

# Product Details and Certifications

## Cross Reference RA Part Number: PN-179673

 **Product: 20F11NE6P1AA0NNNNN**

Description: PowerFlex 753 AC Drive, with Embedded I/O, Air Cooled, AC Input with DC Terminals, Open Type, 6.1 Amps, 5HP ND, 3HP HD, 600 VAC, 3PH, Frame 3, Filtered, CM Jumper Removed, DB Transistor, Blank (No HIM)



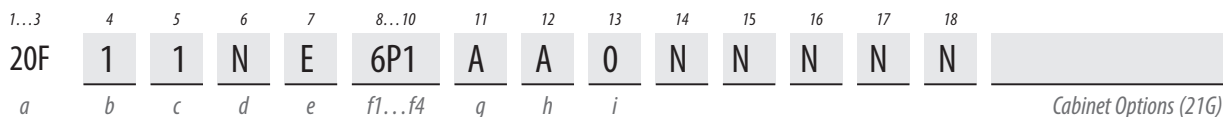
Representative Photo Only (actual product may vary based on configuration selections)

### **BASE DRIVE INFORMATION**

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Bulletin Number	PowerFlex 753 AC Drive, with Embedded I/O
Input Voltage	600 VAC 60 Hz
Phases	3 Phases
Normal Duty Output Current Rating	6.1 Amps
Heavy Duty Output Current Rating	3.9 Amps
Normal Duty HP	5 HP
Heavy Duty HP	3 HP
Enclosure Type	IP20/IP00, NEMA/UL Type Open
Input Type	AC Input with DC Terminals
Frame Size	Frame 3
Filtering & CM Cap Config	Filtered, CM Jumper Removed
Dynamic Braking	DB Transistor
HIM	Blank (No HIM)

### Catalog Number Explanation



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

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)



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.



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

§ 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.  
 ‡ Available as a drive with options (21G).  
 Δ Available as a drive with options (21G).

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							
3P5	3.5	1.5							
5P0	5.0	2.2							
8P7	8.7	4		2	2	2			1
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					4		
085	85	45						5	
104	104	55							5
140	140	75							6
170	170	90							6
205	205	110							6
260	260	132							6
302	302	160							6
367	367	200							7
456	456	250							7
460	460	250							
540	540	315							
567	567	315							
650	650	355							8
750	750	400							8 Δ
770	770	400							
910	910	500							
1K0	1040	560							
1K1	1090	630							
1K2	1175	710							9
1K4	1465	800							9 Δ
1K5	1480	850							
1K6	1590	900							
2K1	2150	1250							10

§ 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).

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							
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							8
710	710	600							8 Δ
740	740	650							
800	800	700							
960	960	800							
1K0	1045	900							
1K2	1135	1000							9
1K3	1365	1100							9 Δ
1K4	1420	1250							
1K5	1525	1350							
2K0	2070	1750							10

§ 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	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		3	3	3		
9P0	9	7.5						
011	11	10						
012	12	10		-	6	6		
017	17	15		3	3	3		
018	18	15		-	6	6		
022	22	20		3	3	3		
023	23	20						
024	24	20		-	6	6		
027	27	25		4	4	4		
028	28	25		-	6	6		
032	32	30		4	4	4		
033	33	30		-	6	6		
041	41	40		5	5	5		
042	42	40		-	6	6		
052	52	50		5	-	5		
053	53	50						
063	63	60						
077	77	75						
099	99	100			6	6		
125	125	125						
144	144	150						
192	192	200						
242	242	250			7	7		
289	289	300						
295	295	300						
355	355	350						
395	395	400						
435	435	450						8 Δ
460	460	500						
510	510	500						
595	595	600						
630	630	700						
760	760	800						
825	825	900						9 Δ
900	900	950						
980	980	1000						
1K1	1110	1100						
1K4	1430	1400						10 Δ

f4

ND Rating			Frame					
690V, 50 Hz Input (not UL listed)			Enclosure Code					
Code	Amps	KW	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			6	6		
050	50	45						
061	61	55						
082	82	75						
098	98	90						
119	119	110						
142	142	132						
171	171	160						
212	212	200			7	7		
263	263	250						
265	265	250						
330	330	315						
370	370	355						8
415	415	400						8 Δ
460	460	450						
500	500	500						
590	590	560						
650	650	630						
710	710	710						9
765	765	750						9 Δ
795	795	800						
960	960	900						
1K0	1040	1000						10
1K4	1400	1400						10 Δ

Δ 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.

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