


Product Details and Certifications

Cross Reference RA Part Number: **PN-51285**

 **Product: 20G17ND156LNANNNNN**

Description: PowerFlex 755T Drives, Air Cooled, Low Harmonic, AFE (Wall Mount/ Freestanding), Open Type/IP00; Wall Mount, LD - 150HP (156A), ND - 125HP (156A), HD - 100HP (125A), 480 VAC, 3 PH, Frame 6, Standard EMI Protection, No HIM & TotalFORCE Control



BASE DRIVE INFORMATION

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

Bulletin Number	PowerFlex 755T
Input Voltage	480VAC 60Hz
Phases	3 Phases
Current Power Rating	LD - 150HP (186A), ND - 125HP (156A), HD - 100HP (125A) Open Type/IP00; Wall Mount
Enclosure Type	
Input Type	Low Harmonic, AFE (Wall Mount/Freestanding)
Frame Size	Frame 6
Filtering & CM Cap Config	Standard EMI Protection
Dynamic Braking	NONE
HIM	No HIM & TotalFORCE Control

Catalog Number Explanation

Catalog number positions 1...7 identify the product type and voltage rating.

1...3 4 5 6 7 8...10 11 12 13 14 15 16 17 18
 20G 1 7 N D 156 L N A N N N N N -C0-P15...
 A B C D E

A

Drive

Code	Type	Frames
20G	PowerFlex 755TL Drives	5...10
	PowerFlex 755TR Drives PowerFlex 755TM Common Bus Inverters	5...15
	PowerFlex 755TM Bus Supplies	6...15
20J	PowerFlex 755TM Bus Supplies	6...15

B

Cooling Type

Code	Description	Frames
1	Forced Air	5...15

C

Input Type

Code	Description	Frames
6	Regenerative and Low Harmonic AFE, 755TR Drives	5...7
	Regenerative and Low Harmonic AFE, 755TM Bus Supplies	6...7
7	Low Harmonic AFE, 755TL Drives	5...7
D	Common Bus with DC Precharge	8...15
E	Common Bus without DC Precharge	8...15
F	Regenerative and Low Harmonic AFE, 755TR Drives	8...15
	Regenerative and Low Harmonic AFE, 755TM Bus Supplies	8...15
G	Low Harmonic AFE, 755TL Drives	8...10

D

Enclosure

Code	Description	Frames
N	IP00, UL Open Type	5...6
3	IP21, UL Type 1; Floor Mount	7...15
4	IP54, UL Type 12; Floor Mount	7...15

E

Voltage Rating

Code	Voltage
C	400V AC; 3 PH
D	480V AC; 3 PH
E	600V AC; 3 PH
F	690V AC; 3 PH

Catalog number positions 8...10 identify the product normal duty rating.

1...3 4 5 6 7 8...10 11 12 13 14 15 16 17 18
 20G 1 7 N D 156 L N A N N N N N -C0-P15...
 F1...F4

F1 PowerFlex 755T ND Drive Ratings 400V, 50 Hz Input			
Code	Amps	kW	Frame
015	15.4	7.5	5
022	22	11	
030	30	15	
037	37	18.5	
043	43	22	
060	60	30	
072	72	37	
085	85	45	
104	104	55	
140	140	75	
176	170	90	
205	205	110	
260	260	132	
302	302	160	7
367	367	200	
460	460	250	
540	540	315	
585	600	315	
302	302	160	
367	367	200	
460	460	250	
540	540	315	
585	585	315	
650	650	355	
750	750	400	9
770	770	400	
920	920	500	
1K0	1040	560	
1K1	1112	630	
1K2	1175	710	
1K4	1463	800	
1K6	1590	850	11
1K7	1715	1000	
2K1	2156	1250	12
2K8	2849	1650	
3K5	3542	2000	14
4K2	4235	2200	
5K6	5621	2920	
7K0	7007	3640	

F2 PowerFlex 755T ND Drive Ratings 480V, 60 Hz Input			
Code	Amps	Hp	Frame
014	14	10	5
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	7
361	361	300	
430	430	350	
505	505	400	
617	600	500	
302	302	250	
361	361	300	
430	430	350	
505	505	400	
545	545	450	
617	617	500	
710	710	600	9
740	740	650	
800	800	700	
960	960	800	
1K0	1045	900	
1K1	1135	1000	
1K3	1365	1100	
1K4	1420	1250	11
1K6	1655	1500	
2K0	2072	1800	12
2K6	2738	2400	
3K4	3404	3000	14
4K0	4070	3600	
5K4	5402	4800	
6K7	6734	6000	



Catalog number positions 11...13 identify product additional configuration.

1...3 4 5 6 7 8...10 11 12 13 14 15 16 17 18
 20G 1 7 N D 156 L N A N N N N N -C0-P15...
 I J K

I

Filtering and CM Cap Configuration

Code	EMC Filtering ⁽¹⁾	PE-A ⁽²⁾	PE-B	Reflective Wave Filtering	Frames
J	Yes	Installed	Removed	No	7...15
K	Yes	Installed	Removed	Yes	8...15
L	No	Installed	Removed	No	5...15
M	No	Installed	Removed	Yes	8...15



- (1) Ferrite cores installed on the line side after the AC precharge.
- (2) Setting does not apply to product type 20G with input types D and E. PE-A jumpers are removed when bus conditioner for marine applications (-P51) is selected.

J

Dynamic Braking ⁽¹⁾

Code	Internal Resistor	Internal Transistor	Frames
N	No	No	5...15



- (1) Not available on Frames 8...15, specify Code 'N'.

K

Door-mounted HIM (Frames 7...15)

Code	Operator Interface and Control	Frames
A	No HIM with TotalFORCE Control	5...15
D	Enhanced LCD, Full Numeric, IP66, NEMA Type 4X/12 with TotalFORCE Control	7...15



Catalog number positions 14...18 are not used.