

1336 PLUS II Drives Catalog Numbers

Figure 3 describes the 1336 PLUS II drive catalog numbering scheme.

Figure 3 - 1336 PLUS II Drive Catalog Number Explanation

1336F

– BR

First Position

Bulletin Number

Second Position

Voltage

Letter

Voltages

AQ

200-240V AC or 310V DC

BR

380-480VAC or 513-620V DC

CW

500-600V AC or 775V DC

A

200-240V AC

B

380-480V AC

BP/BPR

④ 380-480V AC (F Frame)

BX

Special Rating

C

500-600V AC

CP/CPR

④ 500-600V AC (F Frame)

Q

310V DC

R

513-620V DC

RX

Special Rating

W

775V DC

Third Position

Nominal HP Rating

Refer to table below for ratings and possible voltage combinations.

Fourth Position

Enclosure Type

Code

Type

AA

IP 20 (NEMA 1)

AE

IP 20 (NEMA 1)/EMC

AF

IP 65 (NEMA 4) ③

AJ

IP 54 (NEMA 12) ③

AN

IP 00 (Open)

Fifth Position

Language Group ①

Code

Language

EN

English

FR

French

DE

German

IT

Italian

ES

Spanish

JP

Japanese ⑤

Sixth Position

Options

Code

Description

Human Interface Module, Snap-In, IP20 (NEMA Type 1)

HASB

Snap-In Cradle/Blank Plate

HASP

Programmer Only

H CSP

Programmer Only & Upload/Download Capability

HAS1

Programmer/Controller w/Analog Pot

HCS1

Programmer/Controller w/Analog Pot & Upload/Download Capability

HAS2

Programmer/Controller w/Digital Pot

HCS2

Programmer/Controller w/Digital Pot & Upload/Download Capability

Human Interface Module, IP 65/54 (NEMA Type 4/12)

HJP

Programmer Only

HJ2

Programmer/Controller w/Digital Pot

Communication Options -- B Frame & Up (Adapter 6)

GM1

Single Point Remote I/O B Frame

GM2

RS-232/422/485, DF1 & DH485 B Frame

GM5

DeviceNet™

GM6

Enhanced DeviceNet™

Communication Options -- All Frames (Adapter 1)

GMS1

GM1 with Snap-In Cradle

GMS2

GM2 with Snap-In Cradle

GMS5

GM5 with Snap-In Cradle

GMS6

GM6 with Snap-In Cradle

Control Interface Options

L4

TTL Contact

L4E

TTL Contact & Encoder Feedback

L7E

TTL Contact & Encoder Fdbck. for use with Encoder Loss Detection

L5

24V AC/DC

L5E

24V AC/DC & Encoder Feedback

L8E

24V AC/DC & Encoder Feedback for use with Encoder Loss Detection

L6

115V AC

L6E

115V AC & Encoder Feedback

L9E

115V AC & Encoder Feedback for use with Encoder Loss Detection

Analog Interface Options -- Slot A

• Choose No More than One – Configurable Inputs/Outputs are 10V or 20mA

LA2

Two Isolated Configurable Inputs

LA6

One Isolated Bi-polar Input (□10V or □20mA) and One Isolated Thermistor Input

LA7

One Isolated Bi-polar Input (□10V or □20mA) and One Isolated Configurable Input

Analog Interface Options -- Slot B

• Choose No More than One – Configurable Inputs/Outputs are 10V or 20mA

LA1

Single-ended, Non-isolated Configurable (including Pot) Input & 2 Single-ended, Non-isolated Outputs (1 - Configurable, 1 - 20mA)

LA3

Two Isolated Configurable Outputs

LA4

One Isolated Configurable Input & Output

LA5

Isolated Pulse Input, Non-isolated Pulse Output & Single-ended, Non-isolated Configurable Output

Common Mode Choke -- F & G Frame (must be specified for F Frame)

CM

Internal Common Mode Choke (factory installed)

NCM

No Common Mode Choke

Voltage and Nominal HP Rating Combinations

Code	Rating	AQ	BR	CW	A	B	BP/BPR	BX	C	CP/CPR	Q	R	RX	W
F05	0.37 (0.5)	●	●											
F07	0.56 (0.75)	●	●											
F10	0.75 (1)	●	●	●										
F15	1.2 (1.5)	●	●											
F20	1.5 (2)	●	●	●										
F30	2.2 (3)	●	●	●										
F50	3.7 (5)	●	●	●										
F75	5.5 (7.5)	●	●	●										
F100	7.5 (10)		●	●										
F150	11 (15)		●	●										
F200	15 (20)		●	●										
007	5.5 (7.5)				●						●			
010	7.5 (10)				●						●			
015	11 (15)				●	●					●	●		
020	15 (20)				●	●					●	●		
025	18.5 (25)				●	●			●		●	●	●	●
030	22 (30)				●	●			●		●	●	●	●
040	30 (40)				●	●		●	●		●	●	●	●
050	37 (50)				●	●		●	●		●	●	●	●
060	45 (60)				●	●		●	●		●	●	●	●
075	56 (75)				●	●		●	●		●	●	●	●
100	75 (100)				●	●		●	●		●	●	●	●
125	93 (125)				●	●		●	●		●	●	●	●
150	112 (150)				●	●		●	●		●	●	●	●
200	149 (200)				●	●		●	●		●	●	●	●
250	187 (250) ②				●	●	●	●	●		●	●	●	●
300	224 (300) ②				●	●	●	●	●		●	●	●	●
350	261 (350) ②				●	●	●	●	●	●	●	●	●	●
400	298 (400) ②				●	●	●	●	●	●	●	●	●	●
450	336 (450) ②				●	●	●	●	●		●	●	●	●
500	373 (500) ②				●	●	●	●	●		●	●	●	●
600	448 (600)				●	●	●	●	●		●	●	●	●

① Language must be specified to ensure shipment of appropriate User Manual.

② G Frame Standard Drives in enclosed construction are supplied through the Configured Drives Program and will have an "A" suffix after the HP rating.

③ D through G frame drives in IP 65 (NEMA Type 4) and IP 54 (NEMA Type 12) configurations are supplied through the Configured Drives Program.

④ "xPR" has a "roll-in" type chassis.

⑤ Not available with v5.001 & later.

Table 7 - 1336 PLUS II Drive 380...480V Input/Output Current Ratings

Cat. No.	Constant Torque (380...480V Drives)				Variable Torque (480V Drives)				Variable Torque (400V Drives)			
	Input kVA	Input Amps	Output kVA	Output Amps	Input kVA	Input Amps	Output kVA	Output Amps	Input kVA	Input Amps	Output kVA	Output Amps
BRF05	0.9-1.0	1.3	0.9	1.1	1.1	1.4	1.0	1.2	0.9	1.4	1.0	1.33
BRF07	1.3...1.6	2.0	1.3	1.6	1.7	2.1	1.4	1.7	1.4	2.1	1.4	1.89
BRF10	1.7...2.1	2.6	1.7	2.1	2.2	2.8	1.8	2.3	1.8	2.8	1.8	2.55
BRF15	2.2...2.6	3.3	2.2	2.8	2.8	3.5	2.4	3.0	2.3	3.5	2.4	3.33
BRF20	3.0...3.7	4.6	3.0	3.8	3.8	4.8	3.2	4.0	3.2	4.8	3.2	4.44
BRF30	4.2...5.1	6.4	4.2	5.3	5.7	7.2	4.8	6.0	4.7	7.2	4.8	6.66
BRF50	6.6...8.0	10.0	6.7	8.4	8.5	10.7	7.2	9.0	7.0	10.7	7.2	9.99
BRF75	8.9...11.3	13.6	10.6	13.3	13.0	15.7	12.3	15.4	10.3	15.7	12.3	19.43
BRF100	10.8...13.6	16.4	12.8	16.1	18.6	22.4	17.5	22	14.7	22.4	17.5	22.00
BRF150	16.1...20.4	24.5	19.1	24	20.4	24.5	19.1	24	16.1	24.5	19.1	24.00
BRF200	18.0...23.0	28	22	27	23	28	22	27	18	28	22	27.75
B015	16...21	25	19	24.2	23	28	22	27	18	28	22	29.97
B020	21...26	32	25	31	29	35	27	34	23	35	27	37.74
B025	26...33	40	31	39	36	43	33	42	28	43	33	46.62
B030	30...38	46	36	45	41	49	38	48	32	49	38	53.28
BX040	40...50	61	47	59	50	61	47	59	40	61	47	66.60
B040	38...48	58	48	60	52	63	52	65	41	63	52	72.15
B050	48...60	73	60	75	62	75	61	77	49	75	61	83.25
BX060 ⁽¹⁾	62	75	61	77	62	75	61	77	62	75	61	85.47
B060	54...68	82	68	85	77	93	76	96	61	93	76	106.56
B075	69...87	105	84	106	99	119	96	120	78	119	96	133.20
B100	90...114	137	110	138	124	149	120	150	98	149	120	166.50
B125	113...143	172	138	173	148	178	143	180	117	178	143	199.80
BX150	148	178	143	180	148	178	143	180	148	178	143	199.80
B150	130...164	197	159	199	198	238	191	240	157	238	191	266.40
B200	172...217	261	210	263	241	290	233	292	191	290	233	324.12
B250	212...268	322	259	325	268	322	259	325	212	322	259	360.75
BP/BPR250	212...268	322	259	325	297	357	287	360	235	357	287	399.60
BX250	212...268	322	259	325	297	357	287	360	228	347	279	399.60
B300	235...297	357	287	360	350	421	339	425	261	397	319	471.75
BP/BPR300	235...297	357	287	360	350	421	339	425	277	421	339	471.75
B350	277...350	421	339	425	392	471	378	475	294	446	359	527.25
BP/BPR350	277...350	421	339	425	392	471	378	475	310	471	378	527.25
B400	310...392	471	387	475	433	521	418	525	326	496	398	582.75
BP/BPR400	310...392	471	378	475	438	527	424	532	347	527	424	532.05
B450	343...433	521	418	525	486	585	470	590	372	565	454	654.90
BP/BPR450	347...438	527	424	532	438	527	424	532	347	527	424	532.00
B500	385...486	585	470	590	552	664	534	670	437	664	534	743.70
B600	437...552	664	534	670	552	664	534	670	437	664	534	743.70

(1) 480 volts only.

Table 20 - 1336 PLUS to PowerFlex 750-Series Drives (600V AC) (Continued)

1336 PLUS Drive				PowerFlex 750-Series Drives			
Rating Code	Output Amps	Hp	Frame	Rating Code	Output Amps	Hp (ND)	Frame
C300	300	300	G	295	295	300	8
C350	350	350		355	355	350	
CP350	350	350					
C400	400	400		435	435	450	
CP400	400	400					
C450 ⁽²⁾	450	450		460	460	500	
C500 ⁽²⁾	500	500		510	510	500	
C600	598	600		630	630	700	9
				760	760	800	

(1) The drive must be reprogrammed to 2 kHz to achieve the listed current ratings.

(2) In firmware versions 2.04 and below, the factory default PWM is 4 KHz. The drive must be programmed to 2KHz to achieve current ratings listed.

Table 21 - 1336 PLUS II to PowerFlex 750-Series Drives (480V AC)

1336 PLUS II Drive ⁽¹⁾				PowerFlex 750-Series Drives			
Rating Code	Output Amps ⁽²⁾	Hp	Frame	Rating Code	Output Amps	Hp (ND)	Frame ⁽³⁾
BRF05	1.2	0.50	A1	2P1	2.1	1	1, 2
BRF07	1.7	0.75					
BRF10	2.3	1.0		3P4	3.4	2	
BRF15	3.0	1.5					
BRF20	4.0	2	A2	5P0	5	3	
BRF30	6.0	3		8P0	8	5	
BRF50	9.0	5	A3	011	11	7.5	
				014	14	10	