

Product Details and Certifications

Cross Reference RA Part Number: PN-183508

 **Product: 20G1ANE077AA0NNNNN**

Description: PowerFlex 755 AC Drive, With Embedded Ethernet/IP, Air Cooled, AC Input with Precharge, no DC Terminals, Open Type, 77 Amps, 75HP ND, 60HP HD, 600 VAC, 3HP, Frame 6, Filtered, CM Jumper Removed, DB Transistor, Blank (No HIM)

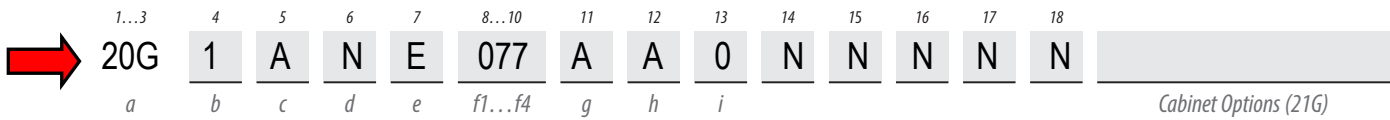


Representative Photo Only (actual product may vary based on configuration sections)

BASE DRIVE INFORMATION

Bulletin Number	PowerFlex 755 AC Drive, with Embedded Ethernet/IP
Input Voltage	600 VAC
Phases	3 Phases
Current Power Rating	77 Amps, 75HP ND, 60HP HD
Enclosure Type	Open Type
Input Type	AC Input with Precharge, no DC Terminals
Frame Size	Frame 6
Filtering & CM Cap Config	Filtered, CM Jumper Removed
Dynamic Braking	DB Transistor
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)

b

Future Use

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						
			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				5			
085	85	45			5				
104	104	55					5		
140	140	75						6	
170	170	90							6
205	205	110							6
260	260	132			5				
302	302	160							
367	367	200							
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

f2

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							
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							

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

§ 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			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											
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											

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

f4

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											
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											

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.