

# Product Details and Certifications

## Cross Reference RA Part Number: PN-179721

 **Product: 20G11NE027AA0NNNNN**

Description: PowerFlex 755 AC Drive, with Embedded Ethernet/IP, Air Cooled, AC Input with DC Terminals, Open Type, 27 Amps, 205P ND, 20HP HD, 600 VAC, 3HP, Frame 4, 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 755 AC Drive, with Embedded Ethernet/IP
Input Voltage	600 VAC 60Hz
Phases	3 Phases
Current Power Rating	27 Amps, 25HP ND, 20HP HD
Enclosure Type	Open Type
Input Type	AC Input with DC Terminals
Frame Size	Frame 4
Filtering & CM Cap Config	Filtered, CM Jumper Removed
Dynamic Braking	DB Transistor
HIM	Blank (No HIM)

### Catalog Number Explanation

1...3 4 5 6 7 8...10 11 12 13 14 15 16 17 18  
**20G 1 1 N E 027 A A 0 N N N N N** Cabinet Options (21G)  
*a b c d e f1...f4 g h i*



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

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

b		
<b>Future Use</b>		

Input Type		
Code	Description	Frames
<b>1</b>	AC Input with Precharge, includes DC Terminals	1...4, 8...10
	<b>AC Input without Precharge, includes DC Terminals</b>	<b>5</b>
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						
140	140	75						
170	170	90						
205	205	110						
260	260	132						
302	302	160						
367	367	200						
456	456	250						
460	460	250						
540	540	315						
567	567	315						
650	650	355						
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						

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						
034	34	25						
040	40	30						
052	52	40						
065	65	50						
077	77	60						
096	96	75						
125	125	100						
<b>156</b>	<b>156</b>	<b>125</b>						
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						

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
<b>N ‡</b>	<b>IP20/IP00, NEMA/UL Type Open</b>	<b>2...7</b>
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								

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								

△ 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).