

Product Details and Certifications

Cross Reference RA Part Number: U-00820919114700

Product: 20CD300A0AYNBNN0

Description: PowerFlex700H AC Drive, 480 VAC, 3 PH, 300 Amps, 250 HP Normal Duty, 200 HP Heavy Duty, IP21 / Type 1, with Conformal Coating, No HIM (Blank Plate), Brake IGBT Installed, Without Drive Mounted Brake Resistor, Common Mode Choke Removed, Second Environment Filter per CE EMC directive (89/336/EEC), No Communication Module, Standard Control with No I/O, No Feedback



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

NOTE

Lifecycle Status Note PowerFlex 700H drive family is now in End of Life status. It is still available for sale, but we recommend that you consider the new generation PowerFlex 755 drive family as an alternative.

BASE DRIVE INFORMATION

Input Voltage 480 VAC 60 Hz
 Phases 3 Phases

INSTALLED OPTIONS

Output Current Rating 300 Amps
 Heavy Duty Output Current Rating 245 Amps
 Normal Duty HP 250 HP
 Heavy Duty HP 200 HP
 Enclosure IP21 / Type 1, with Conformal Coating
 Frame Size Frame Size 9
 Documentation User Manual
 Brake IGBT Brake IGBT Installed
 Brake Resistor Without Drive Mounted Brake Resistor
 Filter Options Common Mode Choke Removed, Second Environment Filter per CE EMC directive (89/336/EEC)
 I/O Options Standard Control with No I/O

USER INSTALLED OPTIONS

Base Plus Options Base Plus Options Method
 Internal Communication Module No Communication Module

Standard Drives

Catalog Number Explanation

Position											
1-3	4	5-7	8	9	10	11	12	13	14	15	16
20C	D	% "	3	"	3	K	@	4	@	@	"
a	b	c	d	e	f	g	h	i	j	k	l

a

Drive	
Code	Type
20C	PowerFlex 700H

b

Voltage Rating		
Code	Voltage	Ph.
C	400V AC	3
D	480V AC	3
E	600V AC	3
F	690V AC	3

c1

Rating		
400V, 50Hz Input		
Code	Amps - ND (HD)	kW - ND (HD)
261	261 (205)	132 (110)
300	300 (245)	160 (132)
385	385 (300)	200 (160)
460	460 (385)	250 (200)
500	500 (420)	250 (250)
590	590 (520)	315 (250)
650	650 (590)	355 (315)
730	730 (650)	400 (355)
820	820 (730)	450 (400)
920	920 (820)	500 (450)
1K0	1030 (920)	560 (500)
1K1	1150 (1030)	630 (560)
1K3	1300 (1150)	710 (630)
1K4	1450 (1200)	800 (710)
1K7	1770 (1600)	1000 (900)
2K1	2150 (1940)	1200 (1100)

c2

Rating		
480V, 60Hz Input		
Code	Amps - ND (HD)	Hp - ND (HD)
261	261 (205)	200 (150)
300	300 (245)	250 (200)
385	385 (300)	300 (250)
460	460 (385)	350 (300)
500	500 (420)	450 (350)
590	590 (520)	500 (450)
650	650 (590)	500 (500)
730	730 (650)	600 (500)
820	820 (730)	700 (600)
920	920 (820)	800 (700)
1K0	1030 (920)	900 (800)
1K1	1150 (1030)	1000 (900)
1K3	1300 (1150)	1100 (1000)
1K4	1450 (1200)	1250 (1000)
1K7	1770 (1600)	1500 (1400)
2K1	2150 (1940)	1900 (1700)

c3

Rating		
600V, 60Hz Input		
Code	Amps - ND (HD)	Hp - ND (HD)
170	170 (144)	150 (150)
208	208 (170)	200 (150)
261	261 (208)	250 (200)
325	325 (261)	350 (250)
385	385 (325)	400 (350)
416	416 (325)	450 (350)
460	460 (385)	500 (400)
502	502 (460)	500 (500)
590	590 (502)	600 (500)
650	650 (590)	700 (650)
750	750 (650)	800 (700)
820	820 (750)	900 (700)
920	920 (820)	1000 (900)
1K0	1030 (920)	1100 (1000)
1K1	1180 (1030)	1300 (1100)
1K5	1500 (1300)	1600 (1400)
1K9	1900 (1500)	2000 (1600)
2K2	2250 (1900)	2400 (2000)

c4

Rating		
690V, 50Hz Input		
Code	Amps - ND (HD)	kW - ND (HD)
170	170 (144)	160 (132)
208	208 (170)	200 (160)
261	261 (208)	250 (200)
325	325 (261)	315 (250)
385	385 (325)	355 (315)
416	416 (325)	400 (315)
460	460 (385)	450 (355)
502	502 (460)	500 (450)
590	590 (502)	560 (500)
650	650 (590)	630 (560)
750	750 (650)	710 (630)
820	820 (750)	800 (630)
920	920 (820)	900 (800)
1K0	1030 (920)	1000 (900)
1K1	1180 (1030)	1100 (1000)
1K5	1500 (1300)	1500 (1300)
1K9	1900 (1500)	1900 (1500)
2K2	2250 (1900)	2300 (1900)

d

Enclosure	
Code	Enclosure
A	IP21, NEMA Type 1 (Frame 9) Rittal Enclosure (Frames 10 & Up)
B	IP20, NEMA Type 1, MCC §
H	IP54, NEMA Type 12, Rittal §
K	IP20, NEMA Type 1, MCC with Conformal Coat §
M	IP21, NEMA Type 1 (Frame 9) Rittal Enclosure (Frames 10 & Up) with Conformal Coat
W	IP54, NEMA Type 12, Rittal with Conformal Coat §

§ Frame 10 & up only.

e

HIM	
Code	Operator Interface
0	Blank Cover
3	Full Numeric LCD, Drive Mounted
C	Full Numeric LCD, Door Mount *

* IP21, NEMA Type 1 Frame 10 & up only.

Catalog Number Explanation, Continued

f		i				j	
Documentation		Emission				Comm Slot	
Code	Type	Code	CE Filter	CM Choke	dv/dt Filter	Code	Version
A	Manual	B	Yes	No	No	N	None
		N ‡	No	No	No		
		E ¶	Yes	No	Yes		

g		k	
Brake		I/O	
Code	w/Brake IGBT ※	Code	I/O Volts
Y	Yes	A	24V DC
N	No	B	115V AC
		G	24V DC with Safe-Off
		N	None

h		l	
Brake Resistor		Feedback	
Code	w/Resistor	Code	Type
N	No	0	None

‡ For use on ungrounded or resistive grounded distribution systems (Frame 9 drives only).
 ¶ Output dv/dt filter is only available on Frame 14 drives.