15.77)	110 (4.33)	211 (8.31)	6 (12.75)
2	424.2 (16.7)	134.5 (5.3)	212 (8.35)	7.80 (17.2)
3	454 (17.87)	190 (7.48)		11.8 (26.1)
4	474 (18.66)	222 (8.74)		13.6 (30)
5	550 (21.65)	270 (10.63)		20.4 (45)
6	665.5 (26.2)	308 (12.13)	346.4 (13.64)	38.6 (85)
7	881.5 (34.7)	430 (16.93)	349.6 (13.76)	72.6…108.9 (160…240)



IP54, NEMA/UL Type 12

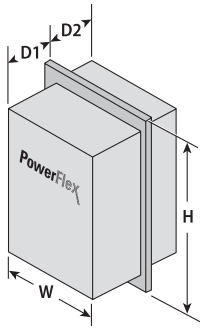
Frame	H	W	D	Weight(1)
2	543.2 (21.39)	215.3 (8.48)	222.2 (8.75)	8 (17)
3	551 (21.69)	268 (10.55)	220.1 (8.67)	12 (26)
4	571 (22.48)	300 (11.81)		14 (30)
5	647 (25.47)	348 (13.7)		20 (45)
6	1298.3 (51.11)	609.4 (24)	464.7 (18.3)	91 (200)
7	1614 (63.54)			162 (357)

(1) Weights are approximate. Refer to 750-TD001, the PowerFlex 750-Series Technical Data, for detailed weight information.

Flange Mount

Frame	H	W	D1	D2	Weight(1)
2	481.8 (18.97)	206.2 (8.12)	148.3 (5.84)	63.7 (2.51)	8 (17.0)
3	515 (20.28)	260 (10.24)	127.4 (5.02)	84.6 (3.33)	12 (26.0)
4	535 (21.06)	292 (11.50)			14 (30.0)
5	611 (24.06)	340 (13.39)			20.(45.0)
6	665.5 (26.20)	308 (12.13)	208.4 (8.20)	138.(5.43)	38 (84.0)
7	875 (34.45)	430.0 (16.93)			96 (212.0)

(1) Weights are approximate. Refer to 750-TD001, the PowerFlex 750-Series Technical Data, for detailed weight information.

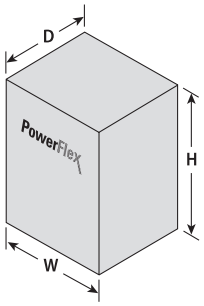


Approximate Dimensions and Weights (Frames 8…10)

Dimensions are in mm (in.) - weights are in kg (lb)

IP20, NEMA/UL Type 1, MCC Style Cabinet

Frame	H	W	D	Weight
8	2453 (96.6)	600 (23.6)	600 (23.6) or 800 (31.5)	623 (1374)
8 with drive and option cabinets		1200 (47.2)		1145 (2525)
9				1246 (2748)
9 with drive and option cabinets		1800 (70.9)	800 (31.5)	2290 (5051)
10			600 (23.6) or 800 (31.5)	1869 (4122)
10 with drive and option cabinets		2400 (94.5)	800 (31.5)	3435 (7576)



IP54, NEMA Type 12, MCC Style Cabinet

Frame	H	W	D	Weight[1]
8	2477 (97.5)	600 (23.6)	800 (31.5) 898 (35.4) with filter	644 (1419)
8 with drive and option cabinets		1200 (47.2)		1166 (2570)
9				1287 (2838)
9 with drive and option cabinets		1800 (70.9)		2332 (5141)
10				1931 (4257)
10 with drive and option cabinets		2400 (94.5)		3498 (7711)

(1) Weights are approximate. Refer to 750-TD001, the PowerFlex 750-Series Technical Data, for detailed weight information.

IP00, NEMA/UL Type Open[1]

Frame	H	W	D
8	2145 (84.45)	778 (30.63)	425 (16.73)
9		1578 (62.12)	
10		2378 (93.62)	

(1) Refer to 750-TD001, the PowerFlex 750-Series Technical Data, for detailed information.

Maximum Component Weights, Frames 8…10

Component	AC Input	Common DC Input
Converter/DC input with precharge	64 (140)	64 (140)
Inverter	222 (490)	165 (363)
Drive assembly (Open, IP00)	286 (630)	229 (504)

PowerFlex 755 Floor Mount Drives Power Wiring Options

The following table describes the cabling options available for each Frame 8…10 drive enclosure. Refer to the PowerFlex 750-Series Technical Data, publication 750-TD001 for conduit plate dimensions.

	0	X
Adequate Spacing Available conduit plates provide adequate spacing for typical cabling.	**Possible – Evaluation is Required** Available conduit plates must be evaluated to determine if cabling can fit.(1)	**Not Possible – Insufficient Spacing** Conduit plates are not available for the specified configuration.

Frame Size	Enclosure Rating	Enclosure Code	Cabinet Layout	Top Entry/ Top Exit	Top Entry/ Bottom Exit	Bottom Entry/ Top Exit	Bottom Entry/ Bottom Exit
8	IP20, NEMA/UL Type 1	B	600 mm Drive Cabinet	X		X	0
		L, P, W	800 mm Drive Cabinet	0		0	
		B	600 mm Drive with Power Option Bay			X	0
		L, P, W	800 mm Drive with Power Option Bay			0	
		B	600 mm Drive with Wiring Bay				
		L, P, W	800 mm Drive with Wiring Bay				
		B	600 mm Drive with Power Option and Wiring Bays				
		L, P, W	800 mm Drive with Power Option Bay and Wiring Bays				
	IP54, NEMA 12	J, K, Y	800 mm Drive Cabinet	X	X	X	
			800 mm Drive with Power Option Bay			0	0
			800 mm Drive with Wiring Bay				
			800 mm Drive with Power Option Bay and Wiring Bays				
9	IP20, NEMA/UL Type 1	B	600 mm Drive Cabinet	0		0	0
		L, P, W	800 mm Drive Cabinet				
		B	600 mm Drive with Power Option Bay			X	
		L, P, W	800 mm Drive with Power Option Bay			0	
		B	600 mm Drive with Wiring Bay				
		L, P, W	800 mm Drive with Wiring Bay				
		B	600 mm Drive with Power Option and Wiring Bays				
		L, P, W	800 mm Drive with Power Option Bay and Wiring Bays				
	IP54, NEMA 12	J, K, Y	800 mm Drive Cabinet	X	X	X	
			800 mm Drive with Power Option Bay	0		0	
			800 mm Drive with Wiring Bay				
			800 mm Drive with Power Option Bay and Wiring Bays				

(table continues on next page)

PowerFlex 7-class Options

Human Interface Modules

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/755TR
No HIM (Blank Plate), Handheld/Local (Drive Mount)	20-HIM-A0	✓	✓	✓
LCD Display, Full Numeric Keypad, Handheld/Local (Drive Mount)	20-HIM-A3	✓	—	—
LCD Display, Programmer Only, Handheld/Local (Drive Mount)	20-HIM-A5	✓		
Enhanced, LCD, Full Numeric Keypad, Handheld/Local (Drive Mount)	20-HIM-A6	✓	✓	✓
Remote (Panel Mount) LCD Display, Full Numeric Keypad[1][2]	20-HIM-C3S	✓	—	—
Remote (Panel Mount) LCD Display, Programmer Only[1][2]	20-HIM-C5S	✓		
Enhanced, LCD, Full Numeric Keypad[1][2]	20-HIM-C6S	✓	✓	✓

(1) IP66, NEMA Type 4X/12—only for indoor use.

(2) Includes a 1202-C30 interface cable (3 m/9.8 ft) for connection to drive.

Human Interface Module (HIM) Accessories

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/755TR
Bezel Kit for LCD HIMs, NEMA Type 1[1]	20-HIM-B1	✓	✓	✓
PowerFlex HIM Interface Cable, 1 m (3.3 ft)[2]	20-HIM-H10	✓	✓	✓
Comm Option Cable Kit (Male-Male)				
0.33 m (1.1 ft)	1202-C03	✓	✓	✓
1 m (3.3 ft)	1202-C10	✓	✓	✓
3 m (9.8 ft)	1202-C30	✓	✓	✓
9 m (29.5 ft)	1202-C90	✓	✓	✓
Cable Kit (Male-Female)[3]				
0.33 m (1.1 ft)	1202-H03	✓	✓	✓
1 m (3.3 ft)	1202-H10	✓	✓	✓
3 m (9.8 ft)	1202-H30	✓	✓	✓
9 m (29.5 ft)	1202-H90	✓	✓	✓
DPI™ Cable Kit with Connectors, Tools and 100 m (328 ft) Cable	1202-CBL-KIT-100M	✓	✓	✓
DPI Cable Connector Kit	1202-TB-KIT-SET	✓	✓	✓
DPI/SCANport™ One to Two Port Splitter Cable	1203-S03	✓	✓	✓

(1) Includes a 1202-C30 interface cable (3 m/9.8 ft) for connection to drive.

(2) Required only when HIM is used as handheld or remote.

(3) Required in addition to 20-HIM-H10 for distances up to a total maximum of 10 m (32.8 ft).

Communication Option Kits

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/755TR
BACnet/IP Option Module	20-750-BNETIP	—	✓	—
BACnet® MS/TP RS485 Communication Adapter	20-COMM-B	✓	—	
Coaxial ControlNet™ Option Module	20-750-CNETC	—	✓	✓
ControlNet™ Communication Adapter (Coax)	20-COMM-C	✓	✓(1)	—
DeviceNet™ Option Module	20-750-DNET	—	✓	✓
DeviceNet™ Communication Adapter	20-COMM-D	✓	✓(1)	—
Dual-port EtherNet/IP Option Module	20-750-ENETR	—	✓	✓
EtherNet/IP™ Communication Adapter	20-COMM-E	✓	✓(1)	—
Dual-port EtherNet/IP™ Communication Adapter	20-COMM-ER	✓	—	
HVAC Communication Adapter	20-COMM-H	✓	✓(1)	
CANopen® Communication Adapter	20-COMM-K	✓	✓(1)	
LonWorks® Communication Adapter	20-COMM-L	✓	✓(1)	
Modbus/TCP Communication Adapter	20-COMM-M	✓	✓(1)	
Profibus DPV1 Option Module	20-750-PBUS	—	✓	✓(3)
Single-port Profinet I/O Option Module	20-750-PNET		✓	✓(3)
Dual-port Profinet I/O Option Module	20-750-PNET2P		✓	✓(3)
PROFIBUS™ DP Communication Adapter	20-COMM-P	✓	✓(1)	✓(3)
ControlNet™ Communication Adapter (Fiber)	20-COMM-Q	✓	✓(1)	—
RS485 DF1 Communication Adapter	20-COMM-S	✓	✓(1)	
External Communications Kit Power Supply	20-XCOMM-AC-PS1	✓	✓	
DPI External Communications Kit	20-XCOMM-DC-BASE	✓	✓	
External DPI I/O Option Board(2)	20-XCOMM-IO-OPT1	✓	✓	
Compact I/O Module (3 Channel)	1769-SM1	✓	✓	

(1) Requires a Communication Carrier Card (20-750-20COMM or 20-750-20COMM-F1). Refer to the Communication Accessories table on page 128 for details.

(2) For use only with DPI External Communications Kits 20-XCOMM-DC-BASE.

(3) Contact Rockwell Automation sales office for availability.

PowerFlex 750-Series Drives Legacy Communication Compatibility

Most legacy communication adapters (20-COMM) can be used with the PowerFlex 753/755. However, the restrictions stated below do apply.

Frame 1 - It is recommended that the 20-750-20COMM-F1 Communication Carrier Card only be installed in Port 4. Port 5 is not accessible when this module is installed.

Frames 2 and larger - It is recommended that the 20-750-20COMM Communication Carrier Card be installed in Port 6. By using Port 4 or 5, the adjacent left port becomes inaccessible to other option modules and it can interfere with network cable connections.

Adapter		Accesses Ports 0…6 for I/O Connections (Implicit and Explicit Messaging)	Accesses Ports 7 and Higher (I/O, Explicit Messaging)	Supports Drive Add-on Profiles	Supports Asian-Languages[2]
Cat. No.	Type				
20-COMM-B	BACnet MS/TP	Not Compatible			
20-COMM-C	ControlNet (Coax)	✓ v3.001[2]	✓ v3.001[2]	✓[3]	✓ v3.001[2]
20-COMM-D	DeviceNet	✓[4]	Not Compatible		
20-COMM-E	EtherNet/IP	✓ v4.001[4]	✓ v4.001[2]	✓[3]	✓ v4.001 [2]
20-COMM-H	RS-485 HVAC	✓ v2.009[2][5]	Not Compatible		
20-COMM-K	CANopen	✓ v1.001[2]			
20-COMM-L	LonWorks	✓ v1.007[2]			
20-COMM-M	Modbus/TCP	✓ v2.001[2]	✓ v2.001[2]	Not Compatible	✓ v2.001[2]
20-COMM-P	ControlNet (Fiber)	✓ v1.006[2]	✓ v1.006[2]		Not Compatible
20-COMM-Q	PROFIBUS DP	✓ v3.001[2]	✓ v3.001[2]	✓[3]	✓ v3.001[2]
20-COMM-S	RS-485 DF1	✓[4]	Not Compatible		

(1) Chinese, Japanese, and Korean languages are supported at the time of publication.
(2) Requires this adapter firmware version or higher.
(3) Requires firmware version v1.05 or higher of the drive Add-on Profiles for Studio 5000 Logix Designer software.
(4) Controller must be capable of reading/writing 32-bit floating point (REAL) values.
(5) Supports all three modes of operation (RTU, P1, N2).

Communication Accessories

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/TR
Universal Serial Bus™ (USB) Converter includes 2m USB, 20-HIM-H10 and 22-HIM-H10 Cables	1203-USB	✓	✓	✓
ControlNet T-tap Straight	1786-TPS	—	✓	—
Communication Carrier Card for PowerFlex 750-Series Frame 1 drives	20-750-20COMM-F1		✓	
Communication Carrier Card for PowerFlex 750-Series Frame 2 or higher drives	20-750-20COMM		✓	

I/O Option Kits

Description	Cat. No.	Used with PowerFlex Drive	
		753/755	755TL/755TR
ATEX Option Module with 1 Thermosensor Input Connection (requires 11-Series I/O Module below)	20-750-ATEX	✓(1)	✓
24V DC 11-Series I/O Module with 1 Analog In, 1 Analog Out, 3 Digital In and 2 Relay Outputs	20-750-1132C-2R	✓(1)	✓
24V DC 11-Series I/O Module with 1 Analog In, 1 Analog Out, 3 Digital In, 1 Relay and 2 Transistor Outputs	20-750-1133C-1R2T	✓(1)	✓
115V AC 11-Series I/O Module with 1 Analog In, 1 Analog Out, 3 Digital In and 2 Relay Outputs	20-750-1132D-2R	✓(1)	✓
24V DC 22-Series I/O Module with 2 Analog In, 2 Analog Out, 6 Digital In and 2 Relay Outputs	20-750-2262C-2R	✓(1)	✓
115V AC 22-Series I/O Module with 2 Analog In, 2 Analog Out, 6 Digital In and 2 Relay Outputs	20-750-2262D-2R	✓(1)	✓
24V DC 22-Series I/O Module with 2 Analog In, 2 Analog Out, 6 Digital In, 3 Digital Out, 1 Relay and 2 Transistor Outputs	20-750-2263C-1R2T	✓(1)	✓

(1) For kits to be used with CIP Motion instructions, the card can only be used in slot 7 of the PowerFlex 755 drive. It also requires PowerFlex 755 firmware version 12 and higher, and Studio 5000 version 28 and higher.

Safety Options(1)

Description	Cat. No.	Used with PowerFlex Drive			
		70	753	755	755TL/755TR
DriveGuard Safe Torque Off	20A-DG01	✓	—	—	—
Hardwired Safe Torque Off	20-750-S	—	✓	✓	✓
Hardwired Safe Speed Monitor	20-750-S1		✓(2)	✓(2)	✓
Networked Safe Torque Off	20-750-S3		—	✓(3)(4)	✓(3)
Networked Integrated Safety Functions	20-750-S4		—	✓(5)(6)	✓(5)

(1) All PowerFlex 7-series drives can accommodate only one safety option.
(2) Requires the Dual Incremental Encoder or Universal Feedback Option. Also requires the 20-750-EMCSSM1-F8 EMC Option Kit with Frame 8…10 drives.
(3) Requires Studio 5000 version 30 and higher.
(4) Requires PowerFlex 755 firmware version 13 and higher. This option is not allowed while controlling a PowerFlex drive in CIP Motion mode.
(5) Requires Studio 5000 version 31 and higher.
(6) Requires PowerFlex 755 firmware version 14.002 and higher.

Feedback Options

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/755TR
5V/12V Encoder(1)	20A-ENC-1	✓	—	—
Incremental Encoder	20-750-ENC-1	—	✓(2)	✓
Dual Incremental Encoder	20-750-DENC-1		✓(2)	✓
Universal Feedback (includes Stegmann, Heidenhain, SSI, Biss, 5V Incremental)	20-750-UFB-1		✓(3)	✓

(1) Works only with PowerFlex 70 Enhanced Control. Drive is not CE EMC certified when the encoder interface option is installed.
(2) Homing and registration functions are not supported when using this device with Studio 5000 Logix Designer embedded motion instructions. To use these functions, the Universal Feedback Board (20-750-UFB-1) must be used.
(3) Only for PowerFlex 755 drives.

Other Options

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	755TL/755TR
115V AC Interface	AK-M9-115VAC-1	✓	—	—
Frame E Flange Gasket	AK-M9-GASKET1-E4	✓		
Service Connection Board(1)	SK-M9-SCB1	✓		

(1) Provides temporary DPI/HIM connection for NEMA/UL Type 1 and Flange drives with cover removed.

PowerFlex 750-Series Option Kits

Description		Frame Size	Cat. No.	Used with PowerFlex Drive	
				753	755
Auxiliary Power Supply	24V Aux Power Supply	1…7[1]	20-750-APS	✓	✓
DC Bus Bar Option Kit	DC Bus Bars for240…480V AC drives	6	20-750-DCBB1-F6	✓	✓
		7	20-750-DCBB1-F7	✓	✓
	DC Bus Bars for 600…690V AC drives	6	20-750-DCBB2-F6	✓	✓
		7	20-750-DCBB2-F7	✓	✓
		8	20-750-BUS1A-F8	✓	✓
EMC Option Kit	EMC Plate with Core for 380…480V AC drives	1	20-750-EMC1-F1	✓	✓
		2	20-750-EMC1-F2	✓	✓
		3	20-750-EMC1-F3	✓	✓
	EMC Plate with Core for 600V AC drives		20-750-EMC3-F3	✓	✓
	EMC Plate with Cores for 380…480V AC drives	4	20-750-EMC1-F4	✓	✓
		5	20-750-EMC1-F5	✓	✓
	EMC Plate with Cores for 600V AC drives	4	20-750-EMC3-F4	✓	✓
		5	20-750-EMC3-F5	✓	✓
	EMC Core for 380…480V AC drives	1	20-750-EMC2-F1	✓	✓
		2	20-750-EMC2-F2	✓	✓
		3	20-750-EMC2-F3	✓	✓
	EMC Core for 600V AC drives		20-750-EMC4-F3	✓	✓
	EMC Cores for 380…480V AC drives	4…5	20-750-EMC2-F45	✓	✓
	EMC Cores for 600V AC drives	4	20-750-EMC4-F4	✓	✓
		5	20-750-EMC4-F5	✓	✓
	EMC Plate with Cores for 600…690V AC drives	6	20-750-EMC3-F6	✓	✓
		7	20-750-EMC3-F7	✓	✓
	EMC Plate with Cores for 600…690V AC drives (IP54 Only)	6	20-750-EMC5-F6	✓	✓
		7	20-750-EMC5-F7	✓	✓
	EMC Core – Inverter-mounted output cores, for 380…690V AC input and DC input drives. One each for Frame 8, two each for Frame 9, and three each for Frame 10.	8…10	20-750-EMCCM1-F8	—	✓
	EMC Cores – Required when using the Safe Speed Monitor option 20-750-S1 with 380…690V drives.		20-750-EMCSSM1-F8		✓
	Door Shielding Kit	10	20-750-EMCDK1-F10		✓
Exhaust Hood	Exhaust Hood – IP20, NEMA/UL Type 1 drives.[2]	8…10	20-750-HOOD1-F8		✓

(1) Frame 8 and up drives can be powered from an external 24V DC source, a 20-750-APS is not required.

(2) Exhaust hood is standard on Frames 8…10, IP54-rated cabinets.

(table continues on next page)

PowerFlex 750-Series Option Kits (continued)

Description		Frame Size	Cat. No.	Used with PowerFlex Drive	
				753	755
Flange Adapter Kit	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 1 integrity backside. This kit is for use with IP20, NEMA/UL Type 0 drives and **does not provide** an air-tight or water-tight seal. Where sealing is required (for example, contaminated, dirty or wet environments), a drive with an "F" enclosure option must be used.	2	20-750-FLNG1-F2	✓	✓
		3	20-750-FLNG1-F3	✓	✓
		4	20-750-FLNG1-F4	✓	✓
		5	20-750-FLNG1-F5	✓	✓
	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 4X/12 integrity backside.	6	20-750-FLNG4-F6	✓	✓
		7	20-750-FLNG4-F7	✓	✓
L Bus Bar Kit	Includes three L bus bars[3]	8...10	20-750-LBRKT1	—	✓
NEMA/UL Type 1 Option Kit	NEMA/UL Type 1 Kit	1	20-750-NEMA1-F1	✓	✓
		2	20-750-NEMA1-F2	✓	✓
		3	20-750-NEMA1-F3	✓	✓
		4	20-750-NEMA1-F4	✓	✓
		5	20-750-NEMA1-F5	✓	✓
		6	20-750-NEMA1-F6	✓	✓
		7	20-750-NEMA1-F7	✓	✓
Power Terminal Extension	Allows connection of two parallel leads to the AC terminals.	6	20-750-ACTE1-F6	✓	✓
Power Terminal Guard	Provides additional protection against contact with the power terminals.		20-750-PTG1-F6	✓	✓
		7	20-750-PTG1-F7	✓	✓
Remote Control POD Mounting Kit	Hardware, fiber-optic, and power supply cables to remotely mount the control POD up to 23 m (75 ft) from the drive.	8...10	20-750-RPD1-F8	—	✓
Roll-out Cart	A wheeled roll-out cart that facilitates drive installation and removal. Recommended for PowerFlex 755 Frame 8...10 drives.		20-750-CART1-F8		✓

(1) Frame 8 and up drives can be powered from an external 24V DC source, a 20-750-APS is not required.

(2) Exhaust hood is standard on Frames 8...10, IP54-rated cabinets.

(3) Frame 8 drive is factory shipped with two L bus bars per phase as standard, Frame 9 drive is factory shipped with four L bus bars per phase as standard, and Frame 10 drive is factory shipped with six L bus bars per phase as standard.