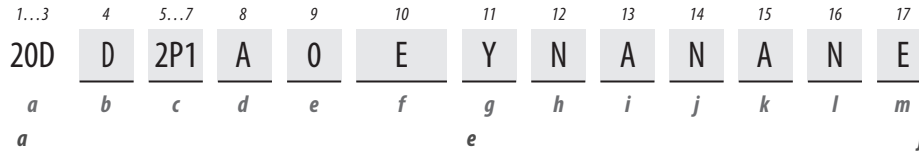


Catalog Number Explanation



Drive	
Code	Type
20D	PowerFlex 700S

Voltage Rating			
Code	Voltage	Ph.	Precharge
B ⁽¹⁾	240V AC	3 (6 pulse)	-
C ⁽¹⁾	400V AC	3 (6 pulse)	-
D ⁽¹⁾	480V AC	3 (6 pulse)	-
E ⁽¹⁾⁽²⁾	600V AC	3 (6 pulse)	-
F ⁽³⁾	690V AC	3 (6 pulse)	-
H ⁽³⁾	540V DC	-	N
J ⁽³⁾	650V DC	-	N
K ⁽³⁾	810V DC	-	N
M ⁽³⁾	932V DC	-	N
N ⁽⁴⁾	325V DC	-	Y
P ⁽⁴⁾	540V DC	-	Y
R ⁽⁴⁾	650V DC	-	Y
T ⁽⁴⁾	810V DC	-	Y
W ⁽⁴⁾	932V DC	-	Y

- (1) For DC input on Frames 1...4, use the corresponding AC input code B, C, D, or E.
- (2) 600V class drives below 77 Amps (Frames 0...4) are declared to meet the Low Voltage Directive and UK LV Regulations. It is the responsibility of the user to determine compliance to the EMC Directive and UK EMC Regulations.
- (3) Frames 5 and greater.
- (4) Frames 5 & 6 only.

Enclosure	
Code	Description
A ⁽¹⁾	IP20, NEMA Type 1 with Conformal Coat
B ⁽²⁾	IP20 NEMA Type 1, MCC, with Conformal Coat
H ⁽²⁾	IP54, NEMA Type 12, Rittal, with Conformal Coating
N ⁽³⁾	Open/IP00, with Conformal Coat

- (1) IP20 for Frames 1...6, IP21 for Frames 9 and greater.
- (2) Frames 10 and greater only.
- (3) Frames 9 and greater only.

HIM (Human Interface Machine)	
Code	Operator Interface
0	Blank Cover
3	Full Numeric LCD
C ⁽¹⁾	Full Numeric LCD, Door Mount

(1) Frames 10 and greater only.

Documentation	
Code	Documents
E	English Manual
N	No Documentation

Brake ⁽¹⁾	
Code	w/Brake IGBT
Y	Yes
N	No

(1) Brake IGBT is standard on Frames 1...3 and optional on Frames 4...9 only.

Brake Resistor	
Code	w/Resistor
Y ⁽¹⁾	Yes
N	No

(1) Not available for Frame 3 and greater.

Emission			
Code	CE Filter ⁽¹⁾	CM Choke	du/dt Filter
A ⁽²⁾	Yes	Yes	No
B ⁽³⁾	Yes	No	No
E ⁽⁴⁾	Yes	No	Yes
N ⁽⁵⁾	No	No	No

- (1) CE and UK Certification testing has not been performed on 600V class drives Frames 1...4.
- (2) Frames 1...6 only.
- (3) Frames 9 and greater only.
- (4) Frame 14 only.
- (5) For use on a high resistive ground, an ungrounded distribution system, or a B phase grounded distribution system (Frame 9 only).

Comm Slot	
Code	Version
N	None
C	DPI™ ControlNet (Coax)
D	DPI DeviceNet
E	DPI EtherNet/IP
1 ⁽¹⁾	DriveLogix ControlNet (Coax)
2 ⁽¹⁾	DriveLogix ControlNet Redundant (Coax)
3 ⁽¹⁾	DriveLogix ControlNet (Fiber)
4 ⁽¹⁾	DriveLogix ControlNet Redundant (Fiber)
5 ⁽¹⁾	DriveLogix DeviceNet (Open Conn.)
6 ⁽¹⁾	DriveLogix EtherNet/IP

(1) Comm Slot options 1...6 are discontinued. They may exist in older models.

Control Options ⁽¹⁾			
Code	Logix Expansion	SynchLink	Cassette
A	No	No	Expanded
B	No	Yes	Expanded
C	Yes	No	Expanded
D	Yes	Yes	Expanded
G ⁽²⁾	—	No	Slim
H ⁽²⁾	—	Yes	Slim

- (1) Phase II control available only.
- (2) Frames 1...9 only.

Feedback	
Code	Option
N ⁽¹⁾	Standard (Incremental Encoder)
A ^{(2) (3) (4)}	Resolver
B ⁽²⁾⁽³⁾	Stegmann Hi-Resolution Encoder
C ⁽²⁾⁽³⁾	Multi-Device Interface
E ⁽²⁾	Second Encoder
S ⁽²⁾	Safe Torque Off (w/2nd Encoder)
T ⁽²⁾⁽³⁾	Stegmann Hi-Res Enc. (w/2nd Encoder)
U ⁽²⁾⁽³⁾	Stegmann Hi-Res Enc. (w/Safe Torque Off)

- (1) One encoder interface that is included with base drive.
- (2) Expanded cassette is required.
- (3) No longer available for sale as factory installed. They may exist in older models.
- (4) The PowerFlex 700S drive is not CE or UK Certified when the resolver feedback module is installed in the drive.

Additional Configuration	
Code	Description
E	Phase II Control
K	Phase II DriveLogix 5730
L ^{(1) (2)}	Phase II DriveLogix 5730 w/EtherNet/IP

- (1) This is an embedded EtherNet/IP option that is only available with DriveLogix 5730.
- (2) No longer available for sale as factory installed but can be ordered as a user installed kit. (kit 20D-DL2-ENET0).

c1

PowerFlex 700S ND Rating 208/240V, 60 Hz Input			
Code	Amps	Hp	Frame
4P2	4.8	1.0	1
6P8	7.8	2.0	
9P6	11	3.0	
015	17.5	5.0	2
022	25.3	7.5	
028	32.2	10	3
042	48.3	15	
052	56	20	4
070	78.2	25	
080	92	30	5
104	120	40	
130	130	50	6
154	177	60	
192	221	75	
260	260	100	

c2

PowerFlex 700S ND Rating 400V, 50 Hz Input			
Code	Amps	kW	Frame
2P1	2.1	0.75	1
3P5	3.5	1.5	
5P0	5.0	2.2	
8P7	8.7	4.0	
011	11.5	5.5	
015	15.4	7.5	
022	22	11	2
030	30	15	
037	37	18.5	
043	43	22	3
056	56	30	
072	72	37	4
085	85	45	
105	105	55	5
125	125	55	
170	170	90	6
205	205	110	
260	260	132	9 ⁽¹⁾
261	261	132	
300	300	160	10 ⁽¹⁾
385	385	200	
460	460	250	11 ⁽¹⁾
500	500	250	
590	590	315	12 ⁽¹⁾
650	650	355	
730	730	400	13 ⁽¹⁾
820	820	450	
920	920	500	13 ⁽¹⁾
1K0	1030	560	
1K1	1150	630	14 ⁽²⁾
1K3	1300	710	
1K4	1450	800	

(1) This model is no longer available for sale

c3

PowerFlex 700S ND Rating 480V, 60 Hz Input			
Code	Amps	Hp	Frame
2P1	2.1	1.0	1
3P4	3.4	2.0	
5P0	5	3.0	
8P0	8	5.0	
011	11	7.5	
014	14	10	
022	22	15	2
027	27	20	
034	34	25	3
040	40	30	
052	52	40	4
065	65	50	
077	77	60	5
096	96	75	
125	125	100	6
156	156	125	
180	180	150	9 ⁽¹⁾
248	248	200	
261	261	200	10 ⁽¹⁾
300	300	250	
385	385	300	11 ⁽¹⁾
460	460	350	
500	500	450	12 ⁽¹⁾
590	590	500	
650	650	500	13 ⁽¹⁾
730	730	600	
820	820	700	13 ⁽¹⁾
920	920	800	
1K0	1030	900	14 ⁽²⁾
1K1	1150	1000	
1K3	1300	1200	14 ⁽²⁾
1K4	1450	1250	

(1) This model is no longer available for sale

c5

PowerFlex 700S ND Rating 690V, 50 Hz Input ⁽¹⁾			
Code	Amps	kW	Frame
052	52	45	5
060	60	55	
082	82	75	
098	98	90	6
119	119	110	
142	142	132	9 ⁽²⁾
170	170	160	
208	208	200	10 ⁽²⁾
261	261	250	
325	325	315	11 ⁽²⁾
385	385	355	
416	416	400	12 ⁽²⁾
460	460	450	
502	502	500	13 ⁽²⁾
590	590	560	
650	650	630	14 ⁽²⁾
750	750	710	
820	820	800	14 ⁽²⁾
920	920	900	
1K0	1030	1000	14 ⁽²⁾
1K1	1180	1100	
1K5	1500	1500	

(1) CE and UK Certification testing has not been performed on 600V class drives Frames 1...4.

(2) This model is no longer available for sale

c4

PowerFlex 700S ND Rating 600V, 60 Hz Input ⁽¹⁾			
Code	Amps	Hp	Frame
1P7	1.7	0	1
2P7	2.7	2	
3P9	3.9	3	
6P1	6.1	5	
9P0	9	7.5	
011	11	10	
017	17	15	2
022	22	20	
027	27	25	3
032	32	30	
041	41	40	4
052	52	50	
062	62	60	5
077	77	75	
099	99	100	6
125	125	125	
144	144	150	9 ⁽²⁾
170	170	150	
208	208	200	10 ⁽²⁾
261	261	250	
325	325	350	11 ⁽²⁾
385	385	400	
416	416	450	12 ⁽²⁾
460	460	450	
502	502	500	13 ⁽²⁾
590	590	600	
650	650	700	14 ⁽²⁾
750	750	800	
820	820	900	14 ⁽²⁾
920	920	1000	
1K0	1030	1100	14 ⁽²⁾
1K1	1180	1300	
1K5	1500	1600	

(1) 600V class drives below 77 Amps (Frames 0...4) are declared to meet the EU Low Voltage Directive and UK LV Regulations. It is the responsibility of the user to determine compliance to the EU EMC Directive and UK EMC Regulations.

(2) This model is no longer available for sale.