

IP20, NEMA/UL Type 1 and Options (2500 MCC Style Cabinet)

380...400V AC, Three-Phase and 540V DC Input Drives * ▽

Light Duty (-LD)				Normal Duty (-ND)				Heavy Duty (-HD)				Base Drive Cat. No. ★ §	Frame Size
Output Amps			kW	Output Amps			kW	Output Amps			kW		
Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.			
540	594	NA	315	460	506	693	250	385	578	693	200	21G1A#C460JNONNNNN	8
585	644		315	540	594	821	315	456	684	821	250	21G1A#C540JNONNNNN	8
612	673		355	567	624	851	315	472	708	851	250	21G1A#C567JNONNNNN	8
750	825		400	650	715	975	355	540	810	975	315	21G1A#C650JNONNNNN	8
796	876		450	750	825	1125	400	585	878	1125	315	21G1A#C750JNONNNNN	8
832	915		450	770	847	1155	400	642	963	1155	355	21G1A#C770JNONNNNN	8
1040	1144		560	910	1001	1365	500	750	1125	1365	400	21G11#C910JNONNNNN	9
1090	1199		630	1040	1144	1584	560	880	1320	1584	500	21G11#C1K0JNONNNNN	9
1175	1293		710	1090	1199	1638	630	910	1365	1638	500	21G11#C1K1JNONNNNN	9
1465	1612		800	1175	1293	1872	710	1040	1560	1962	560	21G11#C1K2JNONNNNN	9
1480	1628		850	1465	1612	2198	800	1090	1635	2198	630	21G11#C1K4JNONNNNN	9
1600	1760		900	1480	1628	2220	850	1175	1763	2220	710	21G11#C1K5JNONNNNN	9
1715	1887		1000	1590	1749	2385	900	1325	1988	2385	710	21G11#C1K6JNONNNNN	10
2330	2563		1400	2150	2365	3225	1250	1800	2700	3225	1000	21G11#C2K1JNONNNNN	10

- § The 5th character determines Input Type. "1" = AC and DC input with precharge. "4" = DC input with precharge. "A" = AC input with precharge and no DC terminals.
- ‡ The 6th character determines Enclosure Type and Depth. "B" = IP20, NEMA/UL Type 1, MCC style 600 mm (23.6 in.) deep. "L" = IP20, NEMA/UL Type 1, MCC style 800 mm (31.5 in.) deep. "P" = Packaged Drive - IP20, NEMA/UL Type 1, MCC style with MCC bus, 800 mm (31.5 in.) deep. "W" = Packaged Drive - IP20, NEMA/UL Type 1, MCC style with MCC bus, 800 mm (31.5 in.) deep, gray. Refer to Power Wiring Options on page 98.
- ★ The 11th character determines default Filtering and Common Mode Cap jumper configuration. "J" = Installed, "A" = Removed.
- ▽ A Roll-out Cart is required with Frame 8...10 drives to assist with power wiring and cabinet mounting. Refer to page 121.
- ♣ Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

480V AC, Three-Phase and 650V DC Input Drives * ▽

Light Duty (-LD)				Normal Duty (-ND)				Heavy Duty (-HD)				Base Drive Cat. No. §	Frame Size
Output Amps			Hp	Output Amps			Hp	Output Amps			Hp		
Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.			
485	534	NA	400	430	473	666	350	370	555	666	300	21G1A#D430ANONNNNN	8
545	600		450	485	534	745	400	414	621	745	350	21G1A#D485ANONNNNN	8
590	649		500	545	600	818	450	454	681	818	350	21G1A#D545ANONNNNN	8
710	781		600	617	679	926	500	485	728	926	400	21G1A#D617ANONNNNN	8
765	842		650	710	781	1065	600	545	818	1065	450	21G1A#D710ANONNNNN	8
800	880		700	740	817	1110	650	617	926	1110	500	21G1A#D740ANONNNNN	8
960	1056		800	800	880	1278	700	710	1065	1278	600	21G11#D800ANONNNNN	9
1045	1150		900	960	1056	1440	800	795	1193	1440	700	21G11#D960ANONNNNN	9
1135	1249		1000	1045	1150	1568	900	800	1200	1568	750	21G11#D1K0ANONNNNN	9
1365	1502		1100	1135	1249	1728	1000	960	1440	1728	800	21G11#D1K2ANONNNNN	9
1420	1562		1250	1365	1502	2048	1100	1045	1568	2048	900	21G11#D1K3ANONNNNN	9
1540	1694		1350	1420	1562	2130	1250	1135	1703	2130	1000	21G11#D1K4ANONNNNN	9
1655	1821		1500	1525	1678	2288	1350	1270	1905	2288	1100	21G11#D1K5JNONNNNN	10
2240	2464		2000	2070	2277	3105	1750	1730	2595	3105	1650	21G11#D2K0JNONNNNN	10

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- ‡ The 6th character determines Enclosure Type and Depth. "B" = IP20, NEMA/UL Type 1, MCC style 600 mm (23.6 in.) deep. "L" = IP20, NEMA/UL Type 1, MCC style 800 mm (31.5 in.) deep. "P" = Packaged Drive - IP20, NEMA/UL Type 1, MCC style with MCC bus, 800 mm (31.5 in.) deep. "W" = Packaged Drive - IP20, NEMA/UL Type 1, MCC style with MCC bus, 800 mm (31.5 in.) deep, gray. Refer to Power Wiring Options on page 98.
- ▽ A Roll-out Cart is required with Frame 8...10 drives to assist with power wiring and cabinet mounting. Refer to page 121.
- ♣ Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

Safety Options

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
DriveGuard Safe Torque-Off	20A-DG01	✓					
DriveGuard Safe Torque-Off with 2nd Encoder	20D-P2-DG01				✓	✓▽	
Safe Torque-Off (ATEX capable) ▲	20C-DG1			✓			
Safe Torque-Off	20-750-S						✓★
Safe Speed Monitor	20-750-S1						✓★‡

▲ Only one card allowed per slot.

▽ When using PowerFlex 700S control. This option kit cannot be used on Frame 2 drives, however it is available as a factory installed option.

‡ Requires the Dual Incremental Encoder or Universal Feedback Option. Also requires the 20-750-EMCSSM1-F8 EMC Option Kit with Frame 8...9 drives.

★ Drive can accommodate only one option.

Feedback Options

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
5V/12V Encoder &	20A-ENC-1	✓					
12V/5V Encoder	20B-ENC-1		✓ #			✓ #	
Multi-Device Interface ♦	20D-MDI-C2				✓	✓▽	
2nd Encoder, 5V/12V ♦	20D-P2-ENCO				✓	✓▽	
Resolver ♦	20D-RES-A1				✓	✓▽	
Stegmann High Resolution Hyperface Encoder ♦	20D-STEG-B1				✓	✓▽	
Heidenhain High Resolution EnDat Encoder	20D-HEID-DO				✓	✓▽	
Incremental Encoder	20-750-ENC-1						✓▲
Dual Incremental Encoder	20-750-DENC-1						✓▲
Universal Feedback (includes Stegmann, Heidenhain, SSI, Biss, 5V Incremental)	20-750-UFB-1						✓★

& Works only with PowerFlex 70 Enhanced Control.

♦ Requires Expanded Cassette

When using a PowerFlex 700 with Vector Control.

★ PowerFlex 755 only.

▽ When using a PowerFlex 700S control.

▲ Homing and registration functions are not supported when using this device with Studio 5000 Logix Designer embedded motion instructions. To use these functions, the Universal Feedback Board (20-750-UFB-1) must be used.

PowerFlex 700 Control Option Kits

Control with I/O	Factory Installed Cat. Code #	Cat. No.	Used with PowerFlex Drive					
			70	700	700H	700S	700L	753/755
Vector Control - 24V DC with: ▽								
60 Hz Maximum	NNAD	20B-VECT-COAD		✓				
82 Hz Maximum	NNAX	20B-VECTB-COAX		✓				
Cascading Fan/Pump Control	NNAE	20B-VECT-COAE		✓				
Pump Off (for Pump Jack)	NNBA	20B-VECTB-COBA		✓				
Vector Control - 115V AC ▽								
Vector Control - 115V AC with: ▽								
60 Hz Maximum	NNAD	20B-VECT-DOAD		✓				
82 Hz Maximum	NNAX	20B-VECTB-DOAX		✓				
Cascading Fan/Pump Control	NNAE	20B-VECT-DOAE		✓				
Pump Off (for Pump Jack)	NNBA	20B-VECT-DOBA		✓				

▽ Vector Control option utilizes DPI Only.

This code is entered at the end of the drive catalog number (positions 17...20).

& This code is entered at position 15 of the drive catalog number.