Technical Data

Original Instructions

Allen-Bradley
by ROCKWELL AUTOMATION

PowerFlex 750-Series AC Drives

Bulletin Numbers 20G, 20J

Rockwell Automation

Summary of Changes

This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes. Translated versions are not always available for each revision.

Topic	Page
Added Bulletin 140MT Motor Protection Circuit Breakers to Drive Input Protection Devices	Throughout

Product Overview

The PowerFlex 750-Series is a robust family of AC drives that provide ease of use, flexibility, and performance for various industrial applications. PowerFlex 753 drives provide general-purpose control for applications up to 400 Hp and 270 kW. PowerFlex 755 drives provide maximum flexibility and performance up to 2000 Hp and 1500 kW.

Maximize your productivity by taking advantage of these key features that are offered in the PowerFlex 750-Series drives:

- **DeviceLogix**™ – Embedded control technology that supports the manipulation of discrete outputs and drive control functions, while using discrete inputs and drive status information onboard the drive.
- **Predictive Diagnostics** – Tracks information that affects the life of the drive cooling fans and relay outputs. The drive can also be programmed to monitor the runtime hours for machine or motor bearings.
- **Option Cards** – Each drive has a slot-based architecture. Supported hardware control options are available for both products, to help reduce your inventory and spare parts requirements.
- **Safe Torque Off**, **Safe Speed Monitor**, **Integrated Safety - Safe Torque Off**, and **Integrated Safety Functions Option** – Provides a choice for safety levels depending on your application requirements.
- **Communication** – The PowerFlex 755 drives come with a built-in Ethernet port. Ethernet can easily be added to the PowerFlex 753 drives with a communication module.
- **I/O** – Option cards are available for additional analog and digital I/O. The PowerFlex 753 drives come with built-in I/O that can also be expanded with option cards.
- **Packaging** – Factory and field-installable enclosure options are available to meet most environmental requirements. Options include Open Type and flange mount to support cabinet mount requirements, extra protection wall-mount for harsh environments, and debris hoods and conduit plate kits.
- **Standard Power Structure** – A common power structure is shared to provide the same physical size and power range.

PowerFlex 750-Series Drive Family

This section provides a brief introduction to the different PowerFlex 750-Series drives.

Wall Mount Frames 1…7

IP00/IP20, NEMA/UL Type Open Drive

Includes a DC link choke on all Frames and internal brake transistor, standard on Frames 1…5, and optional on Frames 6 and 7.

Floor Mount Frames 8…10

IP20, NEMA/UL Type 1 Drive (2500 MCC style cabinet)

Includes a DC link choke, integrated AC line fuses, and roll-out design.

Hood that is shown on top of cabinets is optional. To order the hood, see page 226 for information.

Floor Mount Frames 8…10

IP20, NEMA/UL Type 1 Drive with Options (2500 MCC style cabinet)

Includes a DC link choke, integrated AC line fuses, roll-out design, and option bay for control/protection devices.

Roll-out Design

(Frame 8 shown)

A roll-out cart is required for Frames 8…10 drives and Frame 9…10 option bay chassis. The roll-out 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 227 for information to order the roll-out cart.

Catalog Number Explanation

1…3	4	5	6	7	8…10	11	12	13	14	15	16	17	18	
20G	1	A	N	D	248	A	A	0	N	N	N	N	N	LD - P3 - P11…
a	*b*	*c*	*d*	*e*	*f1…f6*	*g*	*h*	*i*	*Positions 14…18 are not used.*					

a

Drive		
Code	Type	Frames
20F	PowerFlex® 753	1…7
20G	PowerFlex 755	1…10
21G	PowerFlex 755 Drive with Options	8…10

b

Future Use

c

Input Type		
Code	Description	Frames
1	AC Input with Precharge, includes DC Terminals	1…5 8…10
4	DC Input with Precharge	5…10
A	AC Input with Precharge, no DC Terminals	6…8 (1)

(1) The DC Bus Bar kit (20-750-DCBB1-Fx) is available for Frames 6…7 AC input drives that require DC bus terminals.

d

Enclosure		
Code	Description	Frames
R	IP20, NEMA/UL Type Open, Frame 1	1
F (1)	Flange (NEMA/UL Type 4X/12 back)	2…5
G	IP54, NEMA/UL Type 12	2…7
N (2)	IP20/IP00, NEMA/UL Type Open	2…7
B (3)	IP20, NEMA/UL Type 1, 600 mm (23.6 in.) Deep, Standard Cabinet Color (RAL 7032)	8…10
J (3)	IP54, UL Type 12, 800 mm (31.5 in.) Deep, Standard Cabinet Color (RAL 7032)	8…10
K (3)	IP54, NEMA 12, 2500 MCC Style Cabinet and Options w/MCC Power Bus, 800 mm (31.5 in.) Deep, Standard Cabinet Color (RAL 7032)	8…10
L (3)	IP20, NEMA/UL Type 1, 800 mm (31.5 in.) Deep, Standard Cabinet Color (RAL 7032)	8…10
P (3)	IP20, NEMA/UL Type 1, 2500 MCC Style Cabinet and Options w/MCC Power Bus, 800 mm (31.5 in.) Deep, Standard Cabinet Color (RAL 7032)	8…10
W (3)	IP20, NEMA/UL Type 1, 2100 MCC Style Cabinet and Options w/MCC Power Bus, 800 mm (31.5 in.) Deep, CenterLine 2100 Gray (ASA49)	8…10
Y (3)	IP54, NEMA 12, 2100 MCC Style Cabinet and Options w/MCC Power Bus, 800 mm (31.5 in.) Deep, CenterLine 2100 Gray (ASA49)	8…10
T	IP00, UL Open Type without Control POD	8…10

(1) For Frames 6…7, a user installed flange kit (20-750-FLNG4-Fx) is available to convert a Code N drive that provides a NEMA/UL Type 4X/12 back.
(2) Frames 2…5 are IP20, Frames 6…7 are IP00.
(3) Available as a drive with options (21G).

e

Voltage Rating	
Code	Voltage
B	240V AC (208V AC) (1)/ 325V DC (281V DC) (1)
C	400V AC/540V DC
D	480V AC/650V DC
E	600V AC/810V DC
F	690V AC/932V DC (not UL Listed)

(1) Drive must be programmed to obtain low (208V AC) voltage rating.

f1

ND Rating								
208V (1), 60 Hz Input								
Code	Amps	kW	Frame					
			Enclosure Code					
			B, J, L, T	F	G	N	K, P, W, Y	R
2P2	2.5	0.37	–	2	2	2	–	1
4P2	4.8	0.75						
6P8	7.8	1.5						
9P6	11	2.2						
015	17.5	4						–
022	22	5.5						
028	32.2	7.5		3	3	3		
042	43	11						
054	60	15		4	4	4		
070	78.2	18.2		5	5	5		
080	92	22						
104	120	30		(2)	6	6		
130	150	37						
154	177	45						
192	221	55						
260	260	66			7			
312	359	90		(2)		7		
360	414	110						
477	477	132			–			

(1) Drive must be programmed to obtain low (208VAC) voltage rating.
(2) For Frames 6 and 7, a user-installed flange kit (20-750-FLNG4-Fx) is available to convert a Code N drive that provides a NEMA/UL Type 4X/12 back.

f2

ND Rating								
240V, 60 Hz Input								
Code	Amps	Hp	Frame					
			Enclosure Code					
			B, J, L, T	F	G	N	K, P, W, Y	R
2P2	2.2	0.5	–	2	2	2	–	1
4P2	4.2	1						
6P8	6.8	2						
9P6	9.6	3						
015	15.3	5						
022	22	7.5						–
028	28	10		3	3	3		
042	42	15						
054	54	20		4	4	4		
070	70	25		5	5	5		
080	80	30			6			
104	104	40		(1)		6		
130	130	50						
154	154	60						
192	192	75						
260	260	100			7			
312	312	125		(1)		7		
360	360	150						
477	477	200		–				

(1) For Frames 6 and 7, a user-installed flange kit (20-750-FLNG4-Fx) is available to convert a Code N drive that provides a NEMA/UL Type 4X/12 back.

1…3	4	5	6	7	8…10	11	12	13	14	15	16	17	18	
20G	1	A	N	D	248	A	A	0	N	N	N	N	N	LD - P3 - P11…
a	*b*	*c*	*d*	*e*	*f1…f6*	*g*	*h*	*i*	*Positions 14…18 are not used.*					

f3

ND Rating									
400V, 50 Hz Input									
Code	Amps	kW	Frame						
			Enclosure Code						
			B, J, L, T	F	G	N	K, P, W, Y	R	
2P1	2.1	0.75	–	2	2	2	–	1	–
3P5	3.5	1.5							
5P0	5.0	2.2							
8P7	8.7	4							
011	11.5	5.5							
015	15.4	7.5							
022	22	11		3	3	3			
030	30	15							
037	37	18.5							
043	43	22							
060	60	30		4	4	4			
072	72	37			5				
085	85	45		5		5			
104	104	55			6				
140	140	75		(1)		6			
170	170	90							
205	205	110							
260	260	132			7				
302	302	160				7			
367	367	200							
456	456	250							
460	460	250	8	–	–	–	8(2)		
477	477	270	–	(1)	–	7	–		
540	540	315	8	–	–	–	8(2)		
567	567	315							
650	650	355							
750	750	400							
770	770	400							
910	910	500	9				9(2)		
1K0	1040	560							
1K1	1090	630							
1K2	1175	710							
1K4	1465	800							
1K5	1480	850							
1K6	1590	900	10				10(2)		
2K1	2150	1250							

(1) For Frames 6…7, a user installed flange kit (20-750-FLNG4-Fx) is available to convert a Code N drive that provides a NEMA/UL Type 4X/12 back.
(2) Available as a drive with options (21G).

f4

ND Rating									
480V, 60 Hz Input									
Code	Amps	Hp	Frame						
			Enclosure Code						
			B, J, L, T	F	G	N	K, P, W, Y	R	
2P1	2.1	1	–	2	2	2	–	1	–
3P4	3.4	2							
5P0	5.0	3							
8P0	8.0	5							
011	11	7.5		3	3	3			
014	14	10							
022	22	15							
027	27	20		4	4	4			
034	34	25			5				
040	40	30		5		5			
052	52	40			6				
065	65	50		(1)		6			
077	77	60							
096	96	75			7				
125	125	100				7			
156	156	125							
186	186	150							
248	248	200							
302	302	250							
361	361	300							
415	415	350							
430	430	350	8	–	–	–	8(2)		
477	477	400	–	(1)	–	7	–		
485	485	400	8	–	–	–	8(2)		
545	545	450							
617	617	500							
710	710	600							
740	740	650							
800	800	700	9				9(2)		
960	960	800							
1K0	1045	900							
1K2	1135	1000							
1K3	1365	1100							
1K4	1420	1250							
1K5	1525	1350	10				10(2)		
2K0	2070	1750							

(1) For Frames 6…7, a user installed flange kit (20-750-FLNG4-Fx) is available to convert a Code N drive that provides a NEMA/UL Type 4X/12 back.
(2) Available as a drive with options (21G).

f5

ND Rating								
600V, 60 Hz Input								
Code	Amps	Hp	Frame					
			Enclosure Code					
			B, J, L, T	F	G	N	K, P, W, Y	R
1P7	1.7	1	–	3	3	3	–	–
2P7	2.7	2						
3P9	3.9	3						
6P1	6.1	5						
9P0	9	7.5						
011	11	10						
012(1)	12	10		–	6	6		
017	17	15		3	3	3		
018(1)	18	15		–	6	6		
022	22	20		3	3	3		
023(1)	23	20		–	6	6		
024(1)	24	20						
027	27	25		4	4	4		
028(1)	28	25		–	6	6		
032	32	30		4	4	4		
033(1)	33	30		–	6	6		
041	41	40		5	5	5		
042(1)	42	40		–	6	6		
052	52	50		5	–	5		
053(1)	53	50		(2)	6	6		
063	63	60						
077	77	75						
099	99	100						
125	125	125						
144	144	150			7	7		
192	192	200						
242	242	250						
289	289	300						
295	295	300	8	–	–	–	8(3)	
355	355	350						
395	395	400						
435	435	450						
460	460	500						
510	510	500						
595	595	600	9				9(3)	
630	630	700						
760	760	800						
825	825	900						
900	900	950						
980	980	1000						
1K1	1110	1100	10				10(3)	
1K4	1430	1400						

(1) Required for uncontrolled common DC bus applications. Optional for all AC applications.
(2) For Frames 6…7, a user installed flange kit (20-750-FLNG4-Fx) is available to convert a Code N drive that provides a NEMA/UL Type 4X/12 back.
(3) Available as a drive with options (21G).

1…3	4	5	6	7	8…10	11	12	13	14	15	16	17	18	
20G	1	A	N	D	248	A	A	0	N	N	N	N	N	LD - P3 - P11…
a	*b*	*c*	*d*	*e*	*f1…f6*	*g*	*h*	*i*	***Positions 14…18 are not used.***					

f6

ND Rating								
690V, 50 Hz Input (not UL Listed)								
Code	Amps	kW	Frame					
			Enclosure Code					
			B, J, L, T	F	G	N	K, P, W, Y	R
012	12	7.5	–	(1)	6	6	–	–
015	15	11						
020	20	15						
023	23	18.5						
030	30	22						
034	34	30						
046	46	37						
050	50	45						
061	61	55						
082	82	75						
098	98	90						
119	119	110						
142	142	132						
171	171	160			7	7		
212	212	200						
263	263	250						
265	265	250	8		–	–	8(2)	
330	330	315						
370	370	355						
415	415	400						
460	460	450						
500	500	500						
590	590	560	9	–			9(2)	
650	650	630						
710	710	710						
765	765	750						
795	795	800						
960	960	900						
1K0	1040	1000	10				10(2)	
1K4	1400	1400						

(1) For Frames 6…7, a user installed flange kit (20-750-FLNG4-F*x*) is available to convert a Code N drive that provides a NEMA/UL Type 4X/12 back.
(2) Available as a drive with options (21G).

g

Filtering and CM Cap Configuration		
Code	Filtering	Default CM Cap Connection
A	Yes	Jumper Removed
J	Yes	Jumper Installed

h

Dynamic Braking(1)		
Code	Internal Resistor(2)	Internal Transistor(3)
A	No	Yes
N	No	No

(1) Not available on Frames 8…10, specify Code 'N'.
(2) Frames 1…2 only. Internal Resistor kits (20-750-DB1-Dx) sold separately.
(3) Standard on Frames 1…5, optional on 6…7.

i

Door Mounted HIM (Frames 8…10)	
Code	Operator Interface
0	No Door Mounted HIM
2	Enhanced LCD, Full Numeric, IP20
4	Enhanced LCD, Full Numeric, IP66 NEMA Type 4X/12

PowerFlex 755 w/Options (21G) Required Selections

Code	Option	Frames	Type
LD	Light Duty	8…10	System Overload Duty Cycle(1)
ND	Normal Duty		
HD	Heavy Duty		
P3	Input Thermal- magnetic Circuit Breaker	8…10	Power Disconnect(1)
P5	Input Non-Fused Molded Case Disconnect Switch	8 Only	
P14	Wiring Only Bay	8…10	Wiring Only Bay

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

PowerFlex 755 w/Options (21G) Additional Selections

Code	Option	Frames	Type
P11	Input Contactor	8 Only	Contactors(1)(2)
P12	Output Contactor		
L1	3% Input Reactor	8…9	Reactors(1)
L2	3% Output Reactor		
L3	5% Input Reactor	8 Only	
L4	5% Output Reactor		
P20	1200 A Bus	8…10	MCC Power Bus Capacity(1)
P22	2000 A Bus		
P24	3000 A Bus		
P30	UPS Control Bus, DC Input w/Precharge only	8…10	UPS Control Bus
X1	Auxiliary Transformer (500VA available), IP20 Cabinet Only	8 Only(3)	Auxiliary Power

(1) Only one option of this type can be selected.
(2) Contactor options are not available for systems with MCC power bus.
(3) Standard on all other cabinet configurations.

Product Selection—PowerFlex 753

200…240V AC, Three-phase Drives

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

Normal Duty					Heavy Duty					Cat. No. [3] [4]	Frame Size
Output Amps: 240V (208V) [2]			HP	kW	Output Amps: 240V (208V) [2]			HP	kW		
Cont.	60 s	3 s			Cont.	60 s	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	20F11RB2P2JA0NNNNN	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	20F11RB4P2JA0NNNNN	
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	20F11RB6P8JA0NNNNN	
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	20F11RB9P6JA0NNNNN	
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	20F11RB015JA0NNNNN	
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	20F11NB2P2JA0NNNNN	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	20F11NB4P2JA0NNNNN	
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	20F11NB6P8JA0NNNNN	
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	20F11NB9P6JA0NNNNN	
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	20F11NB015JA0NNNNN	
22 (22)	24.2 (24.2)	33 (33)	7.5	5.5	15.3 (17.5)	24.2 (24.2)	33 (33)	5	4	20F11NB022JA0NNNNN	
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	20F11NB028JA0NNNNN	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	20F11NB042JA0NNNNN	
54 (60)	59.4 (66)	81 (90)	20	15	42 (43)	63 (64.5)	81 (90)	15	11	20F11NB054JA0NNNNN	4
70 (78.2)	77 (86)	105 (117)	25	18.5	54 (60)	81 (90)	105 (117)	20	15	20F11NB070JA0NNNNN	5
80 (92)	88 (101)	120 (138)	30	22	70 (78.2)	105 (117)	126 (140)	25	18.5	20F11NB080JA0NNNNN	
104 (120)	114 (132)	156 (180)	40	30	80 (92)	120 (138)	156 (180)	30	22	20F1ANB104JN0NNNNN [5]	6
130 (150)	143 (165)	195 (225)	50	37	104 (120)	156 (180)	195 (225)	40	30	20F1ANB130JN0NNNNN [5]	
154 (177)	169 (194)	231 (265)	60	45	130 (150)	195 (225)	234 (270)	50	37	20F1ANB154JN0NNNNN [5]	
192 (221)	211 (243)	288 (331)	75	55	154 (177)	231 (265)	288 (331)	60	45	20F1ANB192JN0NNNNN [5]	
260 (260)	286 (286)	390 (390)	100	66	192 (221)	288 (331)	390 (390)	75	55	20F1ANB260JN0NNNNN [5]	
312 (359)	343 (394)	468 (538)	125	90	260 (260)	390 (394)	468 (538)	100	66	20F1ANB312JN0NNNNN [5]	7
360 (414)	396 (455)	540 (621)	150	110	312 (359)	468 (538)	561 (646)	125	90	20F1ANB360JN0NNNNN [5]	
477 (477)	524 (524)	715 (715)	200	132	312 (359)	468 (538)	561 (646)	125	90	20F1ANB477JN0NNNNN [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.
(2) Drive 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.

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

IP54, NEMA/UL Type 12

Normal Duty					Heavy Duty					Cat. No. (2) (3)	Frame Size
Output Amps: 240V (208V) (1)			HP	kW	Output Amps: 240V (208V) (1)			HP	kW		
Cont.	60 s	3 s			Cont.	60 s	3 s				
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	20F11GB2P2JA0NNNNN	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	20F11GB4P2JA0NNNNN	
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	20F11GB6P8JA0NNNNN	
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	20F11GB9P6JA0NNNNN	
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	20F11GB015JA0NNNNN	
22 (22)	24.2 (24.2)	33 (33)	7.5	5.5	15.3 (17.5)	24.2 (24.2)	33 (33)	5	4	20F11GB022JA0NNNNN	
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	20F11GB028JA0NNNNN	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	20F11GB042JA0NNNNN	
54 (60)	59.4 (66)	81 (90)	20	15	42 (43)	63 (64.5)	81 (90)	15	11	20F11GB054JA0NNNNN	4
70 (78.2)	77 (86)	105 (117)	25	18.5	54 (60)	81 (90)	105 (117)	20	15	20F11GB070JA0NNNNN	5
80 (92)	88 (101)	120 (138)	30	22	70 (78.2)	105 (117)	126 (140)	25	18.5	20F1AGB080JN0NNNNN (4)	6
104 (120)	114 (132)	156 (180)	40	30	80 (92)	120 (138)	156 (180)	30	22	20F1AGB104JN0NNNNN (4)	
130 (150)	143 (165)	195 (225)	50	37	104 (120)	156 (180)	195 (225)	40	30	20F1AGB130JN0NNNNN (4)	
154 (177)	169 (194)	231 (265)	60	45	130 (150)	195 (225)	234 (270)	50	37	20F1AGB154JN0NNNNN (4)	
192 (221)	211 (243)	288 (331)	75	55	154 (177)	231 (265)	288 (331)	60	45	20F1AGB192JN0NNNNN (4)	
260 (260)	286 (286)	390 (390)	100	66	192 (221)	288 (331)	390 (390)	75	55	20F1AGB260JN0NNNNN (4)	7
312 (359)	343 (394)	468 (538)	125	90	260 (260)	390 (394)	468 (538)	100	66	20F1AGB312JN0NNNNN (4)	
360 (414)	396 (455)	540 (621)	150	110	312 (359)	468 (538)	561 (646)	125	90	20F1AGB360JN0NNNNN (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)

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 8 for 200...240V, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty					Heavy Duty					Cat. No. (2) (3)	Frame Size
Output Amps: 240V (208V) (1)			HP	kW	Output Amps: 240V (208V) (1)			HP	kW		
Cont.	60 s	3 s			Cont.	60 s	3 s				
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	20F11FB2P2JA0NNNNN	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	20F11FB4P2JA0NNNNN	
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	20F11FB6P8JA0NNNNN	
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	20F11FB9P6JA0NNNNN	
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	20F11FB015JA0NNNNN	
22 (22)	24.2 (24.2)	33 (33)	7.5	5.5	15.3 (17.5)	24.2 (24.2)	33 (33)	5	4	20F11FB022JA0NNNNN	
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	20F11FB028JA0NNNNN	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	20F11FB042JA0NNNNN	
54 (60)	59.4 (66)	81 (90)	20	15	42 (43)	63 (64.5)	81 (90)	15	11	20F11FB054JA0NNNNN	4
70 (78.2)	77 (86)	105 (117)	25	18.5	54 (60)	81 (90)	105 (117)	20	15	20F11FB070JA0NNNNN	5
80 (92)	88 (101)	120 (138)	30	22	70 (78.2)	105 (117)	126 (140)	25	18.5	20F11FB080JA0NNNNN	

(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)

Normal Duty				Heavy Duty				Cat. No. (2) (3)	Frame Size
Output Amps			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	2.3	3.2	0.75	1.3	2.3	3.2	0.37	20F11RC2P1JA0NNNNN	1
3.5	3.9	5.3	1.5	2.1	3.9	5.3	0.75	20F11RC3P5JA0NNNNN	
5	5.5	7.5	2.2	3.5	5.5	7.5	1.5	20F11RC5P0JA0NNNNN	
8.7	9.6	13.1	4	5	9.6	13.1	2.2	20F11RC8P7JA0NNNNN	
11.5	13.1	17.3	5.5	8.7	13.1	17.3	4	20F11RC011JA0NNNNN	
15.4	16.9	23.1	7.5	11.5	17.2	23.1	5.5	20F11RC015JA0NNNNN	
2.1	3.1	3.7	0.75	2.1	3.1	3.7	0.75	20F11NC2P1JA0NNNNN	2
3.5	5.2	6.3	1.5	3.5	5.2	6.3	1.5	20F11NC3P5JA0NNNNN	
5	7.5	9	2.2	5	7.5	9	2.2	20F11NC5P0JA0NNNNN	
8.7	13	15.6	4	8.7	13.0	15.6	4	20F11NC8P7JA0NNNNN	
11.5	17.2	20.7	5.5	11.5	17.2	20.7	5.5	20F11NC011JA0NNNNN	
15.4	16.9	23.1	7.5	11.5	17.2	20.7	5.5	20F11NC015JA0NNNNN	
22	24.2	33	11	15.4	24.2	33	7.5	20F11NC022JA0NNNNN	
30	33	45	15	22	33	45	11	20F11NC030JA0NNNNN	3
37	40.7	55.5	18.5	30	45	55.5	15	20F11NC037JA0NNNNN	
43	47.3	64.5	22	37	55.5	66.6	18.5	20F11NC043JA0NNNNN	
60	66	90	30	43	66	90	22	20F11NC060JA0NNNNN	4
72	79.2	108	37	60	90	108	30	20F11NC072JA0NNNNN	
85	93.5	128	45	72	108	130	37	20F11NC085JA0NNNNN	5
104	114	156	55	85	128	156	45	20F11NC104JA0NNNNN	
140	154	210	75	104	156	210	55	20F1ANC140JN0NNNNN (4)	6
170	187	255	90	140	210	255	75	20F1ANC170JN0NNNNN (4)	
205	226	308	110	170	255	308	90	20F1ANC205JN0NNNNN (4)	
260	286	390	132	205	308	390	110	20F1ANC260JN0NNNNN (4)	
302	332	453	160	260	390	468	132	20F1ANC302JN0NNNNN (4)	7
367	404	551	200	302	453	551	160	20F1ANC367JN0NNNNN (4)	
456	502	684	250	367	551	684	200	20F1ANC456JN0NNNNN (4)	
477	525	716	270	367	551	684	200	20F1ANC477JN0NNNNN (4)	

(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.
(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.

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

IP54, NEMA/UL Type 12

Normal Duty				Heavy Duty				Cat. No. (1) (2)	Frame Size
Output Amps			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	3.1	3.7	0.75	2.1	3.1	3.7	0.75	20F11GC2P1JA0NNNNN	2
3.5	5.2	6.3	1.5	3.5	5.2	6.3	1.5	20F11GC3P5JA0NNNNN	
5	7.5	9	2.2	5	7.5	9	2.2	20F11GC5P0JA0NNNNN	
8.7	13	15.6	4	8.7	13	15.6	4	20F11GC8P7JA0NNNNN	
11.5	17.2	20.7	5.5	11.5	17.2	20.7	5.5	20F11GC011JA0NNNNN	
15.4	16.9	23.1	7.5	11.5	17.2	20.7	5.5	20F11GC015JA0NNNNN	
22	24.2	33	11	15.4	24.2	33	7.5	20F11GC022JA0NNNNN	
30	33	45	15	22	33	45	11	20F11GC030JA0NNNNN	3
37	40.7	55.5	18.5	30	45	55.5	15	20F11GC037JA0NNNNN	
43	47.3	64.5	22	37	55.5	66.6	18.5	20F11GC043JA0NNNNN	
60	66	90	30	43	66	90	22	20F11GC060JA0NNNNN	4
72	79.2	108	37	60	90	108	30	20F11GC072JA0NNNNN	5
85	93.5	128	45	72	108	130	37	20F11GC085JA0NNNNN	
104	114	156	55	85	128	156	45	20F1AGC104JN0NNNNN (3)	6
140	154	210	75	104	156	210	55	20F1AGC140JN0NNNNN (3)	
170	187	255	90	140	210	255	75	20F1AGC170JN0NNNNN (3)	
205	226	308	110	170	255	308	90	20F1AGC205JN0NNNNN (3)	
260	286	390	132	205	308	390	110	20F1AGC260JN0NNNNN (3)	7
302	332	453	160	260	390	468	132	20F1AGC302JN0NNNNN (3)	
367	404	551	200	302	453	551	160	20F1AGC367JN0NNNNN (3)	
456	502	684	250	367	551	684	200	20F1AGC456JN0NNNNN (3)	

(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.
(3) 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.

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

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 11 for 380...400V, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty				Cat. No. (1) (2)	Frame Size
Output Amps			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	3.1	3.7	0.75	2.1	3.1	3.7	0.75	20F11FC2P1JA0NNNNN	2
3.5	5.2	6.3	1.5	3.5	5.2	6.3	1.5	20F11FC3P5JA0NNNNN	
5	7.5	9	2.2	5	7.5	9	2.2	20F11FC5P0JA0NNNNN	
8.7	13	15.6	4	8.7	13	15.6	4	20F11FC8P7JA0NNNNN	
11.5	17.2	20.7	5.5	11.5	17.2	20.7	5.5	20F11FC011JA0NNNNN	
15.4	16.9	23.1	7.5	11.5	17.2	20.7	5.5	20F11FC015JA0NNNNN	
22	24.2	33	11	15.4	24.2	33	7.5	20F11FC022JA0NNNNN	
30	33	45	15	22	33	45	11	20F11FC030JA0NNNNN	3
37	40.7	55.5	18.5	30	45	55.5	15	20F11FC037JA0NNNNN	
43	47.3	64.5	22	37	55.5	66.6	18.5	20F11FC043JA0NNNNN	
60	66	90	30	43	66	90	22	20F11FC060JA0NNNNN	4
72	79.2	108	37	60	90	108	30	20F11FC072JA0NNNNN	
85	93.5	128	45	72	108	130	37	20F11FC085JA0NNNNN	5
104	114	156	55	85	128	156	45	20F11FC104JA0NNNNN	

(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.

460…480V AC, Three-phase Drives

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

Normal Duty				Heavy Duty				Cat. No. [2] [3]	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	2.3	3.2	1	1.1	2.3	3.2	0.5	20F11RD2P1JA0NNNNN	1
3.4	3.7	5.1	2	2.8	4.2	5.1	1	20F11RD3P4JA0NNNNN	
5	5.5	7.5	3	3.4	5.5	7.5	2	20F11RD5P0JA0NNNNN	
8	8.8	12	5	5	8.8	12	3	20F11RD8P0JA0NNNNN	
11	12.1	16.5	7.5	8	12.1	16.5	5	20F11RD011JA0NNNNN	
14	15.4	21	10	11	16.5	21	7.5	20F11RD014JA0NNNNN	
2.1	3.1	3.7	1	2.1	3.1	3.7	1	20F11ND2P1JA0NNNNN	2
3.4	5.1	6.1	2	3.4	5.1	6.1	2	20F11ND3P4JA0NNNNN	
5	7.5	9	3	5	7.5	9	3	20F11ND5P0JA0NNNNN	
8	12	14.4	5	8	12	14.4	5	20F11ND8P0JA0NNNNN	
11	16.5	19.8	7.5	11	16.5	19.8	7.5	20F11ND011JA0NNNNN	
14	15.4	21	10	11	16.5	21	7.5	20F11ND014JA0NNNNN	
22	24.2	33	15	14	24.2	33	10	20F11ND022JA0NNNNN	
27	29.7	40.5	20	22	33	40.5	15	20F11ND027JA0NNNNN	3
34	37.4	51	25	27	40.5	51	20	20F11ND034JA0NNNNN	
40	44	60	30	34	51	61.2	25	20F11ND040JA0NNNNN	
52	57.2	78	40	40	60	78	30	20F11ND052JA0NNNNN	4
65	71.5	97.5	50	52	78	97.5	40	20F11ND065JA0NNNNN	
77	84.7	116	60	65	97.5	116	50	20F11ND077JA0NNNNN	5
96	106	144	75	77	116	144	60	20F11ND096JA0NNNNN	
125	138	188	100	96	144	188	75	20F1AND125JN0NNNNN [4]	6
156	172	234	125	125	188	234	100	20F1AND156JN0NNNNN [4]	
186	205	279	150	156	234	281	125	20F1AND186JN0NNNNN [4]	
248	273	372	200	186	279	372	150	20F1AND248JN0NNNNN [4]	
302	332	453	250	248	372	453	200	20F1AND302JN0NNNNN [4]	7
361	397	542	300	302	453	535	250	20F1AND361JN0NNNNN [4]	
415	457	623	350	361	542	650	300	20F1AND415JN0NNNNN [4]	
477	525	716	400	361	542	650	300	20F1AND477JN0NNNNN [4]	

(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.

(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.

460…480V AC, Three-phase Drives (Continued)

IP54, NEMA/UL Type 12

Normal Duty				Heavy Duty				Cat. No. (1) (2)	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	3.1	3.7	1	2.1	3.1	3.7	1	20F11GD2P1JA0NNNNN	2
3.4	5.1	6.1	2	3.4	5.1	6.1	2	20F11GD3P4JA0NNNNN	
5	7.5	9	3	5	7.5	9	3	20F11GD5P0JA0NNNNN	
8	12	14.4	5	8	12	14.4	5	20F11GD8P0JA0NNNNN	
11	16.5	19.8	7.5	11	16.5	19.8	7.5	20F11GD011JA0NNNNN	
14	15.4	21	10	11	16.5	21	7.5	20F11GD014JA0NNNNN	
22	24.2	33	15	14	24.2	33	10	20F11GD022JA0NNNNN	
27	29.7	40.5	20	22	33	40.5	15	20F11GD027JA0NNNNN	3
34	37.4	51	25	27	40.5	51	20	20F11GD034JA0NNNNN	
40	44	60	30	34	51	61.2	25	20F11GD040JA0NNNNN	
52	57.2	78	40	40	60	78	30	20F11GD052JA0NNNNN	4
65	71.5	97.5	50	52	78	97.5	40	20F11GD065JA0NNNNN	5
77	84.7	116	60	65	97.5	116	50	20F11GD077JA0NNNNN	
96	106	144	75	77	116	144	60	20F1AGD096JN0NNNNN (3)	6
125	138	188	100	96	144	188	75	20F1AGD125JN0NNNNN (3)	
156	172	234	125	125	188	234	100	20F1AGD156JN0NNNNN (3)	
186	205	279	150	156	234	281	125	20F1AGD186JN0NNNNN (3)	
248	273	372	200	186	279	372	150	20F1AGD248JN0NNNNN (3)	7
302	332	453	250	248	372	453	200	20F1AGD302JN0NNNNN (3)	
361	397	542	300	302	453	535	250	20F1AGD361JN0NNNNN (3)	
415	457	623	350	361	542	650	300	20F1AGD415JN0NNNNN (3)	

(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.
(3) 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.

460…480V AC, Three-phase Drives (Continued)

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 14 for 480V, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty				Cat. No. (1) (2)	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	3.1	3.7	1	2.1	3.1	3.7	1	20F11FD2P1JA0NNNNN	2
3.4	5.1	6.1	2	3.4	5.1	6.1	2	20F11FD3P4JA0NNNNN	
5	7.5	9	3	5	7.5	9.0	3	20F11FD5P0JA0NNNNN	
8	12	14.4	5	8	12	14.4	5	20F11FD8P0JA0NNNNN	
11	16.5	19.8	7.5	11	16.5	19.8	7.5	20F11FD011JA0NNNNN	
14	15.4	21	10	11	16.5	21	7.5	20F11FD014JA0NNNNN	
22	24.2	33	15	14	24.2	33	10	20F11FD022JA0NNNNN	
27	29.7	40.5	20	22	33	40.5	15	20F11FD027JA0NNNNN	3
34	37.4	51	25	27	40.5	51	20	20F11FD034JA0NNNNN	
40	44	60	30	34	51	61.2	25	20F11FD040JA0NNNNN	
52	57.2	78	40	40	60	78	30	20F11FD052JA0NNNNN	4
65	71.5	97.5	50	52	78	97.5	40	20F11FD065JA0NNNNN	
77	84.7	116	60	65	97.5	116	50	20F11FD077JA0NNNNN	5
96	106	144	75	77	116	144	60	20F11FD096JA0NNNNN	

(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.

575…600V AC, Three-phase Drives

Frames 3, 4, and 5 are only 575…600V AC drives. Frames 6 and 7 are dual-voltage drives, and can be operated at 575…600V or 660…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)

Normal Duty				Heavy Duty				Cat. No. (2) (3)	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
1.7	1.9	2.6	1	1.7	1.4	2.6	1	20F11NE1P7JA0NNNNN	3
2.7	3	4.1	2	1.7	2.6	4.1	1	20F11NE2P7JA0NNNNN	
3.9	4.29	5.85	3	2.7	4.1	5.9	2	20F11NE3P9JA0NNNNN	
6.1	6.7	9.2	5	3.9	5.9	9.2	3	20F11NE6P1JA0NNNNN	
9	9.9	13.5	7.5	6.1	9.2	13.5	5	20F11NE9P0JA0NNNNN	
11	12.1	16.5	10	9	13.5	16.5	7.5	20F11NE011JA0NNNNN	
17	18.7	25.5	15	11	16.5	25.5	10	20F11NE017JA0NNNNN	
22	24.2	33	20	17	25.5	33	15	20F11NE022JA0NNNNN	
27	29.7	40.5	25	22	33	40.5	20	20F11NE027JA0NNNNN	4
32	35.2	48	30	27	40.5	48.6	25	20F11NE032JA0NNNNN	
41	45.1	61.5	40	32	48	61.5	30	20F11NE041JA0NNNNN	5
52	57.2	78	50	41	61.5	78	40	20F11NE052JA0NNNNN	
12	13.2	18	10	9.1	13.7	18	7.5	20F1ANE012JN0NNNNN (4)	6
18	19.8	27	15	12	18	27	10	20F1ANE018JN0NNNNN (4)	
23	25.3	34.5	20	18	27	34.5	15	20F1ANE023JN0NNNNN (4)	
24	26.4	36	20	22	33	39.6	20	20F1ANE024JN0NNNNN (4)	
28	30.8	42	25	23	34.5	42	20	20F1ANE028JN0NNNNN (4)	
33	36.3	49.5	30	28	42	50.4	25	20F1ANE033JN0NNNNN (4)	
42	46.2	63	40	33	49.5	63	30	20F1ANE042JN0NNNNN (4)	
53	58	80	50	42	63	80	40	20F1ANE053JN0NNNNN (4)	
63	69	95	60	52	78	95	50	20F1ANE063JN0NNNNN (4)	
77	85	116	75	63	95	116	60	20F1ANE077JN0NNNNN (4)	
99	109	149	100	77	116	149	75	20F1ANE099JN0NNNNN (4)	
125	138	188	125	99	149	188	100	20F1ANE125JN0NNNNN (4)	
144	158	216	150	125	188	225	125	20F1ANE144JN0NNNNN (4)	
192	211	288	200	144	216	288	150	20F1ANE192JN0NNNNN (4)	7
242	266	363	250	192	288	363	200	20F1ANE242JN0NNNNN (4)	
289	318	434	300	242	363	436	250	20F1ANE289JN0NNNNN (4)	

(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.
(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.

575…600V AC, Three-phase Drives (Continued)

Frames 3, 4, and 5 are only 575…600V AC drives. Frames 6 and 7 are dual-voltage drives, and can be operated at 575…600 V or 660…690V AC.

IP54, NEMA/UL Type 12

Normal Duty				Heavy Duty				Cat. No. (1) (2)	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
1.7	1.9	2.6	1	1.7	1.4	2.6	1	20F11GE1P7JA0NNNNN	3
2.7	3	4.1	2	1.7	2.6	4.1	1	20F11GE2P7JA0NNNNN	
3.9	4.29	5.85	3	2.7	4.1	5.9	2	20F11GE3P9JA0NNNNN	
6.1	6.7	9.2	5	3.9	5.9	9.2	3	20F11GE6P1JA0NNNNN	
9	9.9	13.5	7.5	6.1	9.2	13.5	5	20F11GE9P0JA0NNNNN	
11	12.1	16.5	10	9	13.5	16.5	7.5	20F11GE011JA0NNNNN	
17	18.7	25.5	15	11	16.5	25.5	10	20F11GE017JA0NNNNN	
22	24.2	33	20	17	25.5	33	15	20F11GE022JA0NNNNN	
27	29.7	40.5	25	22	33	40.5	20	20F11GE027JA0NNNNN	4
32	35.2	48	30	27	40.5	48.6	25	20F11GE032JA0NNNNN	
41	45.1	61.5	40	32	48	61.5	30	20F11GE041JA0NNNNN	5
12	13.2	18	10	9.1	13.7	18	7.5	20F1AGE012JN0NNNNN (3)	6
18	19.8	27	15	12	18	27	10	20F1AGE018JN0NNNNN (3)	
23	25.3	34.5	20	18	27	34.5	15	20F1AGE023JN0NNNNN (3)	
24	26.4	36	20	22	33	39.6	20	20F1AGE024JN0NNNNN (3)	
28	30.8	42	25	23	34.5	42	20	20F1AGE028JN0NNNNN (3)	
33	36.3	49.5	30	28	42	50.4	25	20F1AGE033JN0NNNNN (3)	
42	46.2	63	40	33	49.5	63	30	20F1AGE042JN0NNNNN (3)	
53	58	80	50	42	63	80	40	20F1AGE053JN0NNNNN (3)	
63	69	95	60	52	78	95	50	20F1AGE063JN0NNNNN (3)	
77	85	116	75	63	95	116	60	20F1AGE077JN0NNNNN (3)	
99	109	149	100	77	116	149	75	20F1AGE099JN0NNNNN (3)	
125	138	188	125	99	149	188	100	20F1AGE125JN0NNNNN (3)	
144	158	216	150	125	188	225	125	20F1AGE144JN0NNNNN (3)	
192	211	288	200	144	216	288	150	20F1AGE192JN0NNNNN (3)	7
242	266	363	250	192	288	363	200	20F1AGE242JN0NNNNN (3)	
289	318	434	300	242	363	436	250	20F1AGE289JN0NNNNN (3)	

(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.
(3) 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.

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.

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 17 for 600V, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty				Cat. No. (1) (2)	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
1.7	1.9	2.6	1	1.7	1.4	2.6	1	20F11FE1P7JA0NNNNN	3
2.7	3	4.1	2	1.7	2.6	4.1	1	20F11FE2P7JA0NNNNN	
3.9	4.29	5.85	3	2.7	4.1	5.9	2	20F11FE3P9JA0NNNNN	
6.1	6.7	9.2	5	3.9	5.9	9.2	3	20F11FE6P1JA0NNNNN	
9	9.9	13.5	7.5	6.1	9.2	13.5	5	20F11FE9P0JA0NNNNN	
11	12.1	16.5	10	9	13.5	16.5	7.5	20F11FE011JA0NNNNN	
17	18.7	25.5	15	11	16.5	25.5	10	20F11FE017JA0NNNNN	
22	24.2	33	20	17	25.5	33	15	20F11FE022JA0NNNNN	
27	29.7	40.5	25	22	33	40.5	20	20F11FE027JA0NNNNN	4
32	35.2	48	30	27	40.5	48.6	25	20F11FE032JA0NNNNN	
41	45.1	61.5	40	32	48	61.5	30	20F11FE041JA0NNNNN	5
52	57.2	78.0	50	41	61.5	78	40	20F11FE052JA0NNNNN	

(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.

690V AC, Three-phase Drives

IP00/IP20, NEMA/UL Type Open (1)

Normal Duty				Heavy Duty				Cat. No. (2) (3)	Frame Size
Output Amps			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
12	13.2	18	7.5	9	13.5	18	5.5	20F1ANF012JN0NNNNN (4)	6
15	16.5	22.5	11	12	18	22.5	7.5	20F1ANF015JN0NNNNN (4)	
20	22	30	15	15	22.5	30	11	20F1ANF020JN0NNNNN (4)	
23	25.3	34.5	18.5	20	30	36	15	20F1ANF023JN0NNNNN (4)	
30	33	45	22	23	34.5	45	18.5	20F1ANF030JN0NNNNN (4)	
34	37.4	51	30	30	45	54	22	20F1ANF034JN0NNNNN (4)	
46	50.6	69	37	34	51	69	30	20F1ANF046JN0NNNNN (4)	
50	55	75	45	46	69	83	37	20F1ANF050JN0NNNNN (4)	
61	67	92	55	50	75	92	45	20F1ANF061JN0NNNNN (4)	
82	90	123	75	61	92	123	55	20F1ANF082JN0NNNNN (4)	
98	108	147	90	82	123	148	75	20F1ANF098JN0NNNNN (4)	
119	131	179	110	98	147	179	90	20F1ANF119JN0NNNNN (4)	
142	156	213	132	119	179	214	110	20F1ANF142JN0NNNNN (4)	
171	188	257	160	142	213	257	132	20F1ANF171JN0NNNNN (4)	7
212	233	318	200	171	257	318	160	20F1ANF212JN0NNNNN (4)	
263	289	395	250	212	318	395	200	20F1ANF263JN0NNNNN (4)	

(1) Frames 6…7 are IP00, NEMA/UL Type Open. Frames 1…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.
(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.

690V AC, Three-phase Drives (Continued)

IP54, NEMA/UL Type 12

Normal Duty				Heavy Duty				Cat. No. (1) (2)	Frame Size
Output Amps			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
12	13.2	18	7.5	9	13.5	18	5.5	20F1AGF012JN0NNNNN (3)	6
15	16.5	22.5	11	12	18	22.5	7.5	20F1AGF015JN0NNNNN (3)	
20	22	30	15	15	22.5	30	11	20F1AGF020JN0NNNNN (3)	
23	25.3	34.5	18.5	20	30	36	15	20F1AGF023JN0NNNNN (3)	
30	33	45	22	23	34.5	45	18.5	20F1AGF030JN0NNNNN (3)	
34	37.4	51	30	30	45	54	22	20F1AGF034JN0NNNNN (3)	
46	50.6	69	37	34	51	69	30	20F1AGF046JN0NNNNN (3)	
50	55	75	45	46	69	83	37	20F1AGF050JN0NNNNN (3)	
61	67	92	55	50	75	92	45	20F1AGF061JN0NNNNN (3)	
82	90	123	75	61	92	123	55	20F1AGF082JN0NNNNN (3)	
98	108	147	90	82	123	148	75	20F1AGF098JN0NNNNN (3)	
119	131	179	110	98	147	179	90	20F1AGF119JN0NNNNN (3)	
142	156	213	132	119	179	214	110	20F1AGF142JN0NNNNN (3)	
171	188	257	160	142	213	257	132	20F1AGF171JN0NNNNN (3)	7
212	233	318	200	171	257	318	160	20F1AGF212JN0NNNNN (3)	
263	289	395	250	212	318	395	200	20F1AGF263JN0NNNNN (3)	

(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.
(3) 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.

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 20 for 690V, Frame 6...7 IP00, NEMA Type Open drives.

Product Selection - PowerFlex 753 Common Bus Drives

540V DC Nominal Input - Common Bus Drives

IP00/IP20,NEMA/UL Type Open (1)

Normal Duty				Heavy Duty				Cat.No. (2)	Frame Size
Output Amps			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	2.3	3.2	0.75	1.3	2.3	3.2	0.37	20F11RC2P1JA0NNNNN	1
3.5	3.9	5.3	1.5	2.1	3.9	5.3	0.75	20F11RC3P5JA0NNNNN	
5	5.5	7.5	2.2	3.5	5.5	7.5	1.5	20F11RC5P0JA0NNNNN	
8.7	9.6	13.1	4	5	9.6	13.1	2.2	20F11RC8P7JA0NNNNN	
11.5	13.1	17.3	5.5	8.7	13.1	17.3	4	20F11RC011JA0NNNNN	
15.4	16.9	23.1	7.5	11.5	17.2	23.1	5.5	20F11RC015JA0NNNNN	
2.1	3.1	3.7	0.75	2.1	3.1	3.7	0.75	20F11NC2P1JA0NNNNN	2
3.5	5.2	6.3	1.5	3.5	5.2	6.3	1.5	20F11NC3P5JA0NNNNN	
5	7.5	9	2.2	5	7.5	9	2.2	20F11NC5P0JA0NNNNN	
8.7	13	15.6	4	8.7	13.0	15.6	4	20F11NC8P7JA0NNNNN	
11.5	17.2	20.7	5.5	11.5	17.2	20.7	5.5	20F11NC011JA0NNNNN	
15.4	16.9	23.1	7.5	11.5	17.2	20.7	5.5	20F11NC015JA0NNNNN	
22	24.2	33	11	15.4	24.2	33	7.5	20F11NC022JA0NNNNN	
30	33	45	15	22	33	45	11	20F11NC030JA0NNNNN	3
37	40.7	55.5	18.5	30	45	55.5	15	20F11NC037JA0NNNNN	
43	47.3	64.5	22	37	55.5	66.6	18.5	20F11NC043JA0NNNNN	
60	66	90	30	44	66	90	22	20F11NC060JA0NNNNN	4
72	79.2	108	37	60	90	108	30	20F11NC072JA0NNNNN	
85	93.5	128	45	72	108	130	37	20F14NC085JA0NNNNN	5
104	114	156	55	85	128	156	45	20F14NC104JA0NNNNN	
140	154	210	75	104	156	210	55	20F14NC140JN0NNNNN (3)	6
170	187	255	90	140	210	255	75	20F14NC170JN0NNNNN (3)	
205	226	308	110	170	255	308	90	20F14NC205JN0NNNNN (3)	
260	286	390	132	205	308	390	110	20F14NC260JN0NNNNN(3)	
302	332	453	160	260	390	468	132	20F14NC302JN0NNNNN(3)	7
367	404	551	200	302	453	551	160	20F14NC367JN0NNNNN(3)	
456	502	684	250	367	551	684	200	20F14NC456JN0NNNNN(3)	
477	525	716	270	367	551	684	200	20F14NC477JN0NNNNN(3)	

(1) Frames 1…5 are IP20,NEMA/UL Type Open. Frames 6…7 are IP00,NEMA/UL Type Open. Frames1…7 can be converted to IP20, NEMA/UL Type1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.
(2) The 11th character determines default Filtering and Common Mode Cap jumper configuration; 'J'= Installed, and 'A'= Removed.
(3) The12th character determines whether an internal dynamic braking IGBT is included; 'A'= Internal dynamic braking transistor installed, and 'N'= No internal dynamic braking transistor.

540V DC Nominal Input - Common Bus Drives (continued)

IP54, NEMA/UL Type 12

Normal Duty				Heavy Duty				Cat.No. (1)	Frame Size
Output Amps			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	3.1	3.7	0.75	2.1	3.1	3.7	0.75	20F11GC2P1JA0NNNNN	2
3.5	5.2	6.3	1.5	3.5	5.2	6.3	1.5	20F11GC3P5JA0NNNNN	
5	7.5	9	2.2	5	7.5	9	2.2	20F11GC5P0JA0NNNNN	
8.7	13	15.6	4	8.7	13	15.6	4	20F11GC8P7JA0NNNNN	
11.5	17.2	20.7	5.5	11.5	17.2	20.7	5.5	20F11GC011JA0NNNNN	
15.4	16.9	23.1	7.5	11.5	17.2	20.7	5.5	20F11GC015JA0NNNNN	
22	24.2	33	11	15.4	24.2	33	7.5	20F11GC022JA0NNNNN	
30	33	45	15	22	33	45	11	20F11GC030JA0NNNNN	3
37	40.7	55.5	18.5	30	45	55.5	15	20F11GC037JA0NNNNN	
43	47.3	64.5	22	37	55.5	66.6	18.5	20F11GC043JA0NNNNN	
60	66	90	30	44	66	90	22	20F11GC060JA0NNNNN	4
72	79.2	108	37	60	90	108	30	20F14GC072JA0NNNNN	5
85	93.5	128	45	72	108	130	37	20F14GC085JA0NNNNN	
104	114	156	55	85	128	156	45	20F14GC104JN0NNNNN (2)	6
140	154	210	75	104	156	210	55	20F14GC140JN0NNNNN (2)	
170	187	255	90	140	210	255	75	20F14GC170JN0NNNNN (2)	
205	226	308	110	170	255	308	90	20F14GC205JN0NNNNN (2)	
260	286	390	132	205	308	390	110	20F14GC260JN0NNNNN (2)	7
302	332	453	160	260	390	468	132	20F14GC302JN0NNNNN (2)	
367	404	551	200	302	453	551	160	20F14GC367JN0NNNNN (2)	
456	502	684	250	367	551	684	200	20F14GC456JN0NNNNN (2)	

(1) The11th character determines default Filtering and Common Mode Cap jumper configuration; 'J'= Installed, and 'A'= Removed.
(2) The12th character determines whether an internal dynamic braking IGBT is included; 'A'= Internal dynamic braking transistor installed, and 'N'= No internal dynamic braking transistor.

540 VDC Nominal Input - Common Bus Drives (continued)

Important: 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 (kit20-750-FLNG4-F6 for Frame 6, and kit 20-750-FLNG4-F7 for Frame 7). See page 22 for 540V DC, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty				Cat.No. (1)	Frame Size
Output Amps			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	3.1	3.7	0.75	2.1	3.1	3.7	0.75	20F11FC2P1JA0NNNNN	2
3.5	5.2	6.3	1.5	3.5	5.2	6.3	1.5	20F11FC3P5JA0NNNNN	
5	7.5	9	2.2	5	7.5	9	2.2	20F11FC5P0JA0NNNNN	
8.7	13	15.6	4	8.7	13	15.6	4	20F11FC8P7JA0NNNNN	
11.5	17.2	20.7	5.5	11.5	17.2	20.7	5.5	20F11FC011JA0NNNNN	
15.4	16.9	23.1	7.5	11.5	17.2	20.7	5.5	20F11FC014JA0NNNNN	
22	24.2	33	11	15.4	24.2	33	7.5	20F11FC022JA0NNNNN	
30	33	45	15	22	33	45	11	20F11FC030JA0NNNNN	3
37	40.7	55.5	18.5	30	45	55.5	15	20F11FC037JA0NNNNN	
43	47.3	64.5	22	37	55.5	66.6	18.5	20F11FC043JA0NNNNN	
60	66	90	30	44	66	90	22	20F11FC060JA0NNNNN	4
72	79.2	108	37	60	90	108	30	20F11FC072JA0NNNNN	
85	93.5	128	45	72	108	130	37	20F14FC085JA0NNNNN	5
104	114	156	55	85	128	156	45	20F14FC104JA0NNNNN	

(1) The 11th character determines default filtering and common mode cap jumper configuration; 'J'= Installed, and 'A'= Removed.

650V DC Nominal Input - Common Bus Drives

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

Normal Duty				Heavy Duty				Cat.No. [2]	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	2.3	3.2	1	1.1	2.3	3.2	0.5	20F11RD2P1JA0NNNNN	1
3.4	3.7	5.1	2	2.8	4.2	5.1	1	20F11RD3P4JA0NNNNN	
5	5.5	7.5	3	3.4	5.5	7.5	2	20F11RD5P0JA0NNNNN	
8	8.8	12	5	5	8.8	12	3	20F11RD8P0JA0NNNNN	
11	12.1	16.5	7.5	8	12.1	16.5	5	20F11RD011JA0NNNNN	
14	15.4	21	10	11	16.5	21	7.5	20F11RD014JA0NNNNN	
2.1	3.1	3.7	1	2.1	3.1	3.7	1	20F11ND2P1JA0NNNNN	2
3.4	5.1	6.1	2	3.4	5.1	6.1	2	20F11ND3P4JA0NNNNN	
5	7.5	9	3	5	7.5	9	3	20F11ND5P0JA0NNNNN	
8	12	14.4	5	8	12	14.4	5	20F11ND8P0JA0NNNNN	
11	16.5	19.8	7.5	11	16.5	19.8	7.5	20F11ND011JA0NNNNN	
14	15.4	21	10	11	16.5	21	7.5	20F11ND014JA0NNNNN	
22	24.2	33	15	14	24.2	33	15	20F11ND022JA0NNNNN	
27	29.7	40.5	20	22	33	40.5	15	20F11ND027JA0NNNNN	3
34	37.4	51	25	27	40.5	51	20	20F11ND034JA0NNNNN	
40	44	60	30	34	51	61.2	25	20F11ND040JA0NNNNN	
52	57.2	78	40	40	60	78	30	20F11ND052JA0NNNNN	4
65	71.5	97.5	50	52	78	97.5	40	20F11ND065JA0NNNNN	
77	84.7	116	60	65	97.5	116	50	20F14ND077JA0NNNNN	5
96	106	144	75	77	116	144	60	20F14ND096JA0NNNNN	
125	138	188	100	96	144	188	75	20F14ND125JN0NNNNN [3]	6
156	172	234	125	125	188	234	100	20F14ND156JN0NNNNN [3]	
186	205	279	150	156	234	281	125	20F14ND186JN0NNNNN [3]	
248	273	372	200	186	279	372	150	20F14ND248JN0NNNNN [3]	
302	332	453	250	248	372	453	200	20F14ND302JN0NNNNN [3]	7
361	397	542	300	302	453	535	250	20F14ND361JN0NNNNN [3]	
415	457	623	350	361	542	650	300	20F14ND415JN0NNNNN [3]	
477	525	716	400	361	542	650	300	20F14ND477JN0NNNNN [3]	

(1) Frames1…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 Type1 with optional kit (20-750-NEMA1-Fx), where x is the frame size of the drive.
(2) The 11th character determines default Filtering and Common Mode Cap jumper configuration; 'J'= Installed, and 'A'= Removed.
(3) 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.

650V DC Nominal Input - Common Bus Drives (continued)

IP54, NEMA/UL Type12

Normal Duty				Heavy Duty				Cat.No. [1]	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	3.1	3.7	1	2.1	3.1	3.7	1	20F11GD2P1JA0NNNNN	2
3.4	5.1	6.1	2	3.4	5.1	6.1	2	20F11GD3P4JA0NNNNN	
5	7.5	9	3	5	7.5	9	3	20F11GD5P0JA0NNNNN	
8	12	14.4	5	8	12	14.4	5	20F11GD8P0JA0NNNNN	
11	16.5	19.8	7.5	11	16.5	19.8	7.5	20F11GD011JA0NNNNN	
14	15.4	21	10	11	16.5	21	7.5	20F11GD014JA0NNNNN	
22	24.2	33	15	14	24.2	33	15	20F11GD022JA0NNNNN	
27	29.7	40.5	20	22	33	40.5	15	20F11GD027JA0NNNNN	3
34	37.4	51	25	27	40.5	51	20	20F11GD034JA0NNNNN	
40	44	60	30	34	51	61.2	25	20F11GD040JA0NNNNN	
52	57.2	78	40	40	60	78	30	20F11GD052JA0NNNNN	4
65	71.5	97.5	50	52	78	97.5	40	20F14GD065JA0NNNNN	5
77	84.7	116	60	65	97.5	116	50	20F14GD077JA0NNNNN	
96	106	144	75	77	116	144	60	20F14GD096JN0NNNNN [2]	6
125	138	188	100	96	144	188	75	20F14GD125JN0NNNNN [2]	
156	172	234	125	125	188	234	100	20F14GD156JN0NNNNN [2]	
186	205	279	150	156	234	281	125	20F14GD186JN0NNNNN [2]	
248	273	372	200	186	279	372	150	20F14GD248JN0NNNNN [2]	7
302	332	453	250	248	372	453	200	20F14GD302JN0NNNNN [2]	
361	397	542	300	302	453	535	250	20F14GD361JN0NNNNN [2]	
415	457	623	350	361	542	650	300	20F14GD415JN0NNNNN [2]	

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

650V DC Nominal Input - Common Bus Drives (continued)

Important: 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 25 for 650V DC, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty					
Output Amps			Hp	Output Amps			Hp	Cat.No. (1)	Frame Size
Cont.	60 s	3 s		Cont.	60 s	3 s			
2.1	3.1	3.7	1	2.1	3.1	3.7	1	20F11FD2P1JA0NNNNN	2
3.4	5.1	6.1	2	3.4	5.1	6.1	2	20F11FD3P4JA0NNNNN	
5	7.5	9	3	5	7.5	9.0	3	20F11FD5P0JA0NNNNN	
8	12	14.4	5	8	12	14.4	5	20F11FD8P0JA0NNNNN	
11	16.5	19.8	7.5	11	16.5	19.8	7.5	20F11FD011JA0NNNNN	
14	15.4	21	10	11	16.5	21	7.5	20F11FD014JA0NNNNN	
22	24.2	33	15	14	24.2	33	15	20F11FD022JA0NNNNN	
27	29.7	40.5	20	22	33	40.5	15	20F11FD027JA0NNNNN	3
34	37.4	51	25	27	40.5	51	20	20F11FD034JA0NNNNN	
40	44	60	30	34	51	61.2	25	20F11FD040JA0NNNNN	
52	57.2	78	40	40	60	78	30	20F11FD052JA0NNNNN	4
65	71.5	97.5	50	52	78	97.5	40	20F11FD065JA0NNNNN	
77	84.7	116	60	65	97.5	116	50	20F14FD077JA0NNNNN	5
96	106	144	75	77	116	144	60	20F14FD096JA0NNNNN	

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

810V DC Nominal Input - Common Bus Drives

Important: At 810V DC, PowerFlex 750-series Frames 3...5 drives cannot be used on the same common DC bus as 810/932V DC PowerFlex 750-series Frames 6...10 drives. For more details, contact your local Rockwell Automation sales office or your Allen-Bradley distributor.

IP00/IP20,NEMA/UL Type Open (1)

Normal Duty				Heavy Duty				Cat.No.(2)	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
1.7	1.9	2.6	1	1.7	1.4	2.6	1	20F11NE1P7JA0NNNNN	3
2.7	3	4.1	2	1.7	2.6	4.1	1	20F11NE2P7JA0NNNNN	
3.9	4.29	5.85	3	2.7	4.1	5.9	2	20F11NE3P9JA0NNNNN	
6.1	6.7	9.2	5	3.9	5.9	9.2	3	20F11NE6P1JA0NNNNN	
9	9.9	13.5	7.5	6.1	9.2	13.5	5	20F11NE9P0JA0NNNNN	
11	12.1	16.5	10	9	13.5	16.5	7.5	20F11NE011JA0NNNNN	
17	18.7	25.5	15	11	16.5	25.5	10	20F11NE017JA0NNNNN	
22	24.2	33	20	17	25.5	33	15	20F11NE022JA0NNNNN	
27	29.7	40.5	25	22	33	40.5	20	20F11NE027JA0NNNNN	4
32	35.2	48	30	27	40.5	48.6	25	20F11NE032JA0NNNNN	
41	45.1	61.5	40	32	48	61.5	30	20F14NE041JA0NNNNN	5
52	57.2	78	50	41	61.5	78	40	20F14NE052JA0NNNNN	
12	13.2	18	10	9.1	13.7	18	7.5	20F14NE012JN0NNNNN (3)	6
18	19.8	27	15	12	18	27	10	20F14NE018JN0NNNNN (3)	
23	25.3	34.5	20	18	27	34.5	15	20F14NE023JN0NNNNN (3)	
24	26.4	36	20	22	33	39.6	20	20F14NE024JN0NNNNN (3)	
28	30.8	42	25	23	34.5	42	20	20F14NE028JN0NNNNN (3)	
33	36.3	49.5	30	28	42	50.4	25	20F14NE033JN0NNNNN (3)	
42	46.2	63	40	33	49.5	63	30	20F14NE042JN0NNNNN (3)	
53	58	80	50	42	63	80	40	20F14NE053JN0NNNNN (3)	
63	69	95	60	52	78	95	50	20F14NE063JN0NNNNN (3)	
77	85	116	75	63	95	116	50	20F14NE077JN0NNNNN (3)	
99	109	149	100	77	116	149	60	20F14NE099JN0NNNNN (3)	
125	138	188	125	99	149	188	75	20F14NE125JN0NNNNN (3)	
144	158	216	150	125	188	225	100	20F14NE144JN0NNNNN (3)	
192	211	288	200	144	216	288	125	20F14NE192JN0NNNNN (3)	7
242	266	363	250	192	288	363	150	20F14NE242JN0NNNNN (3)	
289	318	434	300	242	363	436	200	20F14NE289JN0NNNNN (3)	

(1) Frames 3…5 are IP20, NEMA/UL Type Open. Frames 6…7 are IP00, NEMA/UL Type Open. 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) The 11th character determines default Filtering and Common Mode Cap jumper configuration; 'J'= Installed, and 'A'= Removed.
(3) 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.

810V DC Nominal Input - Common Bus Drives (continued)

Important: At 810V DC, PowerFlex 750-series Frames 3...5 drives cannot be used on the same common DC bus as 810/932V DC PowerFlex 750-series Frames 6...10 drives. For more details, contact your local Rockwell Automation sales office or your Allen-Bradley distributor.

IP54,NEMA/ULType12

Normal Duty				Heavy Duty				Cat.No. (1)	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
1.7	1.9	2.6	1	1.7	1.4	2.6	1	20F11GE1P7JA0NNNNN	3
2.7	3	4.1	2	1.7	2.6	4.1	1	20F11GE2P7JA0NNNNN	
3.9	4.29	5.85	3	2.7	4.1	5.9	2	20F11GE3P9JA0NNNNN	
6.1	6.7	9.2	5	3.9	5.9	9.2	3	20F11GE6P1JA0NNNNN	
9	9.9	13.5	7.5	6.1	9.2	13.5	5	20F11GE9P0JA0NNNNN	
11	12.1	16.5	10	9	13.5	16.5	7.5	20F11GE011JA0NNNNN	
17	18.7	25.5	15	11	16.5	25.5	10	20F11GE017JA0NNNNN	
22	24.2	33	20	17	25.5	33	15	20F11GE022JA0NNNNN	
27	29.7	40.5	25	22	33	40.5	20	20F11GE027JA0NNNNN	4
32	35.2	48	30	27	40.5	48.6	25	20F11GE032JA0NNNNN	
41	45.1	61.5	40	32	48	61.5	30	20F14GE041JA0NNNNN	5
12	13.2	18	10	9.1	13.7	18	7.5	20F14GE012JN0NNNNN (2)	6
18	19.8	27	15	12	18	27	10	20F14GE018JN0NNNNN(2)	
23	25.3	34.5	20	18	27	34.5	15	20F14GE023JN0NNNNN(2)	
24	26.4	36	20	22	33	39.6	20	20F14GE024JN0NNNNN(2)	
28	30.8	42	25	23	34.5	42	20	20F14GE028JN0NNNNN(2)	
33	36.3	49.5	30	28	42	50.4	25	20F14GE033JN0NNNNN(2)	
42	46.2	63	40	33	49.5	63	30	20F14GE042JN0NNNNN(2)	
53	58	80	50	42	63	80	40	20F14GE053JN0NNNNN(2)	
63	69	95	60	52	78	95	50	20F14GE063JN0NNNNN(2)	
77	85	116	75	63	95	116	50	20F14GE077JN0NNNNN(2)	
99	109	149	100	77	116	149	60	20F14GE099JN0NNNNN(2)	
125	138	188	125	99	149	188	75	20F14GE125JN0NNNNN(2)	
144	158	216	150	125	188	225	100	20F14GE144JN0NNNNN(2)	
192	211	288	200	144	216	288	125	20F14GE192JN0NNNNN(2)	7
242	266	363	250	192	288	363	150	20F14GE242JN0NNNNN(2)	
289	318	434	300	242	363	436	200	20F14GE289JN0NNNNN(2)	

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

810V DC Nominal Input - Common Bus Drives (continued)

Important: At 810V DC, PowerFlex 750-series Frames 3...5 drives cannot be used on the same common DC bus as 810/932V DC PowerFlex750-series Frames 6...10 drives. For more details, contact your local Rockwell Automation sales office or your Allen-Bradley distributor.

Important: 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 28 for 810V DC, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty				Cat.No. (1)	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
1.7	1.9	2.6	1	1.7	1.4	2.6	1	20F11FE1P7JA0NNNNN	3
2.7	3	4.1	2	1.7	2.6	4.1	1	20F11FE2P7JA0NNNNN	
3.9	4.29	5.85	3	2.7	4.1	5.9	2	20F11FE3P9JA0NNNNN	
6.1	6.7	9.2	5	3.9	5.9	9.2	3	20F11FE6P1JA0NNNNN	
9	9.9	13.5	7.5	6.1	9.2	13.5	5	20F11FE9P0JA0NNNNN	
11	12.1	16.5	10	9	13.5	16.5	7.5	20F11FE011JA0NNNNN	
17	18.7	25.5	15	11	16.5	25.5	10	20F11FE017JA0NNNNN	
22	24.2	33	20	17	25.5	33	15	20F11FE022JA0NNNNN	
27	29.7	40.5	25	22	33	40.5	20	20F11FE027JA0NNNNN	4
32	35.2	48	30	27	40.5	48.6	25	20F11FE032JA0NNNNN	
41	45.1	61.5	40	32	48	61.5	30	20F14FE041JA0NNNNN	5
52	57.2	78.0	50	41	61.5	78	40	20F14FE052JA0NNNNN	

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

932V DC Nominal Input - Common Bus Drives

IP00/IP20,NEMA/UL Type Open (1)

Normal Duty				Heavy Duty				Cat.No. (2) (3)	Frame Size
Output Amps			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
12	13.2	18	7.5	9	13.5	18	5.5	20F14NF012JN0NNNNN	6
15	16.5	22.5	11	12	18	22.5	7.5	20F14NF015JN0NNNNN	
20	22	30	15	15	22.5	30	11	20F14NF020JN0NNNNN	
23	25.3	34.5	18.5	20	30	36	15	20F14NF023JN0NNNNN	
30	33	45	22	23	34.5	45	18.5	20F14NF030JN0NNNNN	
34	37.4	51	30	30	45	54	22	20F14NF034JN0NNNNN	
46	50.6	69	37	34	51	69	30	20F14NF046JN0NNNNN	
50	55	75	45	46	69	83	37	20F14NF050JN0NNNNN	
61	67	92	55	50	75	92	45	20F14NF061JN0NNNNN	
82	90	123	75	61	92	123	55	20F14NF082JN0NNNNN	
98	108	147	90	82	123	148	75	20F14NF098JN0NNNNN	
119	131	179	110	98	147	179	90	20F14NF119JN0NNNNN	
142	156	213	132	119	179	214	110	20F14NF142JN0NNNNN	
171	188	257	160	142	213	257	132	20F14NF171JN0NNNNN	7
212	233	318	200	171	257	318	160	20F14NF212JN0NNNNN	
263	289	395	250	212	318	395	200	20F14NF263JN0NNNNN	

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

932V DC Nominal Input - Common Bus Drives (continued)

IP54, NEMA/UL Type 12

Normal Duty				Heavy Duty				Cat.No. (1) (2)	Frame Size
Outputs Amp			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
12	13.2	18	7.5	9	13.5	18	5.5	20F14GF012JN0NNNNN	6
15	16.5	22.5	11	12	18	22.5	7.5	20F14GF015JN0NNNNN	
20	22	30	15	15	22.5	30	11	20F14GF020JN0NNNNN	
23	25.3	34.5	18.5	20	30	36	15	20F14GF023JN0NNNNN	
30	33	45	22	23	34.5	45	18.5	20F14GF030JN0NNNNN	
34	37.4	51	30	30	45	54	22	20F14GF034JN0NNNNN	
46	50.6	69	37	34	51	69	30	20F14GF046JN0NNNNN	
50	55	75	45	46	69	83	37	20F14GF050JN0NNNNN	
61	67	92	55	50	75	92	45	20F14GF061JN0NNNNN	
82	90	123	75	61	92	123	55	20F14GF082JN0NNNNN	
98	108	147	90	82	123	148	75	20F14GF098JN0NNNNN	
119	131	179	110	98	147	179	90	20F14GF119JN0NNNNN	
142	156	213	132	119	179	214	110	20F14GF142JN0NNNNN	
171	188	257	160	142	213	257	132	20F14GF171JN0NNNNN	7
212	233	318	200	171	257	318	160	20F14GF212JN0NNNNN	
263	289	395	250	212	318	395	200	20F14GF263JN0NNNNN	

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

Flange Mount (Front: IP20,NEMA/UL Type Open; Back/Heatsink: IP66,NEMA/UL Type4X)

Important: Frame 6...7 IP00, NEMA Type Open drives can be converted to a flange mount drive (Back/Heatsink: IP66,NEMA/UL Type4X) with an optional user installed flange kit (20-750-FLNG4-F6 for Frame 6, and 20-750-FLNG4-F7 for Frame 7). See page 31 for 932V DC, Frame 6...7 IP00, NEMA Type Open drives.

Product Selection—PowerFlex 755

200…240V AC, Three-phase Drives

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

Normal Duty					Heavy Duty					Cat. No. [3] [4]	Frame Size
Output Amps: 240V (208V) [2]			HP	kW	Output Amps: 240V (208V) [2]			HP	kW		
Cont.	60 s	3 s			Cont.	60 s	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	
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.
(2) Drive 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.

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

IP54, NEMA/UL Type 12

Normal Duty					Heavy Duty					Cat. No. (2) (3)	Frame Size
Output Amps: 240V (208V) (1)			HP	kW	Output Amps: 240V (208V) (1)			HP	kW		
Cont.	60 s	3 s			Cont.	60 s	3 s				
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)

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 33 for 200...240V, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty					Heavy Duty					Cat. No. (2) (3)	Frame Size
Output Amps: 240V (208V) (1)			HP	kW	Output Amps: 240V (208V) (1)			HP	kW		
Cont.	60 s	3 s			Cont.	60 s	3 s				
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				Cat. No. [3] [4]	Frame Size
Output Amps		kW	Output Amps			kW	Output Amps			kW		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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	13.0	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	20.7	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]	
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]	

IP00/IP20, NEMA/UL Type Open (Continued) (1)

Light Duty (2)			Normal Duty				Heavy Duty				Cat. No. (3) (4)	Frame Size
Output Amps		kW	Output Amps			kW	Output Amps			kW		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
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. See page 227.

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

IP54, NEMA/UL Type 12

Light Duty (1)			Normal Duty				Heavy Duty				Cat. No. (2) (3)	Frame Size
Output Amps		kW	Output Amps			kW	Output Amps			kW		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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	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	20.7	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) 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) 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. See page 227.

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

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 36 for 380...400V, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty				Cat. No. (1) (2)	Frame Size
Output Amps			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
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	20.7	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	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				Cat. No. [3] [4]	Frame Size
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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	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	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]	
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]	

IP00/IP20, NEMA/UL Type Open (Continued) (1)

Light Duty (2)			Normal Duty				Heavy Duty				Cat. No. (3) (4)	Frame Size
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
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. See page 227.

480V AC, Three-phase Drives (Continued)

IP54, NEMA/UL Type 12

Light Duty (1)			Normal Duty				Heavy Duty				Cat. No. (2) (3)	Frame Size
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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. See page 227.

480V AC, Three-phase Drives (Continued)

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 40 for 480V, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty				Cat. No. (1) (2)	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
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	9.0	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	57.2	78	40	40	60	78	30	20G11FD052JA0NNNNN	4
65	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, and "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 600V 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				Cat. No. [3] [4]	Frame Size
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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]	

IP00/IP20, NEMA/UL Type Open (Continued) (1)

Light Duty (2)			Normal Duty				Heavy Duty				Cat. No. (3) (4)	Frame Size
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
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. See page 227.

600V AC, Three-phase Drives (Continued)

Frames 3, 4, and 5 are only 575...600V AC drives. Frames 6 and 7 are dual-voltage drives, and can be operated at 575...600 V or 660...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				Cat. No. [2] [3]	Frame Size
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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	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]	

IP54, NEMA/UL Type 12 (Continued)

Light Duty [1]			Normal Duty				Heavy Duty				Cat. No. [2] [3]	Frame Size
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
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. See page 227.

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 600V 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 44 for 600V, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty				Cat. No. (1) (2)	Frame Size
Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
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	78.0	50	41	61.5	78	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, and "A" = Removed.

690V AC, Three-phase Drives

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

Light Duty [2]			Normal Duty				Heavy Duty				Cat. No. [3] [4]	Frame Size
Output Amps		kW	Output Amps			kW	Output Amps			kW		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	12	13.2	18	7.5	9	13.5	18	5.5	20F1ANF012JN0NNNNN [5]	6
			15	16.5	22.5	11	12	18	22.5	7.5	20F1ANF015JN0NNNNN [5]	
			20	22	30	15	15	22.5	30	11	20F1ANF020JN0NNNNN [5]	
			23	25.3	34.5	18.5	20	30	36	15	20F1ANF023JN0NNNNN [5]	
			30	33	45	22	23	34.5	45	18.5	20F1ANF030JN0NNNNN [5]	
			34	37.4	51	30	30	45	54	22	20F1ANF034JN0NNNNN [5]	
			46	50.6	69	37	34	51	69	30	20F1ANF046JN0NNNNN [5]	
			50	55	75	45	46	69	83	37	20F1ANF050JN0NNNNN [5]	
			61	67	92	55	50	75	92	45	20F1ANF061JN0NNNNN [5]	
			82	90	123	75	61	92	123	55	20F1ANF082JN0NNNNN [5]	
			98	108	147	90	82	123	148	75	20F1ANF098JN0NNNNN [5]	
			119	131	179	110	98	147	179	90	20F1ANF119JN0NNNNN [5]	
			142	156	213	132	119	179	214	110	20F1ANF142JN0NNNNN [5]	
			171	188	257	160	142	213	257	132	20F1ANF171JN0NNNNN [5]	7
			212	233	318	200	171	257	318	160	20F1ANF212JN0NNNNN [5]	
			263	289	395	250	212	318	395	200	20F1ANF263JN0NNNNN [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.
(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. See page 227.

690V AC, Three-phase Drives (Continued)

IP54, NEMA/UL Type 12

Light Duty (1)			Normal Duty				Heavy Duty				Cat. No. (2) (3)	Frame Size
Output Amps		kW	Output Amps			kW	Output Amps			kW		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	12	13.2	18	7.5	9	13.5	18	5.5	20F1AGF012JN0NNNNN (4)	6
			15	16.5	22.5	11	12	18	22.5	7.5	20F1AGF015JN0NNNNN (4)	
			20	22	30	15	15	22.5	30	11	20F1AGF020JN0NNNNN (4)	
			23	25.3	34.5	18.5	20	30	36	15	20F1AGF023JN0NNNNN (4)	
			30	33	45	22	23	34.5	45	18.5	20F1AGF030JN0NNNNN (4)	
			34	37.4	51	30	30	45	54	22	20F1AGF034JN0NNNNN (4)	
			46	50.6	69	37	34	51	69	30	20F1AGF046JN0NNNNN (4)	
			50	55	75	45	46	69	83	37	20F1AGF050JN0NNNNN (4)	
			61	67	92	55	50	75	92	45	20F1AGF061JN0NNNNN (4)	
			82	90	123	75	61	92	123	55	20F1AGF082JN0NNNNN (4)	
			98	108	147	90	82	123	148	75	20F1AGF098JN0NNNNN (4)	
			119	131	179	110	98	147	179	90	20F1AGF119JN0NNNNN (4)	
			142	156	213	132	119	179	214	110	20F1AGF142JN0NNNNN (4)	
			171	188	257	160	142	213	257	132	20F1AGF171JN0NNNNN (4)	7
			212	233	318	200	171	257	318	160	20F1AGF212JN0NNNNN (4)	
			263	289	395	250	212	318	395	200	20F1AGF263JN0NNNNN (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. See page 227.

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 49 for 690V, Frame 6...7 IP00, NEMA Type Open drives.

Product Selection - PowerFlex 755 Common Bus Drives

540V DC Nominal Input - Common Bus Drives

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

Light Duty [2]			Normal Duty				Heavy Duty				Cat. No. [3]	FrameSize
Output Amps		kW	Output Amps			kW	Output Amps			kW		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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	44	66	90	22	20G11NC060JA0NNNNN	4
			72	79.2	108	37	60	90	108	30	20G11NC072JA0NNNNN	
			85	93.5	128	45	72	108	130	37	20G14NC085JA0NNNNN	5
			104	114	156	55	85	128	156	45	20G14NC104JA0NNNNN	
			140	154	210	75	104	156	210	55	20G14NC140JN0NNNNN [4]	6
			170	187	255	90	140	210	255	75	20G14NC170JN0NNNNN [4]	
			205	226	308	110	170	255	308	90	20G14NC205JN0NNNNN [4]	
			260	286	390	132	205	308	390	110	20G14NC260JN0NNNNN [4]	
			302	332	453	160	260	390	468	132	20G14NC302JN0NNNNN [4]	7
			367	404	551	200	302	453	551	160	20G14NC367JN0NNNNN [4]	
			456	502	684	250	367	551	684	200	20G14NC456JN0NNNNN [4]	
			477	525	716	270	367	551	684	200	20G14NC477JN0NNNNN [4]	
540	594	315	460	506	690	250	385	578	693	200	21G14*C460JN0NNNNN [5]	8 [6]
585	644	315	540	594	810	315	456	684	821	250	21G14*C540JN0NNNNN [5]	
612	673	355	567	624	851	315	472	708	850	250	21G14*C567JN0NNNNN [5]	
750	825	400	650	715	975	355	540	810	972	315	21G14*C650JN0NNNNN [5]	
796	876	450	750	825	1125	400	585	878	1053	315	21G14*C750JN0NNNNN [5]	
832	915	450	770	847	1155	400	642	963	1156	355	21G14*C770JN0NNNNN [5]	

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

Light Duty [2]			Normal Duty				Heavy Duty				Cat. No. [3]	FrameSize
Output Amps		kW	Output Amps			kW	Output Amps			kW		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
1040	1144	560	910	1001	1365	500	750	1125	1350	400	21G14*C910JN0NNNNN [5]	9 [6]
1090	1199	630	1040	1144	1560	560	880	1320	1584	500	21G14*C1K0JN0NNNNN [5]	
1175	1293	710	1090	1199	1635	630	910	1365	1638	500	21G14*C1K1JN0NNNNN [5]	
1465	1612	800	1175	1293	1763	710	1040	1560	1872	560	21G14*C1K2JN0NNNNN [5]	
1480	1628	850	1465	1612	2198	800	1090	1635	1962	630	21G14*C1K4JN0NNNNN [5]	
1600	1760	900	1480	1628	2220	850	1175	1763	2115	710	21G14*C1K5JN0NNNNN [5]	
1715	1887	1000	1590	1749	2385	900	1325	1988	2385	710	21G14*C1K6JN0NNNNN [5]	10 [6]
2330	2563	1400	2150	2365	3225	1250	1800	2700	3240	1000	21G14*C2K1JN0NNNNN [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 available only on Frame 8…10 drives. Light duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.
(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) The 6th character (designated by an * in this table) determines the enclosure type. Refer to the Enclosure Type table in the Catalog Number Explanation on page 5.
(6) A roll-out cart is required for Frames 8…10 drives to assist with power wiring and cabinet mounting. See page 226.

540V DC Nominal Input - Common Bus Drives (continued)

IP54, NEMA/UL Type 12

Light Duty [1]			Normal Duty				Heavy Duty				Cat. No. [2]	Frame Size
Output Amps		kW	Output Amps			kW	Output Amps			kW		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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	44	66	90	22	20G11GC060JA0NNNNN	4
			72	79.2	108	37	60	90	108	30	20G14GC072JA0NNNNN	5
			85	93.5	128	45	72	108	130	37	20G14GC085JA0NNNNN	
			104	114	156	55	85	128	156	45	20G14GC104JN0NNNNN [3]	6
			140	154	210	75	104	156	210	55	20G14GC140JN0NNNNN [3]	
			170	187	255	90	140	210	255	75	20G14GC170JN0NNNNN [3]	
			205	226	308	110	170	255	308	90	20G14GC205JN0NNNNN [3]	
			260	286	390	132	205	308	390	110	20G14GC260JN0NNNNN [3]	7
			302	332	453	160	260	390	468	132	20G14GC302JN0NNNNN [3]	
			367	404	551	200	302	453	551	160	20G14GC367JN0NNNNN [3]	
			456	502	684	250	367	551	684	200	20G14GC456JN0NNNNN [3]	
540	594	315	460	506	690	250	385	578	693	200	21G14*C460JN0NNNNN [4]	8 [5]
585	644	315	540	594	810	315	456	684	821	250	21G14*C540JN0NNNNN [4]	
612	673	355	567	624	851	315	472	708	850	250	21G14*C567JN0NNNNN [4]	
750	825	400	650	715	975	355	540	810	972	315	21G14*C650JN0NNNNN [4]	
796	876	450	750	825	1125	400	585	878	1053	315	21G14*C750JN0NNNNN [4]	
832	915	450	770	847	1155	400	642	963	1156	355	21G14*C770JN0NNNNN [4]	
1040	1144	560	910	1001	1365	500	750	1125	1350	400	21G14*C910JN0NNNNN [4]	9 [5]
1090	1199	630	1040	1144	1560	560	880	1320	1584	500	21G14*C1K0JN0NNNNN [4]	
1175	1293	710	1090	1199	1635	630	910	1365	1638	500	21G14*C1K1JN0NNNNN [4]	
1465	1612	800	1175	1293	1763	710	1040	1560	1872	560	21G14*C1K2JN0NNNNN [4]	
1480	1628	850	1465	1612	2198	800	1090	1635	1962	630	21G14*C1K4JN0NNNNN [4]	
1600	1760	900	1480	1628	2220	850	1175	1763	2115	710	21G14*C1K5JN0NNNNN [4]	
1715	1887	1000	1590	1749	2385	900	1325	1988	2385	710	21G14*C1K6JN0NNNNN [4]	10 [5]
2330	2563	1400	2150	2365	3225	1250	1800	2700	3240	1000	21G14*C2K1JN0NNNNN [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 11th character determines default Filtering and Common Mode Cap jumper configuration. "J" = Installed, "A" = Removed.
(3) 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.
(4) The 6th character (designated by an * in this table) determines the enclosure type. Refer to the Enclosure Type table in the Catalog Number Explanation on page 5.
(5) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 226.

540V DC Nominal Input - Common Bus Drives (continued)

Important: 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 Frame7). See page 51 for 540V DC, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty				Cat. No. (1)	FrameSize
Outputs Amp			kW	Output Amps			kW		
Cont.	60 s	3 s		Cont.	60 s	3 s			
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	44	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	20G14FC085JA0NNNNN	5
104	114	156	55	85	128	156	45	20G14FC104JA0NNNNN	

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

650V DC Nominal Input - Common Bus Drives

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

Light Duty [2]			Normal Duty				Heavy Duty				Cat. No. [3]	FrameSize
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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	15	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	20G14ND077JA0NNNNN	5
			96	106	144	75	77	116	144	60	20G14ND096JA0NNNNN	
			125	138	188	100	96	144	188	75	20G14ND125JN0NNNNN [4]	6
			156	172	234	125	125	188	234	100	20G14ND156JN0NNNNN [4]	
			186	205	279	150	156	234	281	125	20G14ND186JN0NNNNN [4]	
			248	273	372	200	186	279	372	150	20G14ND248JN0NNNNN [4]	
			302	332	453	250	248	372	453	200	20G14ND302JN0NNNNN [4]	7
			361	397	542	300	302	453	535	250	20G14ND361JN0NNNNN [4]	
			415	457	623	350	361	542	650	300	20G14ND415JN0NNNNN [4]	
			477	525	716	400	361	542	650	300	20G14ND477JN0NNNNN [4]	
485	534	400	430	473	645	350	370	555	666	300	21G14*D430JN0NNNNN [5]	8 [6]
545	600	450	485	534	728	400	414	621	745	350	21G14*D485JN0NNNNN [5]	
590	649	500	545	600	818	450	454	681	817	350	21G14*D545JN0NNNNN [5]	
710	781	600	617	679	926	500	485	728	873	400	21G14*D617JN0NNNNN [5]	
765	842	650	710	781	1065	600	545	818	981	450	21G14*D710JN0NNNNN [5]	
800	880	700	740	814	1110	650	617	926	1111	500	21G14*D740JN0NNNNN [5]	

IP00/IP20, NEMA/UL Type Open (1) (Continued)

Light Duty (2)			Normal Duty				Heavy Duty				Cat. No. (3)	FrameSize
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
960	1056	800	800	880	1200	700	710	1065	1278	600	21G14*D800JN0NNNNN (5)	9 (6)
1045	1150	900	960	1056	1440	800	795	1193	1431	700	21G14*D960JN0NNNNN (5)	
1135	1249	1000	1045	1150	1568	900	800	1200	1440	750	21G14*D1K0JN0NNNNN (5)	
1365	1502	1100	1135	1249	1703	1000	960	1440	1728	800	21G14*D1K2JN0NNNNN (5)	
1420	1562	1250	1365	1502	2048	1100	1045	1568	1881	900	21G14*D1K3JN0NNNNN (5)	
1540	1694	1350	1420	1562	2130	1250	1135	1703	2043	1000	21G14*D1K4JN0NNNNN (5)	
1655	1821	1500	1525	1678	2288	1350	1270	1905	2286	1100	21G14*D1K5JN0NNNNN (5)	10 (6)
2240	2464	2000	2070	2277	3105	1750	1730	2595	3114	1650	21G14*D2K0JN0NNNNN (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 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) The 6th character (designated by an * in this table) determines the enclosure type. Refer to the Enclosure Type table in the Catalog Number Explanation on page 5.
(6) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 226.

650V DC Nominal Input - Common Bus Drives (continued)

IP54, NEMA/UL Type 12

Light Duty (1)			Normal Duty				Heavy Duty				Cat. No. (2)	FrameSize
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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	15	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	20G14GD065JA0NNNNN	5
			77	84.7	116	60	65	97.5	116	50	20G14GD077JA0NNNNN	
			96	106	144	75	77	116	144	60	20G14GD096JN0NNNNN (3)	6
			125	138	188	100	96	144	188	75	20G14GD125JN0NNNNN (3)	
			156	172	234	125	125	188	234	100	20G14GD156JN0NNNNN (3)	
			186	205	279	150	156	234	281	125	20G14GD186JN0NNNNN (3)	
			248	273	372	200	186	279	372	150	20G14GD248JN0NNNNN (3)	7
			302	332	453	250	248	372	453	200	20G14GD302JN0NNNNN (3)	
			361	397	542	300	302	453	535	250	20G14GD361JN0NNNNN (3)	
			415	457	623	350	361	542	650	300	20G14GD415JN0NNNNN (3)	
485	534	400	430	473	645	350	370	555	666	300	21G14*D430JN0NNNNN (4)	8 (5)
545	600	450	485	534	728	400	414	621	745	350	21G14*D485JN0NNNNN (4)	
590	649	500	545	600	818	450	454	681	817	350	21G14*D545JN0NNNNN (4)	
710	781	600	617	679	926	500	485	728	873	400	21G14*D617JN0NNNNN (4)	
765	842	650	710	781	1065	600	545	818	981	450	21G14*D710JN0NNNNN (4)	
800	880	700	740	814	1110	650	617	926	1111	500	21G14*D740JN0NNNNN (4)	
960	1056	800	800	880	1200	700	710	1065	1278	600	21G14*D800JN0NNNNN (4)	9 (5)
1045	1150	900	960	1056	1440	800	795	1193	1431	700	21G14*D960JN0NNNNN (4)	
1135	1249	1000	1045	1150	1568	900	800	1200	1440	750	21G14*D1K0JN0NNNNN (4)	
1365	1502	1100	1135	1249	1703	1000	960	1440	1728	800	21G14*D1K2JN0NNNNN (4)	
1420	1562	1250	1365	1502	2048	1100	1045	1568	1881	900	21G14*D1K3JN0NNNNN (4)	
1540	1694	1350	1420	1562	2130	1250	1135	1703	2043	1000	21G14*D1K4JN0NNNNN (4)	
1655	1821	1500	1525	1678	2288	1350	1270	1905	2286	1100	21G14*D1K5JN0NNNNN (4)	10 (5)
2240	2464	2000	2070	2277	3105	1750	1730	2595	3114	1650	21G14*D2K0JN0NNNNN (4)	

(1) Light Duty rating available only on Frame 8…10 drives. Light Duty allows 110% overload for 1 minute, and does not have a 3 second overload rating.
(2) The 11th character determines default Filtering and Common Mode Cap jumper configuration; "J" = Installed, and "A" = Removed.
(3) 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.
(4) The 6th character (designated by an * in this table) determines the enclosure type. Refer to the Enclosure Type table in the Catalog Number Explanation on page 5.
(5) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 226.

650V DC Nominal Input - Common Bus Drives (continued)

Important: 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 Frame7). See page 59 for 650V DC, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty					
Output Amps			Hp	Output Amps			Hp	Cat. No. (1)	Frame Size
Cont.	60 s	3 s		Cont.	60 s	3 s			
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	15	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	20G14FD077JA0NNNNN	5
96	106	144	75	77	116	144	60	20G14FD096JA0NNNNN	

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

810V DC Nominal Input - Common Bus Drives

Important: At 810V DC, PowerFlex 750-series Frames 3...5 drives cannot be used on the same common DC bus as 810/932V DC PowerFlex 750-series Frames 6...10 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				Cat. No. [3]	FrameSize
Outputs Amp		Hp	Outputs Amp			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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		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	20G14NE041JA0NNNNN	5
			52	57.2	78	50	41	61.5	78	40	20G14NE052JA0NNNNN	
			12	13.2	18	10	9.1	13.7	18	7.5	20G14NE012JN0NNNNN [4]	6
			18	19.8	27	15	12	18	27	10	20G14NE018JN0NNNNN [4]	
			23	25.3	34.5	20	18	27	34.5	15	20G14NE023JN0NNNNN [4]	
			24	26.4	36	20	22	33	39.6	20	20G14NE024JN0NNNNN [4]	
			28	30.8	42	25	23	34.5	42	20	20G14NE028JN0NNNNN [4]	
			33	36.3	49.5	30	28	42	50.4	25	20G14NE033JN0NNNNN [4]	
			42	46.2	63	40	33	49.5	63	30	20G14NE042JN0NNNNN [4]	
			53	58	80	50	42	63	80	40	20G14NE053JN0NNNNN [4]	
			63	69	95	60	52	78	95	50	20G14NE063JN0NNNNN [4]	
			77	85	116	75	63	95	116	50	20G14NE077JN0NNNNN [4]	
			99	109	149	100	77	116	149	60	20G14NE099JN0NNNNN [4]	
			125	138	188	125	99	149	188	75	20G14NE125JN0NNNNN [4]	
			144	158	216	150	1258	1888	225	100	20G14NE144JN0NNNNN [4]	
			192	211	288	200	144	216	288	125	20G14NE192JN0NNNNN [4]	7
			242	266	363	250	192	288	363	150	20G14NE242JN0NNNNN [4]	
			289	318	434	300	242	363	436	200	20G14NE289JN0NNNNN [4]	

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

Light Duty [2]			Normal Duty				Heavy Duty				Cat. No. [3]	FrameSize
Outputs Amp		Hp	Outputs Amp			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
355	391	350	295	325	443	300	272	408	490	250	21G14*E295JN0NNNNN [5]	8 [6]
395	435	400	355	391	533	350	295	443	531	300	21G14*E355JN0NNNNN [5]	
435	479	450	395	435	593	400	329	494	592	350	21G14*E395JN0NNNNN [5]	
460	506	500	435	479	653	450	355	533	639	350	21G14*E435JN0NNNNN [5]	
510	561	500	460	506	690	500	395	593	711	400	21G14*E460JN0NNNNN [5]	
545	600	550	510	561	765	500	425	638	765	450	21G14*E510JN0NNNNN [5]	
690	759	700	595	655	893	600	510	765	918	500	21G14*E595JN0NNNNN [5]	9 [6]
760	836	800	630	693	945	700	595	893	1071	600	21G14*E630JN0NNNNN [5]	
835	919	900	760	836	1140	800	630	945	1134	700	21G14*E760JN0NNNNN [5]	
900	990	950	825	908	1238	900	700	1050	1260	750	21G14*E825JN0NNNNN [5]	
980	1078	1000	900	990	1350	950	760	1140	1368	800	21G14*E900JN0NNNNN [5]	
1045	1150	1100	980	1078	1470	1000	815	1223	1467	900	21G14*E980JN0NNNNN [5]	
1220	1342	1200	1110	1221	1665	1100	920	1380	1656	1000	21G14*E1K1JN0NNNNN [5]	10 [6]
1530	1683	1500	1430	1573	2145	1400	1190	1785	2142	1250	21G14*E1K4JN0NNNNN [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 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) The 6th character (designated by an * in this table) determines the enclosure type. Refer to the Enclosure Type table in the Catalog Number Explanation on page 5.
(6) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 226.

810V DC Nominal Input - Common Bus Drives (continued)

Important: At 810V DC, PowerFlex 750-series Frames 3...5 drives cannot be used on the same common DC bus as 810/932V DC PowerFlex 750-series Frames 6...10 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				Cat. No. [2]	FrameSize
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	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	20G14GE041JA0NNNNN	5
			12	13.2	18	10	9.1	13.7	18	7.5	20G14GE012JN0NNNNN [3]	6
			18	19.8	27	15	12	18	27	10	20G14GE018JN0NNNNN [3]	
			23	25.3	34.5	20	18	27	34.5	15	20G14GE023JN0NNNNN [3]	
			24	26.4	36	20	22	33	39.6	20	20G14GE024JN0NNNNN [3]	
			28	30.8	42	25	23	34.5	42	20	20G14GE028JN0NNNNN [3]	
			33	36.3	49.5	30	28	42	50.4	25	20G14GE033JN0NNNNN [3]	
			42	46.2	63	40	33	49.5	63	30	20G14GE042JN0NNNNN [3]	
			53	58	80	50	42	63	80	40	20G14GE053JN0NNNNN [3]	
			63	69	95	60	52	78	95	50	20G14GE063JN0NNNNN [3]	
			77	85	116	75	63	95	116	50	20G14GE077JN0NNNNN [3]	
			99	109	149	100	77	116	149	60	20G14GE099JN0NNNNN [3]	
			125	138	188	125	99	149	188	75	20G14GE125JN0NNNNN [3]	
			144	158	216	150	1258	1888	225	100	20G14GE144JN0NNNNN [3]	
			192	211	288	200	144	216	288	125	20G14GE192JN0NNNNN [3]	7
			242	266	363	250	192	288	363	150	20G14GE242JN0NNNNN [3]	
			289	318	434	300	242	363	436	200	20G14GE289JN0NNNNN [3]	
355	391	350	295	325	443	300	272	408	490	250	21G14*E295JN0NNNNN [4]	8 [5]
395	435	400	355	391	533	350	295	443	531	300	21G14*E355JN0NNNNN [4]	
435	479	450	395	435	593	400	329	494	592	350	21G14*E395JN0NNNNN [4]	
460	506	500	435	479	653	450	355	533	639	350	21G14*E435JN0NNNNN [4]	
510	561	500	460	506	690	500	395	593	711	400	21G14*E460JN0NNNNN [4]	
545	600	550	510	561	765	500	425	638	765	450	21G14*E510JN0NNNNN [4]	

IP54, NEMA/UL Type 12

Light Duty [1]			Normal Duty				Heavy Duty					
Output Amps		Hp	Output Amps			Hp	Output Amps			Hp	Cat. No. [2]	FrameSize
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
690	759	700	595	655	893	600	510	765	918	500	21G14*E595JN0NNNNN [4]	9 [5]
760	836	800	630	693	945	700	595	893	1071	600	21G14*E630JN0NNNNN [4]	
835	919	900	760	836	1140	800	630	945	1134	700	21G14*E760JN0NNNNN [4]	
900	990	950	825	908	1238	900	700	1050	1260	750	21G14*E825JN0NNNNN [4]	
980	1078	1000	900	990	1350	950	760	1140	1368	800	21G14*E900JN0NNNNN [4]	
1045	1150	1100	980	1078	1470	1000	815	1223	1467	900	21G14*E980JN0NNNNN [4]	
1220	1342	1200	1110	1221	1665	1100	920	1380	1656	1000	21G14*E1K1JN0NNNNN [4]	10 [5]
1530	1683	1500	1430	1573	2145	1400	1190	1785	2142	1250	21G14*E1K4JN0NNNNN [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 11th character determines default Filtering and Common Mode Cap jumper configuration; "J" = Installed, and "A" = Removed.
(3) 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.
(4) The 6th character (designated by an * in this table) determines the enclosure type. Refer to the Enclosure Type table in the Catalog Number Explanation on page 5.
(5) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 226.

810V DC Nominal Input - Common Bus Drives (continued)

Important: At 810V DC, PowerFlex 750-series Frames 3...5 drives cannot be used on the same common DC bus as 810/932V DC PowerFlex 750-series Frames 6...10 drives. For more details, contact your local Rockwell Automation sales office or your Allen-Bradley distributor.

Important: 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 59 for 810V DC, Frame 6...7 IP00, NEMA Type Open drives.

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

Normal Duty				Heavy Duty				Cat. No. (1)	FrameSize
Outputs Amp			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s			
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	20G14FE041JA0NNNNN	5
52	57.2	78	50	41	61.5	78.0	40	20G14FE052JA0NNNNN	

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

932V DC Nominal Input - Common Bus Drives

IP00/IP20, NEMA/UL Type Open (1)

Light Duty (2)			Normal Duty				Heavy Duty				Cat. No. (3)	FrameSize
Output Amps		kW	Output Amps			kW	Output Amps			kW		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	12	13.2	18	7.5	9	13.5	18	5.5	20G14NF012JN0NNNNN (4)	6
			15	16.5	22.5	11	12	18	22.5	7.5	20G14NF015JN0NNNNN (4)	
			20	22	30	15	15	22.5	30	11	20G14NF020JN0NNNNN (4)	
			23	25.3	34.5	18.5	20	30	36	15	20G14NF023JN0NNNNN (4)	
			30	33	45	22	23	34.5	45	18.5	20G14NF030JN0NNNNN (4)	
			34	37.4	51	30	30	45	54	22	20G14NF034JN0NNNNN (4)	
			46	50.6	69	37	34	51	69	30	20G14NF046JN0NNNNN (4)	
			50	55	75	45	46	69	83	37	20G14NF050JN0NNNNN (4)	
			61	67	92	55	50	75	92	45	20G14NF061JN0NNNNN (4)	
			82	90	123	75	61	92	123	55	20G14NF082JN0NNNNN (4)	
			98	108	147	90	82	123	148	75	20G14NF098JN0NNNNN (4)	
			119	131	179	110	98	147	179	90	20G14NF119JN0NNNNN (4)	
			142	156	213	132	119	179	214	110	20G14NF142JN0NNNNN (4)	
			171	188	257	160	142	213	257	132	20G14NF171JN0NNNNN (4)	7
			212	233	318	200	171	257	318	160	20G14NF212JN0NNNNN (4)	
			263	289	395	250	212	318	395	200	20G14NF263JN0NNNNN (4)	
330	363	315	265	292	398	250	215	323	387	200	21G14*F265JN0NNNNN (5)	8 (6)
370	407	355	330	363	495	315	265	398	477	250	21G14*F330JN0NNNNN (5)	
410	451	400	370	407	555	355	308	462	554	300	21G14*F370JN0NNNNN (5)	
460	506	450	415	457	623	400	370	555	666	355	21G14*F415JN0NNNNN (5)	
500	550	500	460	506	690	450	375	563	675	375	21G14*F460JN0NNNNN (5)	
530	583	530	500	550	750	500	413	620	743	400	21G14*F500JN0NNNNN (5)	
650	715	630	590	649	885	560	460	690	828	450	21G14*F590JN0NNNNN (5)	9 (6)
710	781	710	650	715	975	630	500	750	900	500	21G14*F650JN0NNNNN (5)	
790	869	800	710	781	1065	710	590	885	1062	560	21G14*F710JN0NNNNN (5)	
860	946	850	765	842	1148	750	650	975	1170	630	21G14*F765JN0NNNNN (5)	
960	1056	900	795	875	1193	800	750	1125	1350	710	21G14*F795JN0NNNNN (5)	
1020	1122	1000	960	1056	1440	900	795	1193	1431	800	21G14*F960JN0NNNNN (5)	
1150	1265	1100	1040	1144	1560	1000	865	1298	1557	900	21G14*F1K0JN0NNNNN (5)	10 (6)
1485	1634	1500	1400	1540	2100	1400	1160	1740	2088	1120	21G14*F1K4JN0NNNNN (5)	

(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 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) The 6th character (designated by an * in this table) determines the enclosure type. Refer to the Enclosure Type table in the Catalog Number Explanation on page 5.
(6) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 226.

932V DC Nominal Input - Common Bus Drives (continued)

IP54, NEMA/UL Type 12

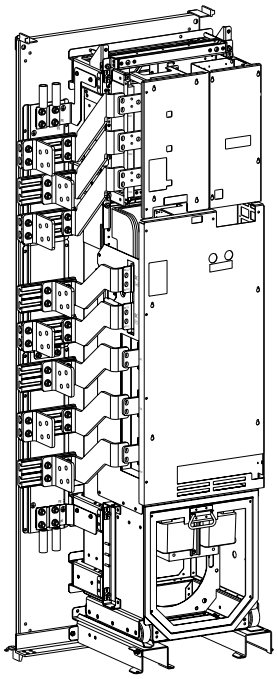
Light Duty [1]			Normal Duty				Heavy Duty				Cat. No. [2]	FrameSize
Output Amps		kW	Output Amps			kW	Output Amps			kW		
Cont.	60 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
—	—	—	12	13.2	18	7.5	9	13.5	18	5.5	20G14GF012JN0NNNNN [3]	6
			15	16.5	22.5	11	12	18	22.5	7.5	20G14GF015JN0NNNNN [3]	
			20	22	30	15	15	22.5	30	11	20G14GF020JN0NNNNN [3]	
			23	25.3	34.5	18.5	20	30	36	15	20G14GF023JN0NNNNN [3]	
			30	33	45	22	23	34.5	45	18.5	20G14GF030JN0NNNNN [3]	
			34	37.4	51	30	30	45	54	22	20G14GF034JN0NNNNN [3]	
			46	50.6	69	37	34	51	69	30	20G14GF046JN0NNNNN [3]	
			50	55	75	45	46	69	83	37	20G14GF050JN0NNNNN [3]	
			61	67	92	55	50	75	92	45	20G14GF061JN0NNNNN [3]	
			82	90	123	75	61	92	123	55	20G14GF082JN0NNNNN [3]	
			98	108	147	90	82	123	148	75	20G14GF098JN0NNNNN [3]	
			119	131	179	110	98	147	179	90	20G14GF119JN0NNNNN [3]	
			142	156	213	132	119	179	214	110	20G14GF142JN0NNNNN [3]	
			171	188	257	160	142	213	257	132	20G14GF171JN0NNNNN [3]	7
			212	233	318	200	171	257	318	160	20G14GF212JN0NNNNN [3]	
			263	289	395	250	212	318	395	200	20G14GF263JN0NNNNN [3]	
330	363	315	265	292	398	250	215	323	387	200	21G14*F265JN0NNNNN [4]	8 [5]
370	407	355	330	363	495	315	265	398	477	250	21G14*F330JN0NNNNN [4]	
410	451	400	370	407	555	355	308	462	554	300	21G14*F370JN0NNNNN [4]	
460	506	450	415	457	623	400	370	555	666	355	21G14*F415JN0NNNNN [4]	
500	550	500	460	506	690	450	375	563	675	375	21G14*F460JN0NNNNN [4]	
530	583	530	500	550	750	500	413	620	743	400	21G14*F500JN0NNNNN [4]	
650	715	630	590	649	885	560	460	690	828	450	21G14*F590JN0NNNNN [4]	9 [5]
710	781	710	650	715	975	630	500	750	900	500	21G14*F650JN0NNNNN [4]	
790	869	800	710	781	1065	710	590	885	1062	560	21G14*F710JN0NNNNN [4]	
860	946	850	765	842	1148	750	650	975	1170	630	21G14*F765JN0NNNNN [4]	
960	1056	900	795	875	1193	800	750	1125	1350	710	21G14*F795JN0NNNNN [4]	
1020	1122	1000	960	1056	1440	900	795	1193	1431	800	21G14*F960JN0NNNNN [4]	
1150	1265	1100	1040	1144	1560	1000	865	1298	1557	900	21G14*F1K0JN0NNNNN [4]	10 [5]
1485	1634	1500	1400	1540	2100	1400	1160	1740	2088	1120	21G14*F1K4JN0NNNNN [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 11th character determines default Filtering and Common Mode Cap jumper configuration; "J" = Installed, and "A" = Removed.
(3) 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.
(4) The 6th character (designated by an * in this table) determines the enclosure type. Refer to the Enclosure Type table in the Catalog Number Explanation on page 5.
(5) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 226.

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

Tip: Frame 6...7 IP00, NEMA Type Open drives can be converted to a flange mount drive (Back/Heatsink: IP66, NEMA/ULType 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 64 for 932V DC, 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. See 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. See 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 Drives with DC Inputs

Light Duty		Normal Duty		Heavy Duty		Base Drive Cat. No. (1)	Quantity Required	Equivalent Frame Size (2)
Output Amps Cont.	kW	Output Amps Cont.	kW	Output Amps Cont.	kW			
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) The 11th character determines default Filtering and Common Mode Cap jumper configuration; "J" = Installed, and "A" = Removed.
(2) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 227.

540V DC Nominal Input - Common Bus Drives

Light Duty (-LD)		Normal Duty (-ND)		Heavy Duty (-HD)		Base Drive Cat. No. (1)	Quantity Required	Equivalent Frame Size (2)
Output Amps Cont.	kW	Output Amps Cont.	kW	Output Amps Cont.	kW			
540	315	460	250	385	200	20G14TC460JN0NNNNN	1	8
585	315	540	315	456	250	20G14TC540JN0NNNNN		
612	355	567	315	472	250	20G14TC567JN0NNNNN		
750	400	650	355	540	315	20G14TC650JN0NNNNN		
796	450	750	400	585	315	20G14TC750JN0NNNNN		
832	450	770	400	642	355	20G14TC770JN0NNNNN		
1040	560	910	500	750	400	20G14TC460JN0NNNNN	2	9
1090	630	1040	560	880	500	20G14TC540JN0NNNNN		
1175	710	1090	630	910	500	20G14TC567JN0NNNNN		
1465	800	1175	710	1040	560	20G14TC650JN0NNNNN		
1480	850	1465	800	1090	630	20G14TC750JN0NNNNN		
1600	900	1480	850	1175	710	20G14TC770JN0NNNNN		
1715	1000	1590	900	1325	710	20G14TC567JN0NNNNN	3	10
2330	1400	2150	1250	1800	1000	20G14TC770JN0NNNNN		

(1) The 11th character determines default filtering and common mode cap jumper configuration. "J" = Installed, "A" = Removed.
(2) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 226.

480V AC, Three-phase and 650V DC Drives with DC Inputs

Light Duty		Normal Duty		Heavy Duty		Base Drive Cat. No.	Quantity Required	Equivalent Frame Size (1)
Output Amps Cont.	Hp	Output Amps Cont.	Hp	Output Amps Cont.	Hp			
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. See page 227.

650V DC Nominal Input - Common Bus Drives

Light Duty (-LD)		Normal Duty (-ND)		Heavy Duty (-HD)		Base Drive Cat. No.	Quantity Required	Equivalent Frame Size (1)
Output Amps Cont.	Hp	Output Amps Cont.	Hp	Output Amps Cont.	Hp			
485	400	430	350	370	300	20G14TD430JN0NNNNN	1	8
545	450	485	400	414	350	20G14TD485JN0NNNNN		
590	500	545	450	454	350	20G14TD545JN0NNNNN		
710	600	617	500	485	400	20G14TD617JN0NNNNN		
765	650	710	600	545	450	20G14TD710JN0NNNNN		
800	700	740	650	617	500	20G14TD740JN0NNNNN		
960	800	800	700	710	600	20G14TD430JN0NNNNN	2	9
1045	900	960	800	795	700	20G14TD485JN0NNNNN		
1135	1000	1045	900	800	750	20G14TD545JN0NNNNN		
1365	1100	1135	1000	960	800	20G14TD617JN0NNNNN		
1420	1250	1365	1100	1045	900	20G14TD710JN0NNNNN		
1540	1350	1420	1250	1135	1000	20G14TD740JN0NNNNN		
1655	1500	1525	1350	1270	1100	20G14TD545JN0NNNNN	3	10
2240	2000	2070	1750	1730	1650	20G14TD740JN0NNNNN		

(1) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 227.

600V AC, Three-phase and 810V DC Drives with DC Inputs

Light Duty		Normal Duty		Heavy Duty		Base Drive Cat. No.	Quantity Required	Equivalent Frame Size (1)
Output Amps Cont.	Hp	Output Amps Cont.	Hp	Output Amps Cont.	Hp			
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. See page 227.

810V DC Nominal Input - Common Bus Drives

Light Duty (-LD)		Normal Duty (-ND)		Heavy Duty (-HD)		Base Drive Cat. No.	Quantity Required	Equivalent Frame Size (1)
Output Amps Cont.	Hp	Output Amps Cont.	Hp	Output Amps Cont.	Hp			
355	350	295	300	272	250	20G14TE295JN0NNNNN	1	8
395	400	355	350	295	300	20G14TE355JN0NNNNN		
435	450	395	400	329	350	20G14TE395JN0NNNNN		
460	500	435	450	355	350	20G14TE435JN0NNNNN		
510	500	460	500	395	400	20G14TE460JN0NNNNN		
545	550	510	500	425	450	20G14TE510JN0NNNNN		
690	700	595	600	510	500	20G14TE295JN0NNNNN	2	9
760	800	630	700	595	600	20G14TE355JN0NNNNN		
835	900	760	800	630	700	20G14TE395JN0NNNNN		
900	950	825	900	700	750	20G14TE435JN0NNNNN		
980	1000	900	950	760	800	20G14TE460JN0NNNNN		
1045	1100	980	1000	815	900	20G14TE510JN0NNNNN		
1220	1200	1110	1100	920	1000	20G14TE395JN0NNNNN	3	10
1530	1500	1430	1400	1190	1250	20G14TE510JN0NNNNN		

(1) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 227.

690V AC, Three-phase and 932V DC Drives with DC Inputs

Light Duty (-LD)		Normal Duty (-ND)		Heavy Duty (-HD)		Base Drive Cat. No. (1)	Quantity Required	Equivalent Frame Size (2)
Output Amps Cont.	kW	Output Amps Cont.	kW	Output Amps Cont.	kW			
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) The 11th character determines default Filtering and Common Mode Cap jumper configuration; "J" = Installed, and "A" = Removed.
(2) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 227.

932V DC Nominal Input - Common Bus Drives

Light Duty (-LD)		Normal Duty (-ND)		Heavy Duty (-HD)		Base Drive Cat. No. (1)	Quantity Required	Equivalent Frame Size (2)
Output Amps Cont.	kW	Output Amps Cont.	kW	Output Amps Cont.	kW			
330	315	265	250	215	200	20G14TF265JN0NNNNN	1	8
370	355	330	315	265	250	20G14TF330JN0NNNNN		
410	400	370	355	308	300	20G14TF370JN0NNNNN		
460	450	415	400	370	355	20G14TF415JN0NNNNN		
500	500	460	450	375	375	20G14TF460JN0NNNNN		
530	530	500	500	413	400	20G14TF500JN0NNNNN		
650	630	590	560	460	450	20G14TF265JN0NNNNN	2	9
710	710	650	630	500	500	20G14TF330JN0NNNNN		
790	800	710	710	590	560	20G14TF370JN0NNNNN		
860	850	765	750	650	630	20G14TF415JN0NNNNN		
960	900	795	800	750	710	20G14TF460JN0NNNNN		
1020	1000	960	900	795	800	20G14TF500JN0NNNNN		
1150	1100	1040	1000	865	900	20G14TF370JN0NNNNN	3	10
1485	1500	1400	1400	1160	1120	20G14TF500JN0NNNNN		

(1) The 11th character determines filtering and common mode cap jumper configuration. "J" = Installed, "A" = Removed.
(2) A roll-out cart is required with Frame 8…10 drives to assist with power wiring and cabinet mounting. See page 227.

Option kits provide electrical connections, mounting and ventilation provisions along with the control pod and its corresponding cables for PowerFlex 755 Floor Mount Open Frame designs. Other available accessories include the rollout cart and EMC cores. See PowerFlex 755 IP00, NEMA/UL Open Type Drive Frames 8...10, publication 750-IN020 for option kit details.

Power Options for PowerFlex 755 Floor Mount, AC Input Drives

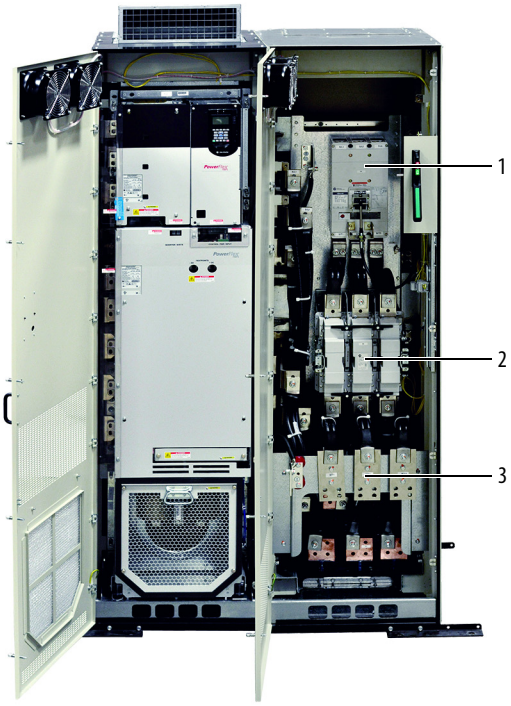
Pre-engineered, factory installed options are available with the PowerFlex 755 floor mount drives, which includes disconnects, reactors, contactors, MCC bus and wiring only bays.

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: 21G1ALC460JN0NNNNN-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.

Item	Description	
1	Power Disconnect: Options -P3 or -P5	See Additional Options on page 72.
2	Contactor: Options -P11 or -P12	
3	Reactor: Options -L1, -L2, -L3, or -L4	

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 (1) (2)	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 (1) (3)	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 (1) (4)	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.

(1) Only one option of this type can be selected.
(2) Contactor options are not available for systems with MCC power bus.
(3) 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).
(4) MCC bus is connected to the line side of the disconnect, as delivered from the factory.

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				Normal Duty				Heavy Duty				Base Drive Cat. No. (3) (4) (5)	Frame Size
Output Amps			Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
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. See page 227.
(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, and "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.

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

Light Duty				Normal Duty				Heavy Duty				Base Drive Cat. No. [3] [4] [5]	Frame Size
Output Amps			Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
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. See page 227.
(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, and "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.

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

Light Duty				Normal Duty				Heavy Duty				Base Drive Cat. No. [3] [4] [5]	Frame Size
Output Amps			Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	60 s	3 s		Cont.	60 s	3 s		Cont.	60 s	3 s			
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. See page 227.
(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, and "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.

PowerFlex 755 CENTERLINE 2100 Splice Kits

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.

PowerFlex 755 CENTERLINE 2500 Splice Kits

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 (2)	20-750-PBAY-66 8…10	8…10
Option Bay, 800 mm wide by 600 mm deep, Beige (2)	20-750-PBAY-86	
Option Bay, 1200 mm wide by 600 mm deep, Beige (2)	20-750-PBAY-126	
Option Bay, 600 mm wide by 800 mm deep, Beige (3)	20-750-PBAY-68	
Option Bay, 800 mm wide by 800 mm deep, Beige (3)	20-750-PBAY-88	
Option Bay, 1200 mm wide by 800 mm deep, Beige (3)	20-750-PBAY-128	
Option Bay Hardware Kit (one kit is required for each cabinet selected) (4)	20-750-PBAY-HWD-1	
Option Bay Seal Kit, IP54	20-750-PBAY-IP54	
Empty Bay, RH Bus Bar, 975 A, continuous (5)	20-750-PBAY-RHBB-975	
Empty Bay, RH Bus Bar, 1235 A, continuous (5)	20-750-PBAY-RHBB-1235	
Empty Bay, RH Bus Bar, 1625 A, continuous (5)	20-750-PBAY-RHBB-1625	
Empty Bay, RH Bus Bar, 2437 A, continuous (5)	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 (5)	20-750-PBAY-INS-3	
Right Mount Bus Bar, Installation Kit, DC Connection (5)	20-750-PBAY-INS-2	
Rear Drive Bus Bar, Cable Connection (3)	20-750-PBAY-RBRK-2	

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

Certifications and Specifications

This section provides information for certifications and specifications.

Certifications

Certification	Description
ABS	American Bureau of Shipping Certificate 11-HS743429
c-UL-us	Listed to UL508C and CSA22.2 No. 14 (does not apply to 21G drives with enclosure code K, P, W, or Y).
CE	In conformity with these European Directives EMC Directive EN 61800-3 Low Voltage Directive EN 61800-5-1 ATEX Directive (2014/34/EU) EC-Type-Examination Certificate Number TÜV 12 ATEX 7328 X EN 50495
SEMI F47	Certified compliant with the following standards SEMI F47 IEC 61000-4-34
EAC	Low Voltage TP TC 004/2011 EMC TP TC 020/2011
Efficiency Class	Ecodesign regulation (EU) 2019/1781, IE2 efficiency class, refer to PowerFlex AC Drive Performance Specifications per Ecodesign Regulation (EU) 2019/1781, publication PFLEX-TD003 for additional information.
Functional Safety	TÜV Rheinland – Certification applies to 20-750-S, 20-750-S1, 20-750-S3, and 20-750-S4 Safety Options when installed in drive. Standards applied EN 61800-3, EN 61508 PARTS 1-7 EN 61800-5-1, EN 62061 EN 61800-5-2, EN 60204-1 EN ISO 13849-1
KCC	R-R-RAA-Drive See the certificate of registration for specific drive catalog numbers that have this certification.(1)
Lloyd's Register	Lloyd's Register Type Approval Certificate 11/60008 (For drives manufactured before 6/28/2016)
Morocco	Compliance to NM EN 61800-5-1
UKCA	Compliance to EN 61800-3, EN 61800-5-1, EN IEC 63000
RCM	Australian Communications and Media Authority In conformity with the following items Radiocommunications Act:1992 (including Amendments up to 2018) Radiocommunications (Electromagnetic Compatibility) Standard 2017 Radiocommunications Labeling (Electromagnetic Compatibility) Notice 2017 Standards applied EN 61800-3

(1) See the product certifications website, http://www.rockwellautomation.com/global/certification/overview.page, for declarations of conformity, certificates, and other certification details.

Environmental Specifications

<table>
<tr><th>Category</th><th>Specification</th></tr>
<tr><td>Altitude</td><td>Based on load. See derating guidelines on pages 97…118.
Based on voltage. See this table and the footnotes that are based on EN61800-5-1 (Electro-thermal Safety Standard for drives).
<table>
<tr><th rowspan="2">System and Ground Configuration</th><th rowspan="2">Overvoltage Category(3)</th><th colspan="4">Altitude Limit Above Sea Level, m (ft) (4)(5)</th></tr>
<tr><th>208/240V AC</th><th>400/480V AC</th><th>600V AC</th><th>690V AC</th></tr>
<tr><td rowspan="2">Center grounded (Y neutral) (TT or TN-S)(1)</td><td>II (2)</td><td>9000 (29,527.5) (6)</td><td>9000 (29,527.5) (6)</td><td>7500 (24,606.3) (6)</td><td>7500 (24,606.3) (6)</td></tr>
<tr><td>III (3)</td><td>9000 (29,527.5) (6)</td><td>4800 (15,748.0)</td><td>4800 (15,748.0)</td><td>4800 (15,748.0)</td></tr>
<tr><td>Ungrounded, impedance (2) (IT)(1)</td><td>II (2)</td><td>9000 (29,527.5) (6)</td><td>4800 (15,748.0)</td><td>7500 (24,606.3) (6)</td><td>4800 (15,748.0)</td></tr>
<tr><td>Grounded, or corner grounded (2)</td><td>III (3)</td><td>4800 (15,748.0)</td><td>2000 (6,561.7)</td><td>4800 (15,748.0)</td><td>2000 (6,561.7)</td></tr>
</table>
(1) IEC Standard 60364
(2) In CE installations, Frame 1 drives do not support ungrounded or corner grounded configurations.
(3) Category II (Isolation Transformer Level) - Typically two levels of isolation or protection from outdoor power lines. Category III (most common) Distribution Level Inside a Building - Typically one level of isolation or protection from outdoor power lines.
(4) Excluding failure from cosmic radiation. Cosmic radiation increases rate of IGBT malfunction at altitudes greater than 3000 m (9842.6) above sea level. Concrete walls and ceilings or concrete walls and large bottles of water overhead are examples of ways to shield against cosmic radiation.
(5) Frame 1 drives are limited to a maximum of 2000 m (6,561.7 ft) thermally. See Derating Guidelines on page 89.
(6) Drive is limited to a maximum of 4800 m (15,748.0 ft) thermally. See Derating Guidelines on page 89.</td></tr>
<tr><td>Maximum surrounding air temperature</td><td></td></tr>
<tr><td>IP20, NEMA/UL Open Type</td><td>0…50 °C (32…122 °F)
Frames 1…5, all ratings</td></tr>
<tr><td>IP00, NEMA/UL Open Type</td><td>0…50 °C (32…122 °F)
0…40 °C (32…104 °F)
Frames 6 and 7, 12…456 A ratings
Frame 7, 477 A rating</td></tr>
<tr><td>IP20, NEMA/UL Type 1 (with hood)</td><td>0…40 °C (32…104 °F)
Frames 1…5, all ratings</td></tr>
<tr><td>IP20, NEMA/UL Type 1 (with label)</td><td>0…40 °C (32…104 °F)
Frames 6 and 7, all ratings</td></tr>
<tr><td>IP00, NEMA/UL Open Type</td><td>0…40 °C (32…104 °F) (1)
Frames 8…10, all ratings</td></tr>
<tr><td>IP20, NEMA/UL Type 1</td><td>0…40 °C (32…104 °F) (1)
Frames 8…10, all ratings</td></tr>
<tr><td>IP54, NEMA 12</td><td>0…40 °C (32…104 °F) (1)
Frames 8…10, all ratings</td></tr>
<tr><td>Flange mount – front</td><td></td></tr>
<tr><td>IP20, NEMA/UL Open Type</td><td>0…50 °C (32…122 °F)
Frames 2…5, all ratings</td></tr>
<tr><td>IP00, NEMA/UL Open Type</td><td>0…50 °C (32…122 °F)
0…40 °C (32…104 °F)
Frames 6 and 7, 12…456 A ratings
Frame 7, 477 A rating</td></tr>
<tr><td>Back/Heat sink</td><td></td></tr>
<tr><td>IP66, NEMA/UL Type 4X</td><td>0…40 °C (32…104 °F
Frames 2…7, all ratings</td></tr>
<tr><td>Stand-alone/Wall-mount</td><td></td></tr>
<tr><td>IP54, NEMA/UL Type 12</td><td>0…40 °C (32…104 °F)
Frames 2…7, all ratings</td></tr>
<tr><td>Storage temperature (all constructions)</td><td>-40…70 °C (-40…158 °F)</td></tr>
<tr><td>Atmospheric protection</td><td>IMPORTANT: Do not install the drive in an area where the ambient atmosphere contains volatile or corrosive gas, vapors, or dust. If the drive is not going to be installed right away, store the drive in an area where it is not exposed to a corrosive atmosphere.</td></tr>
<tr><td>IEC</td><td>Conformity with IEC 60721-3-3, 3C3 and 3S2, for components manufactured by Rockwell Automation.
A suitable IP54, UL Type 12 Cabinet is required to meet the 3S2 requirement.</td></tr>
<tr><td>UV radiation</td><td>The HIM and IP54, NEMA/UL Type 12 drive plastics are not UV rated.</td></tr>
<tr><td>Relative humidity</td><td>5…95% noncondensing</td></tr>
</table>

Environmental Specifications (Continued)

Category	Specification			
Shock – operating	Frames 1…6 Frame 7 Frames 8…10	15 g peak for 11 ms duration (±1.0 ms) 10 g peak for 11 ms duration (±1.0 ms) Power core – 10 g peak for 11 ms duration (±1.0 ms) in cabinet with option bay – 5 g peak for 11 ms duration (±1.0 ms)		
Shock – packaged for shipment	Frames 1 and 2 Frames 3 and 4 Frame 5 Frames 6…10	381 mm (15 in.) drop height 330 mm (13 in.) drop height 305 mm (12 in.) drop height Meets International Safe Transit Association (ISTA) test procedure 2B		
Vibration – operating	Frames 1 and 2 Frames 3…5 Frames 6 and 7 Frames 8…10	1.000 mm (0.040 in.) displacement, 2 g peak 1.000 mm (0.040 in.) displacement, 1.5 g peak 1.000 mm (0.040 in.) displacement, 1 g peak Power core, drive in cabinet with option bay – 1.000 mm (0.040 in.) displacement, 1 g peak		
Vibration – packaged for shipment, sinusoidal loose load	Frames 1…5 Frames 6…10	20.0 mm (0.8 in.) peak to peak, 2…5.186 Hz; 1.1 g peak from 5.186…20 Hz Meets ISTA 2B packaging standards		
Vibration – packaged for shipment, random secured		Frequency (Hz)	PSD (g^2/Hz)	
	Frames 1…5	1 4 16 40 80 200	0.00005 0.01 0.01 0.001 0.001 0.00001	
	Frames 6…10	Meets International Safe Transit Association (ISTA) test procedure 2B.		
Required airflow	Frame	Total fan airflow	Frame	Total fan airflow
	1 and 2	84.95 m^3/h (50 CFM)	7	1284.45 m^3/h (756 CFM)
	3	135.92 m^3/h (80 CFM)	8	2293.67 m^3/h (1350 CFM)
	4	543.68 m^3/h (320 CFM)	9	4587.33 m^3/h (2700 CFM)
	5	883.49 m^3/h (520 CFM)	10	6880.99 m^3/h (4050 CFM)
	6	856.30 m^3/h (504CFM)		
Sound **IMPORTANT**: Sound pressure level is measured at 2 m (6.7 ft).	Frame	Sound level	Frame	Sound level
	1 and 2	63 dB	7	74 dB
	3	64 dB	8	79 dB
	4	72 dB	9	79 dB
	5	77 dB	10	83 dB
	6	73 dB		
Surrounding environment pollution degree Pollution Degree 1 and 2 Pollution Degree 3 and 4	See page 158 for descriptions of each pollution degree rating. All enclosures acceptable. Enclosure that meets or exceeds IP54, NEMA/UL Type 12 required.			

(1) Maximum surrounding air temperature of 50 °C (122 °F) with derating. See Derating Guidelines on page 89.

Technical Specifications

Category	Specification						
Protection		**Motor Voltage**					
		200/208V	**240V**	**380/400V**	**480V**	**600V**	**690V**
	AC input overvoltage trip	288V AC	288V AC	576V AC	576V AC	714V AC (Frames 3…5) 825V AC (Frames 6…7)	825V AC
	AC input undervoltage trip	125V AC	150V AC	250V AC	300V AC	360V AC	430V AC
	Bus overvoltage trip	408V DC	408V DC	815V DC	815V DC	1013V DC (Frames 3…5) 1172V DC (Frames 6…7)	1172V DC
	Bus undervoltage shutoff Frames 1…7 Frames 8…10	 150V DC —	 150V DC —	 200V DC 400V DC	 200V DC 400V DC	 200V DC (Frames 3…7) 400V DC	 200V DC (Frames 6 and 7) 400V DC
	Nominal bus voltage (full load)	281V DC	324V DC	540V DC	648V DC	810V DC	932V DC
	Drive overcurrent trip Software overcurrent trip Instantaneous current limit Hardware overcurrent trip	 200% of drive rated 100% of 3 s rating (158…210%) 143% of 3 s rating (215…287%)					
	Line transients	Up to 6000V peak per IEEE C62.41-1991					
	Control logic noise immunity	Showering arc transients up to 1500V peak					
	Power ride-through	15 ms at full load					
	Logic control ride-through	0.5 s min, 2 s typical					
	Ground fault trip	Phase-to-ground on drive output					
	Short circuit trip	Phase-to-phase on drive output					

Technical Specifications (Continued)

Category	Specification			
Electrical	AC input voltage tolerance	See Input Voltage Tolerance on page 84 for full power and operating range.		
	Frequency tolerance	47…63 Hz		
	Input phases	Three-phase input provides full rating for all drives. For Frames 1…7 (output current up to 456 A), single-phase operation provides up to 50% of rated current at 25 °C (77 °F) surrounding temperature. Single-phase operation is not recommended for Frames 8 and larger.		
	DC input voltage tolerance	±10% of nominal bus voltage (see Nominal bus voltage (full load) on page 81)		
	Displacement power factor	0.98 across entire speed range		
	DC link impedance	≤ 4%		
	Efficiency	97.5% at rated amps, nominal line volts		
	Maximum short circuit rating	200,000 A RMS symmetrical (20F and 20G drives only)		
	Actual short circuit rating	Determined by A1C rating of installed fuse/circuit breaker. See page 143 for 21G drives.		
	Drive to motor power ratio Min Max	 Recommended not less than 1:2 ratio Recommended not greater than 2:1 ratio		
	Brake IGBT rating	100% of motor-rated torque		
	Control POD current draw	5 A		
	Digital inputs Nominal Maximum High state Low state	DC 24V DC 30V DC 20…24V DC 0…5V DC	AC 120V AC 132V AC 100…132V AC 0…30V AC	
	PTC inputs Standard Trip resistance Nominal resistance Reset resistance Short circuit trip resistance	PowerFlex 753 MCB N/A (1) 3.1 kΩ 1.8 kΩ 2.2 kΩ N/A (2)	22-Series I/O option module DIN 44082 3.1 kΩ 1.8 kΩ 2.2 kΩ 80 Ω	ATEX option module for 11-Series I/O option module IEC 6094-8 3.2 kΩ 1.6 kΩ N/A (3) 100 Ω
	Battery	User-installed CR1220 lithium coin cell battery provides power to the real-time clock (optional, not supplied). Preserves the clock setting in the event power to the drive is lost or cycled. Approximate life is 4.5 years with drive unpowered, or lifetime if drive is powered.		

(1) Not designed to a standard.
(2) No short circuit fault.
(3) No hysteresis, fault is latched.

Technical Specifications (Continued)

Category	Specification	
Control	Method	Sine coded PWM with programmable carrier frequency. Ratings apply to all drives.
	Carrier frequency	Default settings Frames 1…3 4 kHz Frames 4…10 2 kHz Settings Frames 1…6 2, 4, 8, 12 kHz (1) (2) Frame 7 2, 4, 8 kHz (1) Frames 8…10 2, 4 kHz
	Output voltage range	0 to rated motor voltage
	Output frequency range	0…325 Hz at 2 kHz carrier 0…590 Hz at 4 kHz carrier
	Frequency accuracy Digital input Analog input	 Within ±0.01% of set output frequency Within ±0.4% of maximum output frequency
	Frequency control	Speed regulation – with slip compensation (V/Hz and Sensorless Vector modes) 0.5% of base speed across 40:1 speed range, 40:1 operating range
	Speed control	Without feedback (Flux Vector mode), 0.1% of base speed across 100:1 speed range, 120:1 operating range, 50 rad/s bandwidth
		With feedback (Flux Vector mode), 0.001% of base speed across 100:1 speed range, 1000:1 operating range, 190 rad/s bandwidth
	Torque regulation	Without feedback (Flux Vector mode), ±5%, 600 rad/s bandwidth
		With feedback (Flux Vector mode), ±2%, 2500 rad/s bandwidth
	Selectable motor control	• Standard V/Hz with full custom capability • Sensorless Vector mode with full tuning • Flux Vector mode with and without a feedback device • Induction motor control • Surface-mount permanent magnet motor control with encoder feedback (Frames 1…10)(3) • Surface-mount permanent magnet motor control without encoder feedback (Frames 1…7)(3) • Internal permanent-magnet motor control with encoder feedback (Frames 1…10) • Internal permanent-magnet motor control without encoder feedback (Frames 1…7)
	Stop modes	Multiple programmable stop modes including - Ramp, Coast, DC-Brake, Ramp-to-Hold, Fast Braking, and Current Limit Stop.
	Accel/Decel	Two independently programmable accel and decel times. Each time can be programmed from 0…3600 seconds in 0.1 second increments (0 to motor nameplate speed).
	S-curve time	Adjustable from 0…100% of ramp time (normal duty rating)
	Intermittent overload Light duty (only Frames 8…10)	 110% overload capability for up to 1 min out of 10 mins
	Normal duty	110% overload capability for up to 1 min out of 10 mins 150% overload capability for up to 3 s out of 60 s
	Heavy duty	150% overload capability for up to 1 min out of 10 mins 180% overload capability for up to 3 s out of 60 s
	Current limit capability	Proactive current limit programmable from 20…160% of rated output current. Independently programmable proportional and integral gain.
	Electronic motor overload protection	Class 10 motor overload protection according to NEC article 430 and motor over-temperature protection according to NEC article 430.126 (A)(2). UL 508C File E59272.

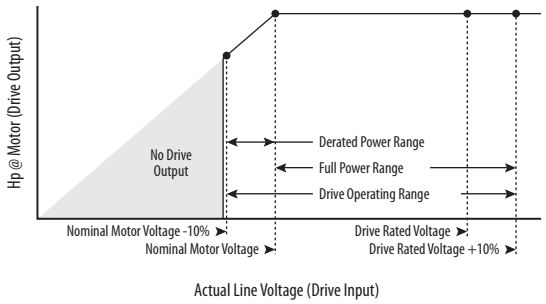
(1) Frames 6 and 7 600/690V AC input drives can be set to 2 kHz or 4 kHz.
(2) Frames 3…5 600/690V AC input drives can be set to 2, 4, or 8 kHz.
(3) Only PowerFlex 755 drives.

Design Considerations

This section provides information for design considerations.

Input Voltage Tolerance

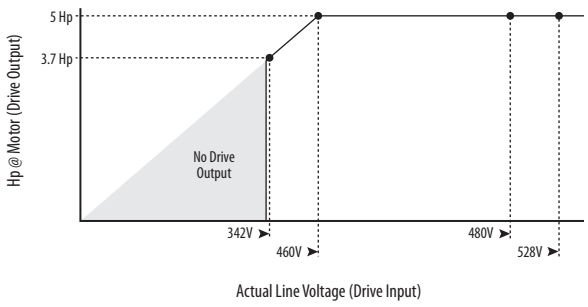
Drive Rating	Nominal Line Voltage	Nominal Motor Voltage	Drive Full Power Range	Drive Operating Range
200…240	200	200	200…264	180…264
	208	208	208…264	
	240	230	230…264	
380…480	380	380	380…528	342…528
	400	400	400…528	
	480	460	460…528	
600…690	600	575	575…759	517…759
	690	660	660…759	
Drive full power range =	Nominal motor voltage to drive-rated voltage + 10%. Rated current is available across the entire drive full-power range.			
Drive operating range =	Lowest nominal motor voltage - 10% to drive-rated voltage + 10%. Drive output is linearly created when actual line voltage is less than the nominal motor voltage			



EXAMPLE Calculate the maximum power of a 5.0 Hp, 460V motor connected to a 480V-rated drive supplied with 342V actual line voltage input.

- Actual line voltage/nominal motor voltage = 74.3%
- 74.3% x 5.0 Hp = 3.7 Hp
- 74.3% x 60 Hz = 44.6 Hz

At 342V actual line voltage, the maximum power the 5.0 Hp, 460V motor can produce is 3.7 Hp at 44.6 Hz.



IMPORTANT For maximum protection of the drive and its internal components, we recommend the use of semiconductor fuses to other methods of circuit protection. Semiconductor fuses reduce the risk of drive damage from power quality events and improves machine and process utilization.

Approximate Watts Loss

The following table lists watts loss data for PowerFlex 750-Series drives running at full load, full speed, and default carrier frequency.

Internal watts are the watts that the control structure of the drive dissipates into the cabinet, regardless of mounting style. External watts are the watts that are dissipated directly through the heatsink and are outside the cabinet for flange mount, and inside the cabinet for other mounting types.

Watts Loss for 208/240V Drives

Drive Cat. No. (1)(2)	Normal Duty		External Watts (3)	Internal Watts (3)	Total Watts (3)	Drive Cat. No. (1)(2)	Normal Duty		External Watts (3)	Internal Watts (3)	Total Watts (3)
	kW	Continuous Output Amps (3)					Hp	Continuous Output Amps			
208V						**240V**					
20x…B2P2	0.37	2.5	34 (23)	57 (57)	91 (80)	20x…B2P2	0.5	2.2	29 (20)	61 (56)	90 (76)
20x…B4P2	0.75	4.8	63 (46)	60 (62)	124 (108)	20x…B4P2	1	4.2	52 (40)	63 (60)	115 (100)
20x…B6P8	1.5	7.8	80 (72)	64 (75)	144 (147)	20x…B6P8	2	6.8	67 (61)	66 (71)	133 (132)
20x…B9P6	2.2	11	110 (99)	70 (82)	180 (181)	20x…B9P6	3	9.6	92 (84)	71 (76)	163 (160)
20x…B015	4	17.5 (15.3)	169 (157)	76 (79)	245 (236)	20x…B015	5	15.3	141 (158)	76 (80)	217 (238)
20x…B022	5.5	22	237	87	324	20x…B022	7.5	22	240	92	331
20x…B028	7.5	32.2	328	104	432	20x…B028	10	28	272	98	370
20x…B042	11	43	459	122	581	20x…B042	15	42	458	125	583
20x…B054	15	60	505	132	637	20x…B054	20	54	439	128	567
20x…B070	18.5	78.2	643	152	796	20x…B070	25	70	557	146	703
20x…B080	22	92	788	181	969	20x…B080	30	80	653	163	816
20x…B104	30	120	1054	274	1327	20x…B104	40	104	874	252	1126
20x…B130	37	150	1184	266	1449	20x…B130	50	130	997	248	1245
20x…B154	45	177	1492	317	1808	20x…B154	60	154	1250	288	1538
20x…B192	55	221	1921	403	2324	20x…B192	75	192	1597	355	1952
20x…B260	66	260	2418	499	2917	20x…B260	100	260	2426	513	2939
20x…B312	90	359	3120	561	3681	20x…B312	125	312	2602	491	3094
20x…B360	110	414	3384	646	4029	20x…B360	150	360	2817	557	3373
20x…B477	132	477	4135	789	4924	20x…B477	200	477	4156	810	4966

(1) Select the watts loss based on the catalog number.
(2) Frames 8…10, enclosure codes B, J, L, P, and W.
(3) Frame 1 watts loss in parentheses.

Watts Loss for 400/480V Drives

Drive Cat. No. [1][2]	Normal Duty		External Watts [3]	Internal Watts [3]	Total Watts [3]	Drive Cat. No. [1][2]	Normal Duty		External Watts [3]	Internal Watts [3]	Total Watts [3]
	kW	Continuous Output Amps					Hp	Continuous Output Amps			
400V						**480V**					
20x…C2P1	0.75	2.1	16 (16)	55 (56)	71 (72)	20x…D2P1	1.0	2.1	17 (21)	60 (61)	77 (82)
20x…C3P5	1.5	3.5	26 (33)	57 (60)	83 (93)	20x…D3P4	2.0	3.4	27 (39)	61 (64)	88 (103)
20x…C5P0	2.2	5	39 (44)	58 (62)	97 (106)	20x…D5P0	3.0	5	41 (54)	63 (67)	104 (121)
20x…C8P7	4.0	8.7	75 (79)	64 (80)	139 (159)	20x…D8P0	5.0	8	71 (91)	68 (82)	139 (173)
20x…C011	5.5	11.5	108 (107)	70 (85)	178 (192)	20x…D011	7.5	11	108 (118)	74 (88)	182 (206)
20x…C015	7.5	15.4	161 (166)	80 (80)	241 (246)	20x…D014	10	14	149 (152)	81 (81)	230 (233)
20x…C022	11	22	225	86	311	20x…D022	15	22	237	91	328
20x…C030	15	30	300	103	403	20x…D027	20	27	273	101	374
20x…C037	18.5	37	362	115	477	20x…D034	25	34	368	115	483
20x…C043	22	43	505	126	631	20x…D040	30	40	503	126	629
20x…C060	30	60	487	130	617	20x…D052	40	52	422	125	547
20x…C072	37	72	615	147	762	20x…D065	50	65	559	144	703
20x…C085	45	85	705	162	867	20x…D077	60	77	646	158	804
20x…C104	55	104	928	201	1129	20x…D096	75	96	855	189	1044
20x…C140	75	140	1239	319	1558	20x…D125	100	125	1109	299	1408
20x…C170	90	170	1381	300	1681	20x…D156	125	156	1299	294	1593
20x…C205	110	205	1893	381	2274	20x…D186	150	186	1718	358	2076
20x…C260	132	260	2449	502	2951	20x…D248	200	248	2384	492	2876
20x…C302	160	302	2566	461	3027	20x…D302	250	302	2704	491	3195
20x…C367	200	367	3322	586	3908	20x…D361	300	361	3409	606	4015
20x…C456	250	456	3922	743	4665	20x…D415	350	415	3604	683	4287
2xG…C460	250	460	4779	1090	5869	2xG…D430	350	430	4385	971	5356
20x…C477	270	477	4199	793	4992	20x…D477	400	477	4392	828	5220
2xG…C540	315	540	5316	1216	6532	2xG…D485	400	485	5091	1126	6217
2xG…C567	315	567	5652	1298	6950	2xG…D545	450	545	5649	1253	6902
2xG…C650	355	650	7011	1577	8588	2xG…D617	500	617	6942	1489	8431
2xG…C750	400	750	7577	1726	9303	2xG…D710	600	710	7631	1659	9290
2xG…C770	400	770	8086	1848	9934	2xG…D740	650	740	8133	1776	9909
2xG…C910	500	910	9155	2251	11406	2xG…D800	700	800	8710	2216	10926
2xG…C1K0	560	1040	9732	2357	12089	2xG…D960	800	960	9696	2391	12087
2xG…C1K1	630	1090	10745	2548	13293	2xG…D1K0	900	1045	10784	2589	13373
2xG…C1K2	710	1175	13778	2978	16756	2xG…D1K2	1000	1135	13378	2899	16277
2xG…C1K4	800	1465	13959	3013	16973	2xG…D1K3	1100	1365	14055	3025	17080
2xG…C1K5	850	1480	15441	3308	18749	2xG…D1K4	1250	1420	15573	3314	18887
2xG…C1K6	900	1590	15569	3717	19286	2xG…D1K5	1350	1525	15619	3779	19398
2xG…C2K1	1250	2150	22320	4790	27110	2xG…D2K0	1750	2070	22495	4802	27297

(1) Select the watts loss based on the catalog number.
(2) Frames 8…10, enclosure codes B, J, L, P, and W.
(3) Frame 1 watts loss in parentheses.

Watts Loss for 600/690V Drives

Drive Cat. No. (1)(2)	Normal Duty		External Watts	Internal Watts	Total Watts	Drive Cat. No. (1)(2)	Normal Duty		External Watts	Internal Watts	Total Watts
	kW	Continuous Output Amps					Hp	Continuous Output Amps			
690V						**600V**					
						20x…E1P7	1.0	1.7	23	15	38
						20x…E2P7	2.0	2.7	40	17	57
						20x…E3P9	3.0	3.9	51	18	69
						20x…E6P1	5.0	6.1	80	22	103
						20x…E9P0	7.5	9	122	29	150
						20x…E011	10	11	152	34	186
20x…F012	7.5	12	169	50	219	20x…E012	10	12	168	50	217
						20x…E017	15	17	249	54	302
20x…F015	11	15	226	56	282	20x…E018	15	18	269	61	331
						20x…E022	20	22	329	74	403
20x…F020	15	20	296	65	361	20x…E023	20	23	332	70	403
20x…F023	18.5	23	327	70	397	20x…E024	20	24	326	71	397
						20x…E027	25	27	411	84	494
20x…F030	22	30	428	85	513	20x…E028	25	28	375	79	453
						20x…E032	30	32	503	105	608
20x…F034	30	34	478	94	573	20x…E033	30	33	439	90	528
						20x…E041	40	41	590	128	718
20x…F046	37	46	649	126	775	20x…E042	40	42	555	112	667
						20x…E052	50	52	784	176	959
20x…F050	45	50	699	138	836	20x…E053	50	53	711	144	855
20x…F061	55	61	760	130	891	20x…E063	60	63	757	132	889
20x…F082	75	82	1044	182	1226	20x…E077	75	77	935	166	1101
20x…F098	90	98	1310	231	1541	20x…E099	100	99	1269	229	1499
20x…F119	110	119	1658	302	1961	20x…E125	125	125	1678	318	1996
20x…F142	132	142	2003	387	2391	20x…E144	150	144	1960	389	2349
20x…F171	160	171	2655	389	3044	20x…E192	200	192	2801	433	3234
20x…F212	200	212	3375	513	3889	20x…E242	250	242	3642	593	4235
20x…F263	250	263	4286	690	4976	20x…E289	300	289	4437	762	5200
2xG…F265	250	265	4314	996	5310	2xG…E295	300	295	4592	1030	5622
2xG…F330	315	330	5160	1127	6287	2xG…E355	350	355	5191	1131	6321
2xG…F370	355	370	5803	1233	7036	2xG…E395	400	395	5812	1240	7052
2xG…F415	400	415	5865	1211	7076	2xG…E435	450	435	5590	1163	6753
2xG…F460	450	460	6638	1337	7975	2xG…E460	500	460	6407	1301	7708
2xG…F500	500	500	7117	1417	8534	2xG…E510	500	510	6946	1396	8342
2xG…F590	560	590	8941	2077	11019	2xG…E595	600	595	8903	2053	10956
2xG…F650	630	650	9865	2220	12085	2xG…E630	700	630	9942	2225	12167
2xG…F710	710	710	11136	2425	13561	2xG…E760	800	760	11093	2424	13517
2xG…F765	750	765	11139	2368	13507	2xG…E825	900	825	11046	2342	13389
2xG…F795	800	795	12663	2611	15275	2xG…E900	950	900	12225	2539	14764
2xG…F960	900	860	13608	2767	16375	2xG…E980	1000	980	13211	2709	15920
2xG…F1K0	1000	1040	16147	3545	19692	2xG…E1K1	1100	1110	16169	3552	19720
2xG…F1K4	1400	1400	19716	4034	23750	2xG…E1K4	1400	1430	19256	3966	23222

(1) Select the watts loss based on the catalog number.
(2) Frames 8…10, enclosure codes B, L, P, and W.

Additional Watts Loss for Cabinet Options Bay

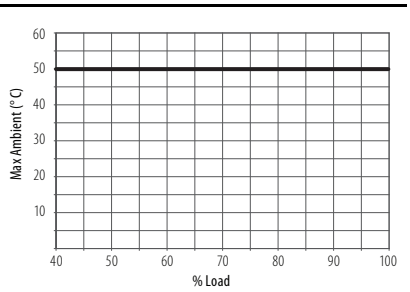
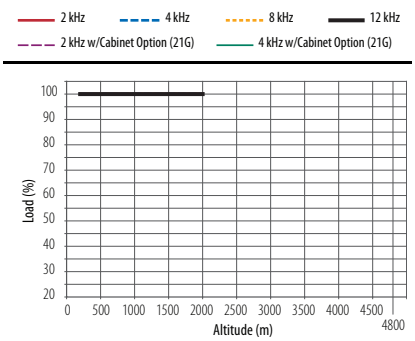
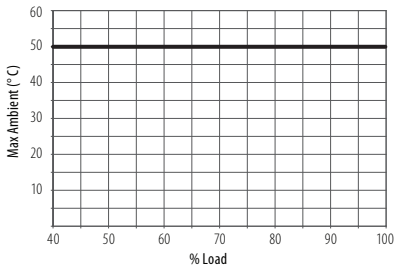
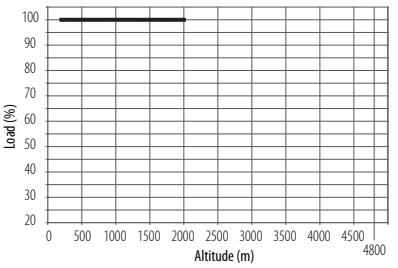
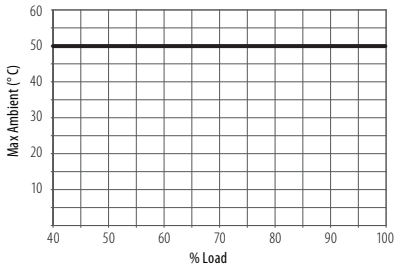
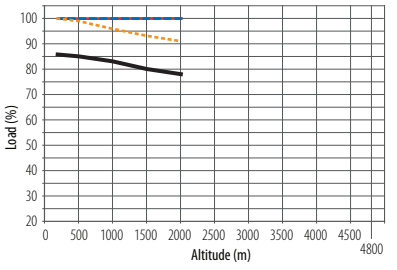
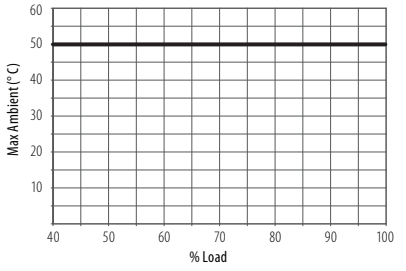
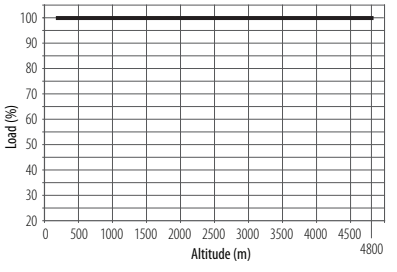
Drive Cat. No. [1]	Normal Duty		Cabinet Options Bay		Drive Cat. No. [1]	Normal Duty		Cabinet Options Bay	
	kW	Continuous Output Amps	Without Input or Output Line Reactor (Watts) [2]	With Input or Output Line Reactor (Watts) [2]		Hp	Continuous Output Amps	Without Input or Output Line Reactor (Watts) [2]	With Input or Output Line Reactor (Watts) [2]
400V					**480V**				
21G…C460	250	460	219	626	21G…D430	350	430	177	652
21G…C540	315	540	256	735	21G…D485	400	485	204	652
21G…C567	315	567	280	792	21G…D545	450	545	239	725
21G…C650	355	650	359	1123	21G…D617	500	617	295	983
21G…C750	400	750	404	1549	21G…D710	600	710	355	1410
21G…C770	400	770	441	1692	21G…D740	650	740	388	1542
21G…C910	500	910	327	2425	21G…D800	700	800	246	1867
21G…C1K0	560	1040	350	2651	21G…D960	800	960	364	2325
21G…C1K1	630	1090	384	2912	21G…D1K0	900	1045	353	2677
21G…C1K2	710	1175	446	3384	21G…D1K2	1000	1135	416	3158
21G…C1K4	800	1465	662	3520	21G…D1K3	1100	1365	574	3056
21G…C1K5	850	1480	675	3593	21G…D1K4	1250	1420	622	3307
690V					**600V**				
21G…F265	250	265	266	1090	21G…E295	300	295	233	838
21G…F330	315	330	304	1067	21G…E355	350	355	289	902
21G…F370	355	370	343	1288	21G…E395	400	395	328	759
21G…F415	400	415	379	1547	21G…E435	450	435	354	1208
21G…F460	450	460	240	1195	21G…E460	500	460	379	1327
21G…F500	500	500	251	1315	21G…E510	500	510	410	1450
21G…F590	560	590	134	2617	21G…E595	600	595	136	1659
21G…F650	630	650	162	3175	21G…E630	700	630	153	1860
21G…F710	710	710	194	2362	21G…E760	800	760	222	2706
21G…F765	750	765	225	2742	21G…E825	900	825	269	3196
21G…F795	800	795	243	2961	21G…E900	950	900	320	2372
21G…F960	900	960	364	2699	21G…E980	1000	980	310	2744

(1) Select the watts loss based on the catalog number.
(2) For MCC power bus options, add the following watts: 1250 A power bus = 188 watts; 2000 A power bus = 261 watts; 3200 A power bus = 421 watts.

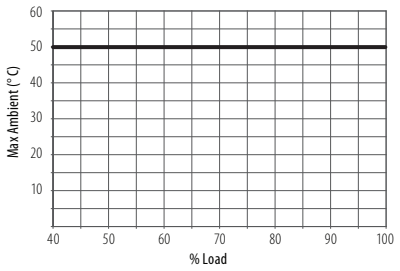
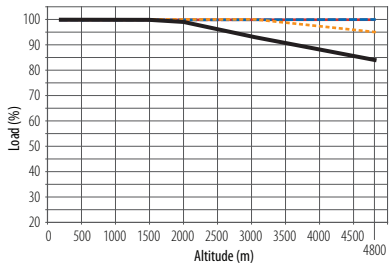
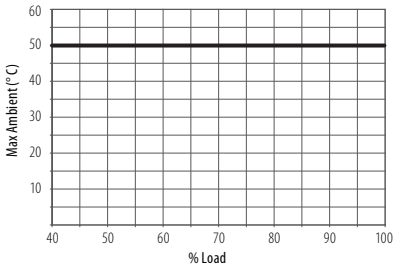
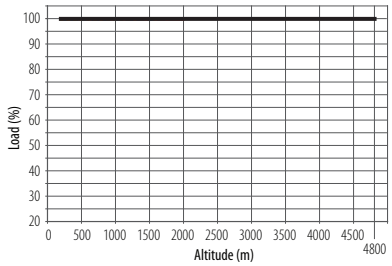
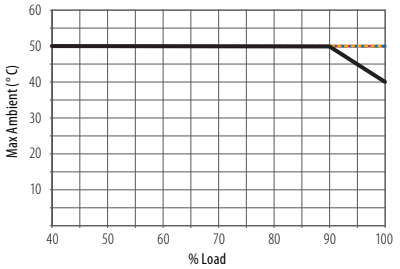
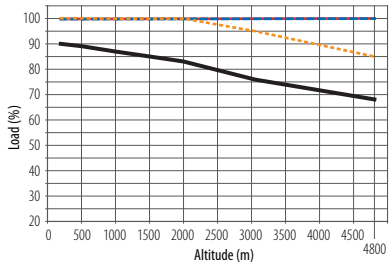
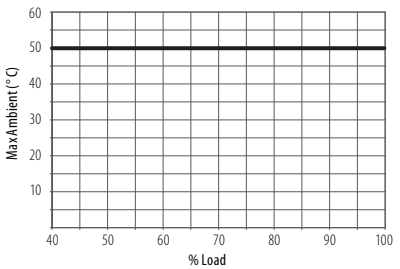
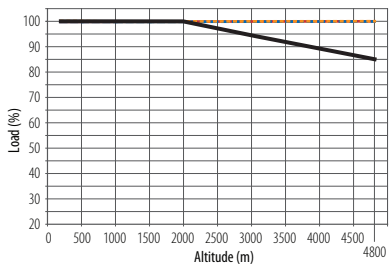
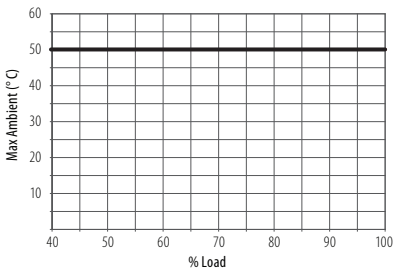
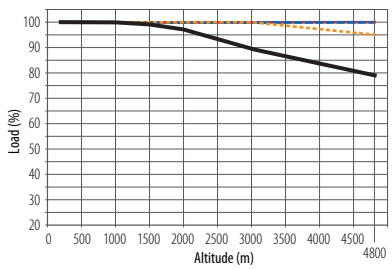
Derating Guidelines

If a catalog number is not shown, you can operate that drive without derating as long as the limits specified on page 79 and page 80 are followed.

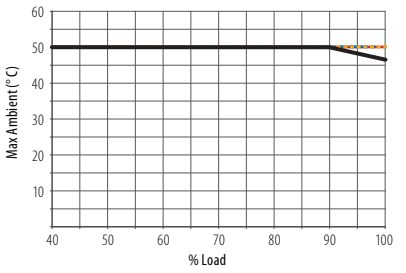
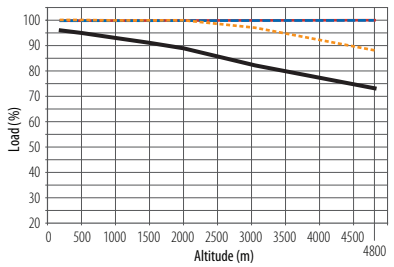
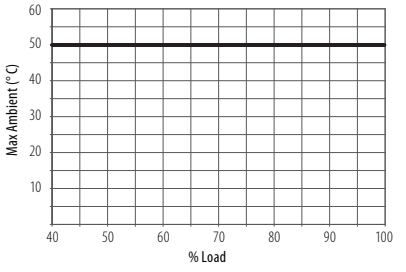
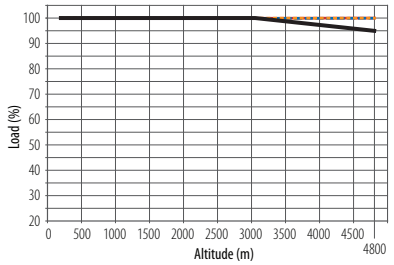
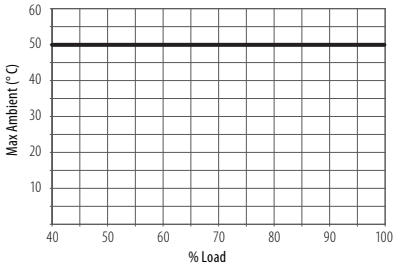
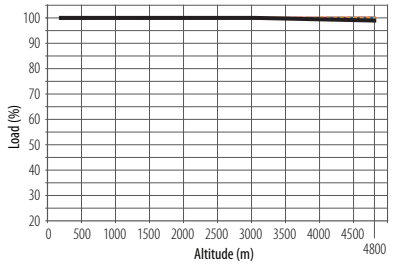
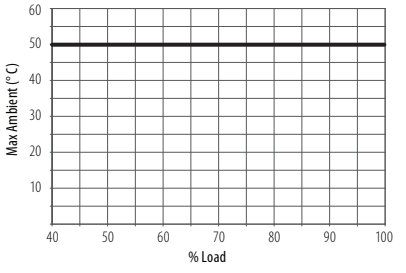
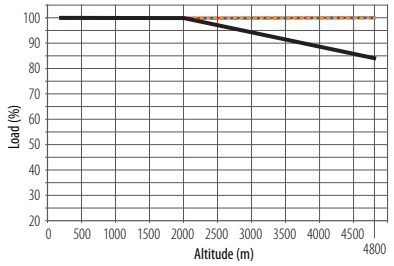
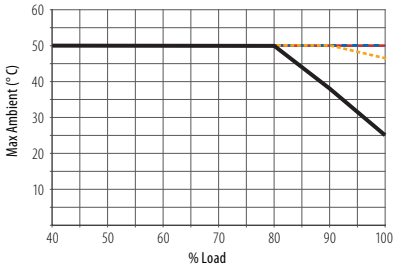
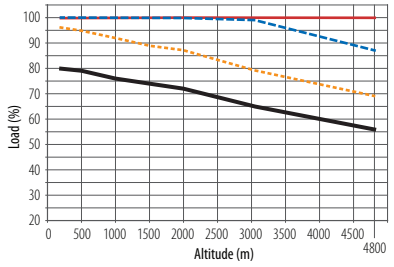
Ambient Temperature/Load and Altitude/Load – 208V AC (Frames 1…7)

Cat. No. (see page 5)	208V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)[1]	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	kW	Cont. Amps	kW	Cont. Amps	kW	Cont. Amps		
20x…B6P8 (Frame 1)	–	–	1.5	7.8	0.75	4.8		
20x…B9P6 (Frame 1)	–	–	2.2	11	1.5	7.8		
20x…B015 (Frame 1)	–	–	4	15.3	2.2	11		
20x…B015 (Frame 2)	–	–	4	17.5	2.2	11		

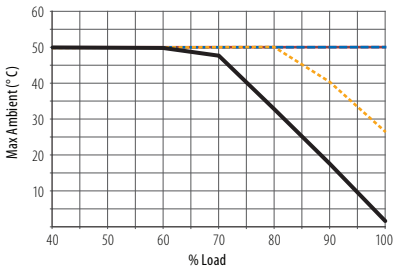
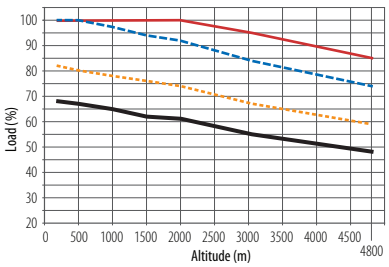
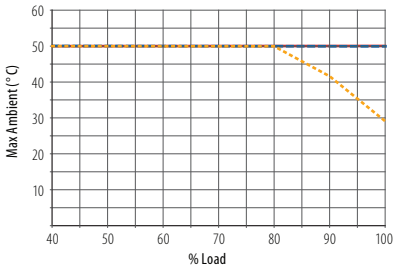
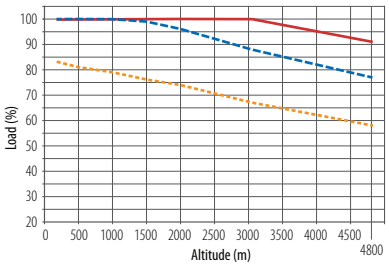
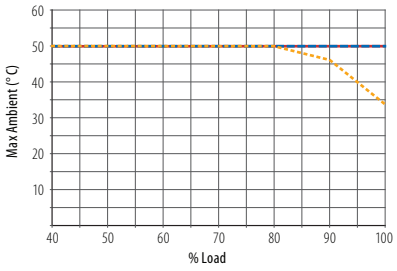
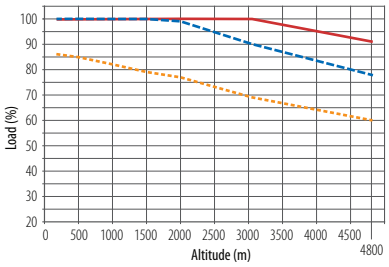
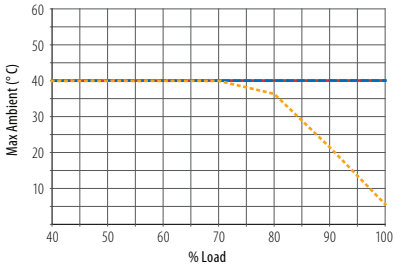
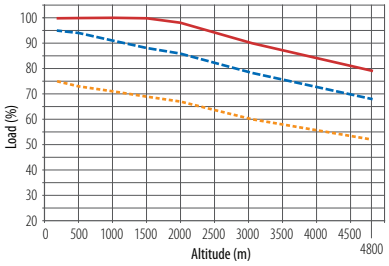
Ambient Temperature/Load and Altitude/Load – 208V AC (Frames 1…7) (Continued)

Cat. No. (see page 5)	208V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)[1]	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	kW	Cont. Amps	kW	Cont. Amps	kW	Cont. Amps		
20x…B022	–	–	5.5	22	4	17.5		
20x…B028	–	–	7.5	32.2	5.5	22		
20x…B042	–	–	11	43	7.5	32.2		
20x…B054	–	–	15	60	11	43		
20x…B070	–	–	18.5	78.2	15	60		

Ambient Temperature/Load and Altitude/Load – 208V AC (Frames 1…7) (Continued)

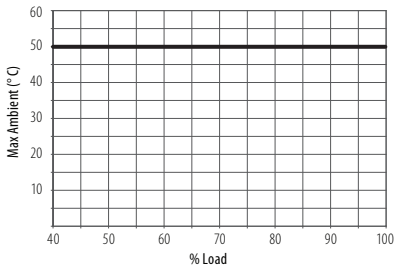
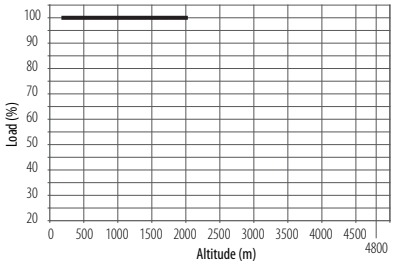
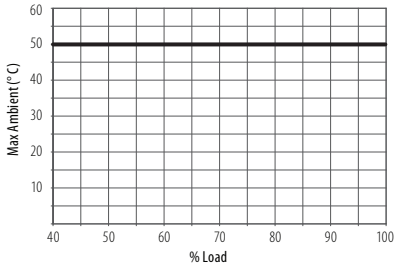
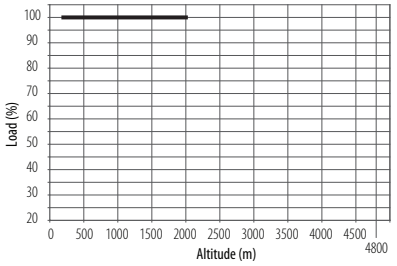
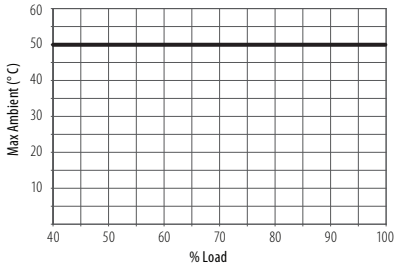
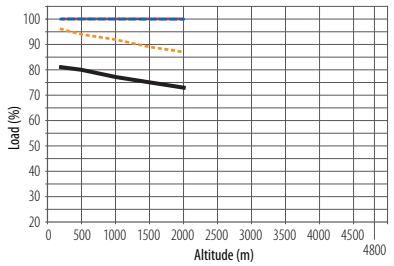
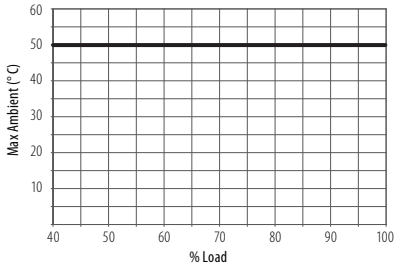
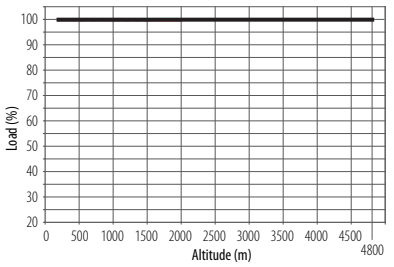
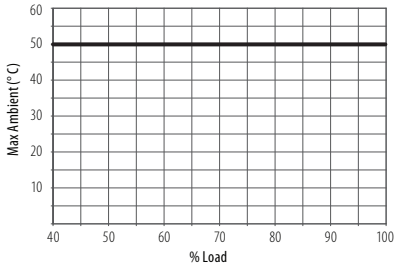
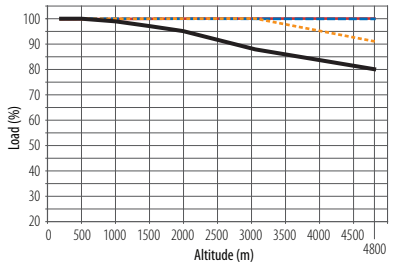
Cat. No. (see page 5)	208V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)[1]	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	kW	Cont. Amps	kW	Cont. Amps	kW	Cont. Amps		
20x…B080	–	–	22	92	18.5	78.2		
20x…B104	–	–	30	120	22	92		
20x…B130	–	–	37	1550	30	120		
20x…B154	–	–	45	177	37	150		
20x…B192	–	–	55	221	45	177		

Ambient Temperature/Load and Altitude/Load – 208V AC (Frames 1…7) (Continued)

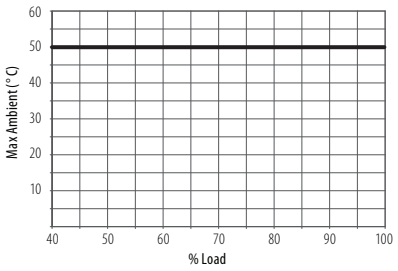
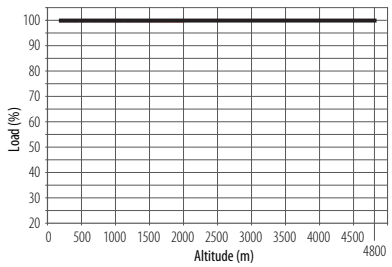
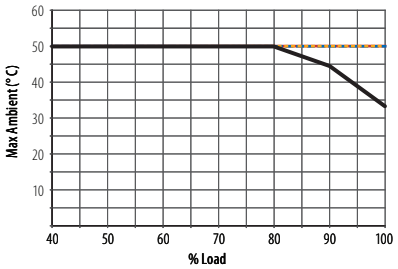
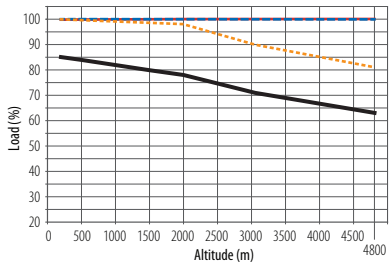
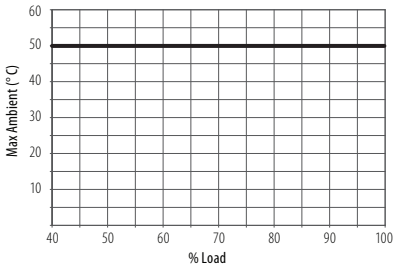
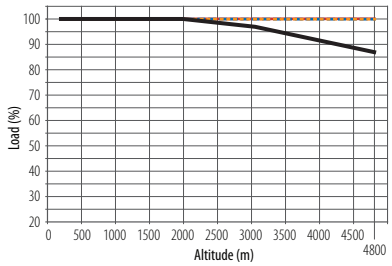
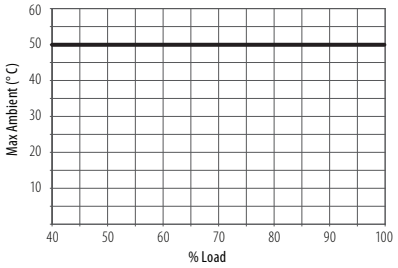
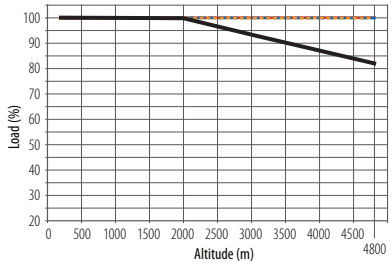
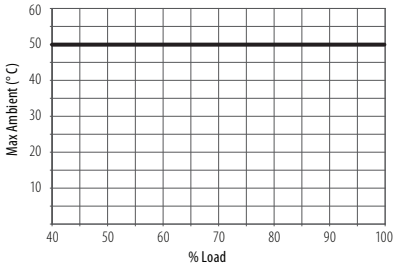
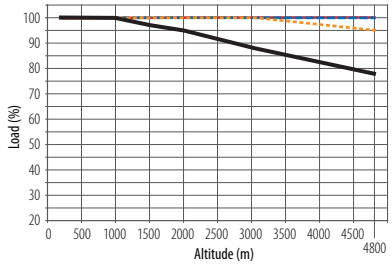
Cat. No. (see page 5)	208V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)(1)	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	kW	Cont. Amps	kW	Cont. Amps	kW	Cont. Amps		
20x…B260	–	–	66	260	55	221		
20x…B312	–	–	90	359	66	260		
20x…B360	–	–	110	414	90	359		
20x…B477	–	–	132	477	90	359		

(1) Other enclosure types follow the same derating, while not exceeding, the maximum surrounding air temperature listed in Environmental Specifications on page 79.

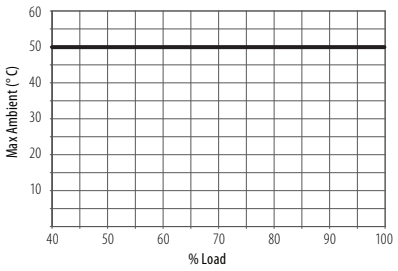
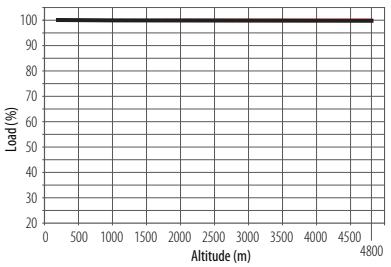
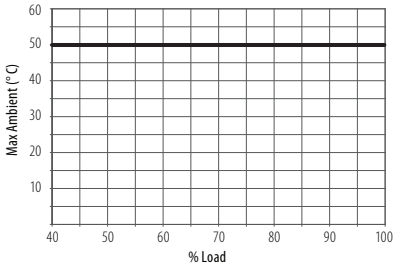
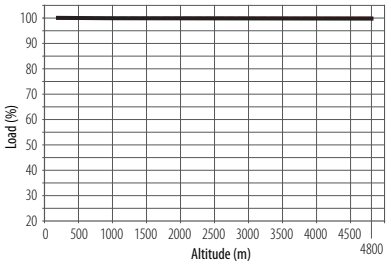
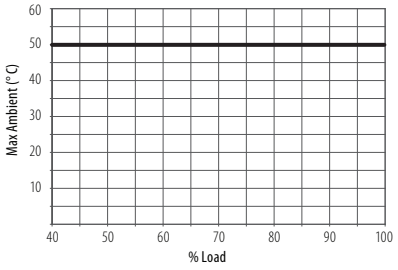
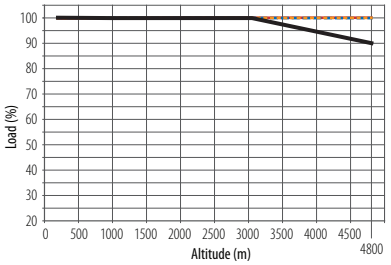
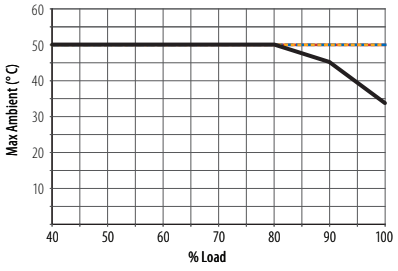
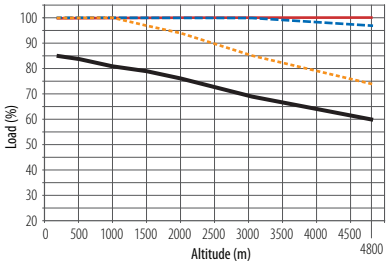
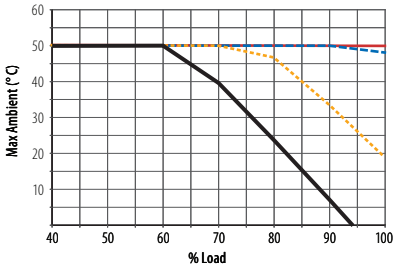
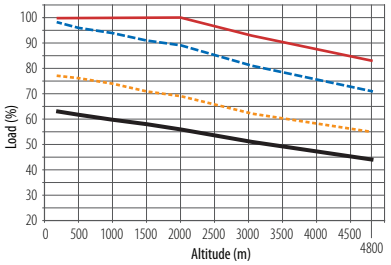
Ambient Temperature/Load and Altitude/Load – 240V AC (Frames 1…7)

Cat. No. (see page 5)	240V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)[1]	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	Hp	Cont. Amps	Hp	Cont. Amps	Hp	Cont. Amps		
20x…B6P8 (Frame 1)	–	–	2	6.8	1	4.2		
20x…B9P6 (Frame 1)	–	–	3	9.6	2	6.8		
20x…B015 (Frame 1)	–	–	5	15.3	3	9.6		
20x…B015 (Frame 2)	–	–	5	15.3	3	9.6		
20x…B022	–	–	7.5	22	5	15.3		

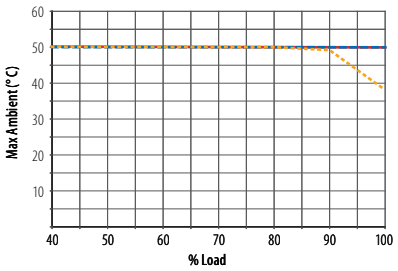
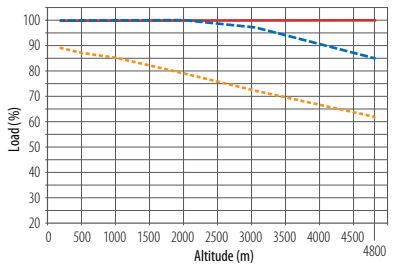
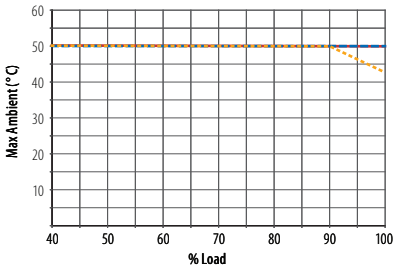
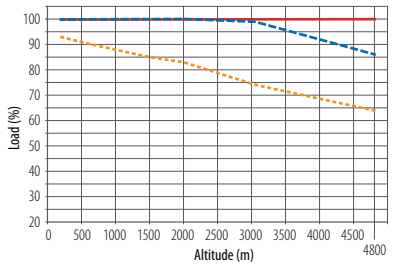
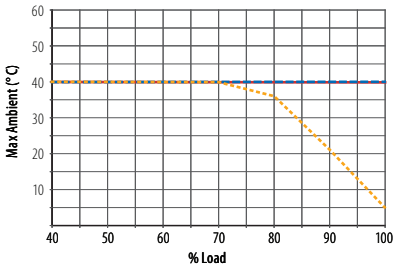
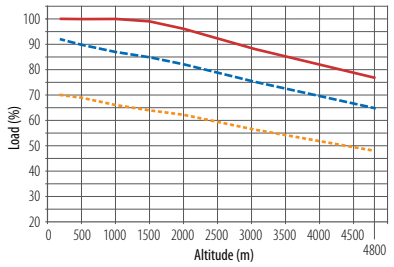
Ambient Temperature/Load and Altitude/Load – 240V AC (Frames 1…7) (Continued)

Cat. No. (see page 5)	240V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)[1]	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	Hp	Cont. Amps	Hp	Cont. Amps	Hp	Cont. Amps		
20x…B028	–	–	10	28	7.5	22		
20x…B042	–	–	15	42	10	28		
20x…B054	–	–	20	54	15	42		
20x…B070	–	–	25	70	20	54		
20x…B080	–	–	30	80	25	75		

Ambient Temperature/Load and Altitude/Load – 240V AC (Frames 1…7) (Continued)

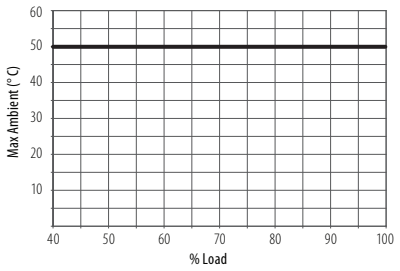
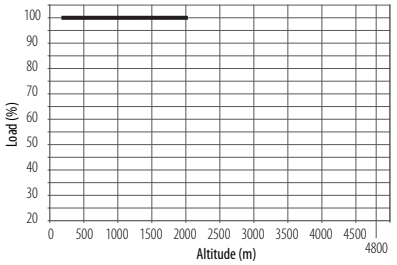
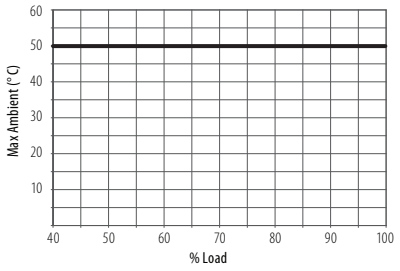
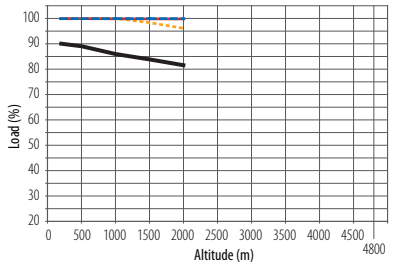
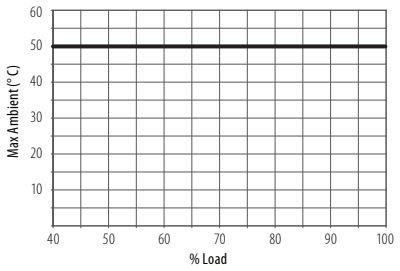
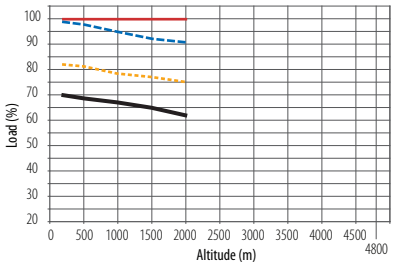
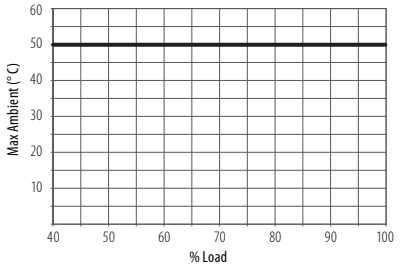
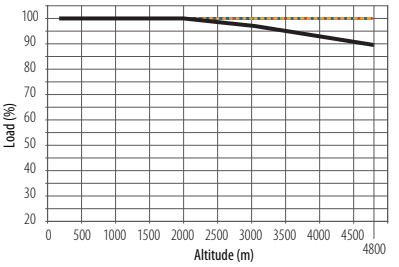
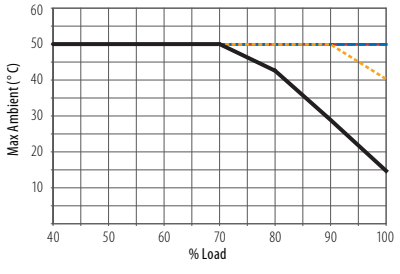
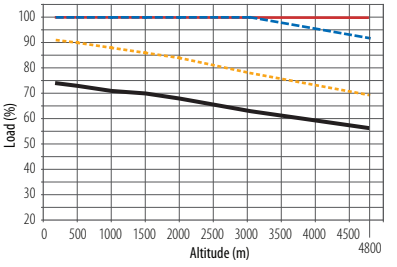
Cat. No. (see page 5)	240V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)[1]	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	Hp	Cont. Amps	Hp	Cont. Amps	Hp	Cont. Amps		
20x…B104	–	–	40	104	30	80		
20x…B130	–	–	50	130	40	104		
20x…B154	–	–	60	154	50	130		
20x…B192	–	–	75	192	60	154		
20x…B260	–	–	100	260	75	192		

Ambient Temperature/Load and Altitude/Load – 240V AC (Frames 1…7) (Continued)

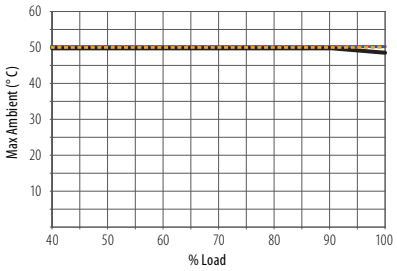
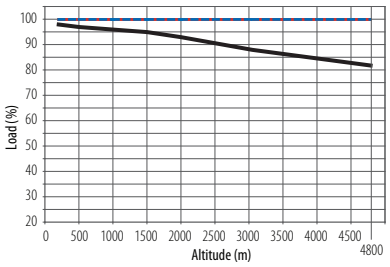
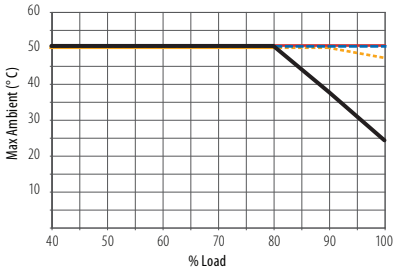
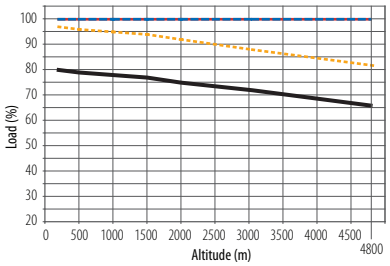
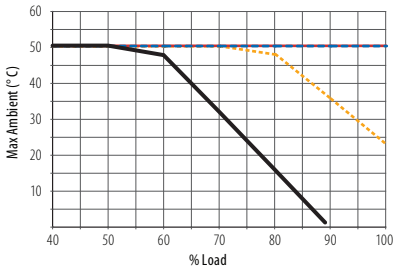
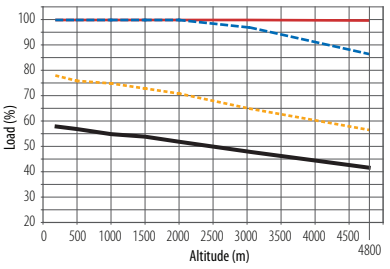
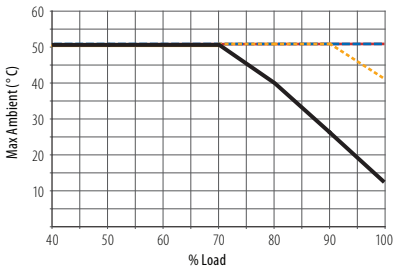
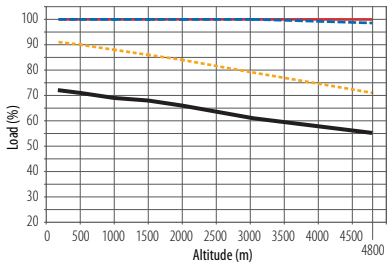
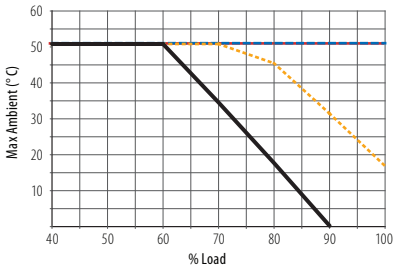
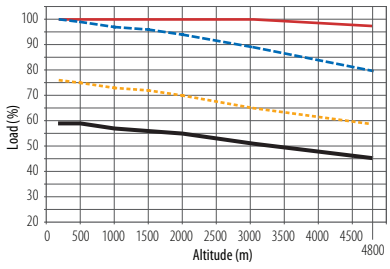
Cat. No. (see page 5)	240V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)(1)	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	Hp	Cont. Amps	Hp	Cont. Amps	Hp	Cont. Amps		
20x…B312	–	–	125	312	100	260		
20x…B360	–	–	150	360	125	312		
20x…B477	–	–	200	477	125	312		

(1) Other enclosure types follow the same derating, while not exceeding, the maximum surrounding air temperature listed in Environmental Specifications on page 79.

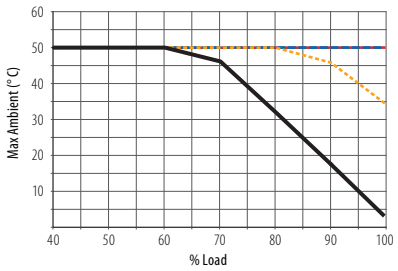
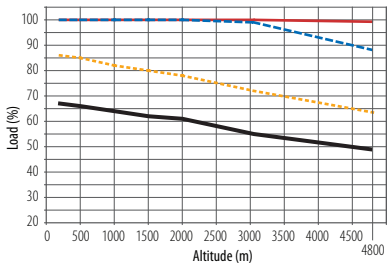
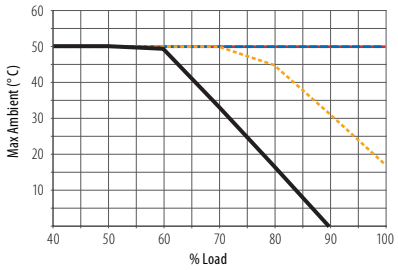
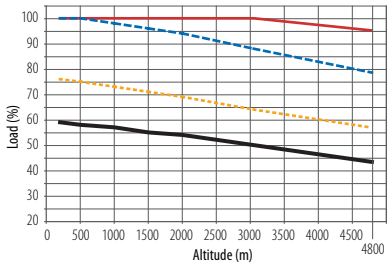
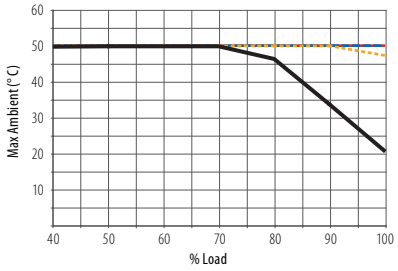
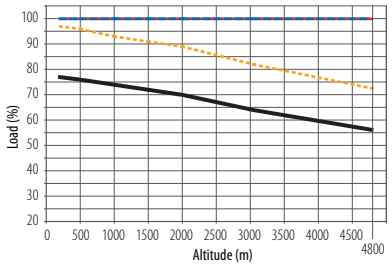
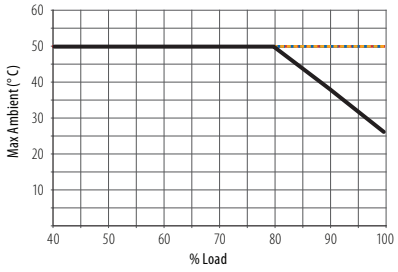
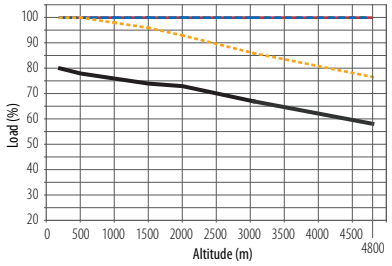
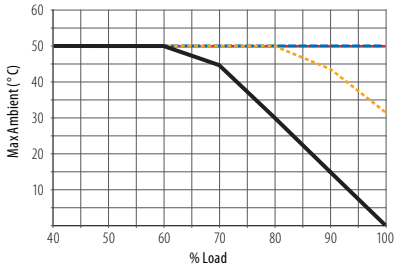
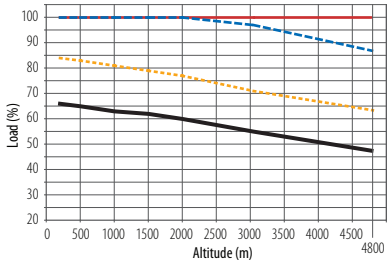
Ambient Temperature/Load and Altitude/Load – 400V AC (Frames 1…7)

Cat. No. (see page 5)	400V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)[1]	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	kW	Cont. Amps	kW	Cont. Amps	kW	Cont. Amps		
20x…C8P7 (Frame 1)	–	–	4.0	8.7	2.2	5.0		
20x…C011 (Frame 1)	–	–	5.5	11.5	4.0	8.7		
20x…C015 (Frame 1)	–	–	7.5	15.4	5.5	11.5		
20x…C015 (Frame 2)	–	–	7.5	15.4	5.5	11.5		
20x…C022	–	–	11	22	7.5	15.4		

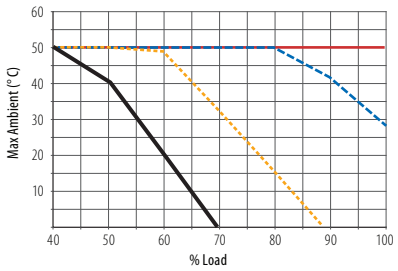
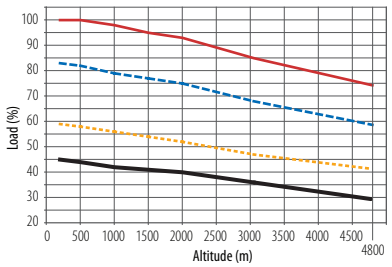
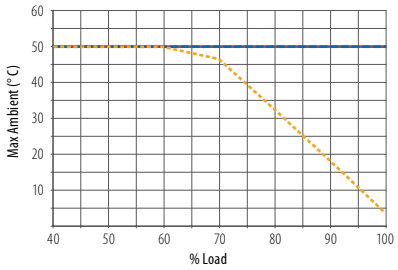
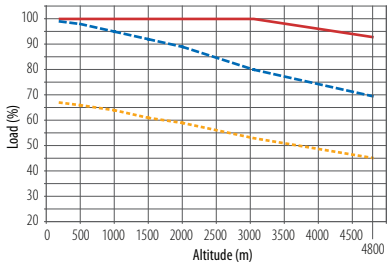
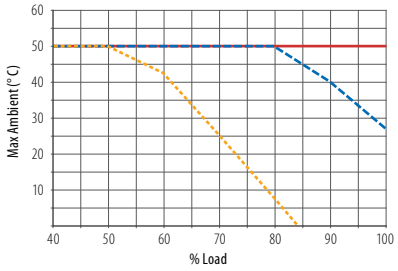
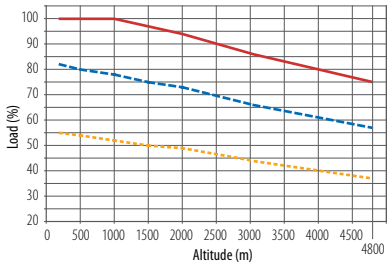
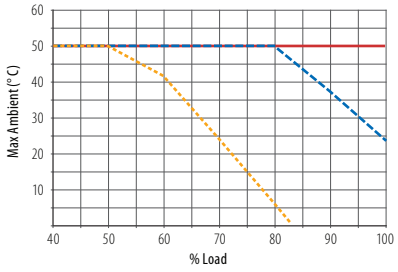
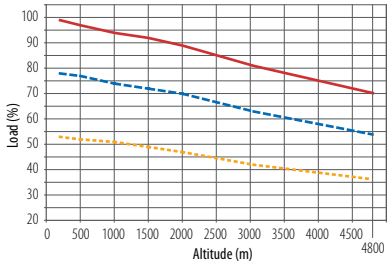
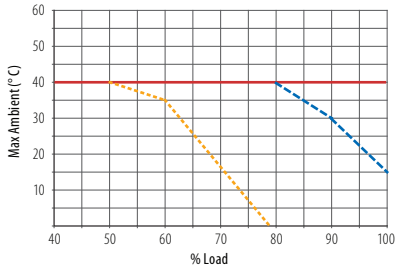
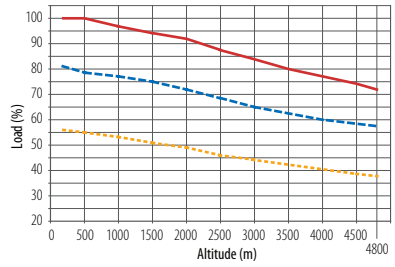
Ambient Temperature/Load and Altitude/Load – 400V AC (Frames 1…7) (Continued)

Cat. No. (see page 5)	400V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)(1)	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	kW	Cont. Amps	kW	Cont. Amps	kW	Cont. Amps		
20x…C030	–	–	15	30	11	22		
20x…C037	–	–	18.5	37	15	30		
20x…C043	–	–	22	43	18.5	37		
20x…C060	–	–	30	60	22	43		
20x…C072	–	–	37	72	30	60		

Ambient Temperature/Load and Altitude/Load – 400V AC (Frames 1…7) (Continued)

Cat. No. (see page 5)	400V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)[1]	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	kW	Cont. Amps	kW	Cont. Amps	kW	Cont. Amps		
20x…C085	–	–	45	85	37	72		
20x…C104	–	–	55	104	45	85		
20x…C140	–	–	75	140	55	104		
20x…C170	–	–	90	170	75	140		
20x…C205	–	–	110	205	90	170		

Ambient Temperature/Load and Altitude/Load – 400V AC (Frames 1…7) (Continued)

Cat. No. (see page 5)	400V AC Power Rating						Derating for IP20 NEMA/UL Type Open (Frames 1…5) and IP00 NEMA/UL Type Open (Frames 6 and 7)(1)	
	Light Duty		Normal Duty		Heavy Duty		Ambient Temperature/Load	Altitude/Load
	kW	Cont. Amps	kW	Cont. Amps	kW	Cont. Amps		
20x…C260	–	–	132	260	110	205		
20x…C302	–	–	160	302	132	260		
20x…C367	–	–	200	367	160	302		
20x…C456	–	–	250	456	200	367		
20x…C477	–	–	270	477	200	367		

(1) Other enclosure types follow the same derating, while not exceeding, the maximum surrounding air temperature listed in Environmental Specifications on page 79.