

# Product Details and Certifications

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**Product: 20F1AN9% &AB0NNNNN**

Description: PowerFlex 753 AC Drive, with Embedded I/O, Air Cooled, AC Input with Precharge, no DC Terminals, Open Type, FJGAmps, 2HP ND, 1HP HD, 1 VAC, 3 PH, Frame I, Filtered, CM Jumper Removed, P[ ] ^, Blank (No HIM)

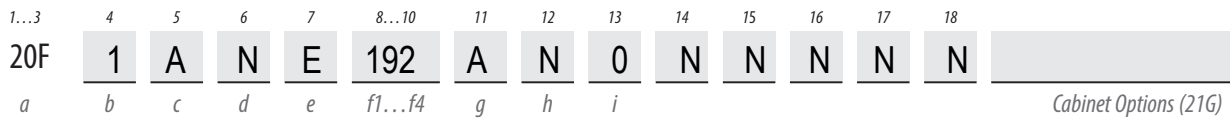


Representative Photo Only (actual product may vary based on configuration selections)

## **BASE DRIVE INFORMATION**

Bulletin Number	PowerFlex 753 AC Drive, with Embedded I/O
Input Voltage	1 VAC 1 P:
Phases	3 Phases
Current Rating	FJGAmps 2HP ND 1HP HD
Enclosure Type	U] ^} A type
Input Type	AC Input with Precharge, no DC Terminals
Frame Size	Frame I
Filtering & CM Cap Config	Filtered, CM Jumper Removed
Dynamic Braking	P[ ] ^
HIM	Blank (No HIM)

### Catalog Number Explanation



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

e	
Voltage Rating	
Code	Voltage
C	400V AC/540V DC
D	480V AC/650V DC
E	600V AC/810V DC
F	690V AC/932V DC (not UL listed)



c		
Input Type		
Code	Description	Frames
1	AC Input with Precharge, includes DC Terminals	1...4, 8...10
	AC Input without Precharge, includes DC Terminals	5
4	DC Input with Precharge	5...10
A	AC Input with Precharge, no DC Terminals	6...8*

\* The DC Bus Bar kit (20-750-DCBB1-Fx) is available for Frames 6...7 AC input drives requiring DC bus terminals.

f1						
ND Rating						
400V, 50 Hz Input						
Code	Amps	kW	Frame			Enclosure Code
			Enclosure Code			
			B, J, L, T	F	G	
2P1	2.1	0.75				
3P5	3.5	1.5				
5P0	5.0	2.2				
8P7	8.7	4		2	2	2
011	11.5	5.5				
015	15.4	7.5				
022	22	11				
030	30	15				
037	37	18.5		3	3	3
043	43	22				
060	60	30			4	4
072	72	37				5
085	85	45				5
104	104	55				6
140	140	75				6
170	170	90				6
205	205	110				6
260	260	132				6
302	302	160				7
367	367	200				7
456	456	250				
460	460	250				
540	540	315				
567	567	315				
650	650	355		8		8 Δ
750	750	400				
770	770	400				
910	910	500				
1K0	1040	560				
1K1	1090	630				
1K2	1175	710				
1K4	1465	800				
1K5	1480	850				
1K6	1590	900				
2K1	2150	1250		10		10 Δ



d		
Enclosure		
Code	Description	Frames
R	IP20, NEMA/UL Type Open, Frame 1	1
F §	Flange (NEMA/UL Type 4X/12 back)	2...5
G	IP54, NEMA/UL Type 12	2...7
N ‡	IP20/IP00, NEMA/UL Type Open	2...7
B Δ	IP20, NEMA/UL Type 1, 600 mm (23.6 in.) Deep, Standard Cabinet Color (RAL 7032)	8...10
J Δ	IP54, UL Type 12, 800 mm (31.5 in.) Deep, Standard Cabinet Color (RAL 7032)	8...10
K Δ	IP54, NEMA 12, 2500 MCC Style Cabinet & Options w/MCC Power Bus, 800 mm (31.5 in.) Deep, Standard Cabinet Color (RAL 7032)	8...10
L Δ	IP20, NEMA/UL Type 1, 800 mm (31.5 in.) Deep, Standard Cabinet Color (RAL 7032)	8...10
P Δ	IP20, NEMA/UL Type 1, 2500 MCC Style Cabinet & Options w/MCC Power Bus, 800 mm (31.5 in.) Deep, Standard Cabinet Color (RAL 7032)	8...10
W Δ	IP20, NEMA/UL Type 1, 2500 MCC Style Cabinet & Options w/MCC Power Bus, 800 mm (31.5 in.) Deep, CenterLine 2100 Gray (ASA49)	8...10
Y Δ	IP54, NEMA 12, 2500 MCC Style Cabinet & 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

f2						
ND Rating						
480V, 60 Hz Input						
Code	Amps	Hp	Frame			Enclosure Code
			Enclosure Code			
			B, J, L, T	F	G	
2P1	2.1	1				
3P4	3.4	2				
5P0	5.0	3				
8P0	8.0	5				
011	11	7.5				
014	14	10				
022	22	15				
027	27	20				
034	34	25				
040	40	30				
052	52	40				
065	65	50				
077	77	60				
096	96	75				
125	125	100				
156	156	125				
186	186	150				
248	248	200				
302	302	250				
361	361	300				
415	415	350				
430	430	350				
485	485	400				
545	545	450				
617	617	500				
710	710	600				
740	740	650				
800	800	700				
960	960	800				
1K0	1045	900				
1K2	1135	1000				
1K3	1365	1100				
1K4	1420	1250				
1K5	1525	1350				
2K0	2070	1750				

§ For Frames 6...7 a User Installed Flange Kit is available to convert a Code N drive that provides a NEMA/UL Type 4X/12 back.  
 ‡ Frames 2...5 are IP20, Frames 6...7 are IP00.  
 Δ Available as a drive with options (21G).

§ For Frames 6...7 a User Installed Flange Kit is available to convert a Code N drive that provides a NEMA/UL Type 4X/12 back.  
 Δ Available as a drive with options (21G).

§ For Frames 6...7 a User Installed Flange Kit is available to convert a Code N drive that provides a NEMA/UL Type 4X/12 back.  
 Δ Available as a drive with options (21G).

f3

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

f4

ND Rating				Frame					
690V, 50 Hz Input (not UL listed)				Enclosure Code					
Code	Amps	kW	Enclosure Code						
			B, J, L, T	F	G	N	K, P, W, Y	R	
012	12	7.5							
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							
212	212	200							
263	263	250							
265	265	250							
330	330	315							
370	370	355							
415	415	400							
460	460	450							
500	500	500							
590	590	560							
650	650	630							
710	710	710							
765	765	750							
795	795	800							
960	960	900							
1K0	1040	1000							
1K4	1400	1400							

△ 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

♦ 480V drives must select code "A." Jumpers are included for field reconfiguration as desired.

h

Dynamic Braking &		
Code	Internal Resistor ▲	Internal Transistor ▽
A	No	Yes
N	No	No

▲ Frames 1...2 only.

▽ Standard on Frames 1...5, optional on 6...7.

& Not available on Frames 8...10, specify Code "N."

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 ★
ND	Normal Duty		
HD	Heavy Duty		
P3	Input Thermal Magnetic Circuit Breaker	8...10	Power Disconnect ★
P5	Input Non-Fused Molded Case Disconnect Switch	8 Only	
P14	Wiring Only Bay	8...10	Wiring Only Bay

★ Only one option of this type may be selected.

PowerFlex 755 w/Options (21G) - Additional Selections

Code	Option	Frames	Type
P11	Input Contactor	8 Only	Contactors ★ §
P12	Output Contactor		
L1	3% Input Reactor	8...9	Reactors ★
L2	3% Output Reactor		
L3	5% Input Reactor		
L4	5% Output Reactor		
P20	1200 Amp Bus	8...10	MCC Power Bus Capacity ★
P22	2000 Amp Bus		
P24	3000 Amp 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	Auxiliary Power

★ Only one option of this type may be selected.

§ Contactor options are not available for systems with MCC power bus.

△ Available as a drive with options (21G).