

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		F30		– AA		– EN		– MODS			
First Position Bulletin Number		Second Position Voltage		Third Position Nominal HP Rating		Fourth Position Enclosure Type		Fifth Position Language Group ①		Sixth Position Options			
		Letter	Voltages	Refer to table below for ratings and possible voltage combinations.		Code	Type	Code	Language				
		AQ	200-240V AC or 310V DC			AA	IP 20 (NEMA 1)	EN	English				
		BR	380-480VAC or 513-620V DC			AE	IP 20 (NEMA 1)/EMC	FR	French				
		CW	500-600V AC or 775V DC			AF	IP 65 (NEMA 4) ③	DE	German				
		A	200-240V AC			AJ	IP 54 (NEMA 12) ③	IT	Italian				
		B	380-480V AC			AN	IP 00 (Open)	ES	Spanish				
		BP/BPR	④ 380-480V AC (F Frame)									JP	Japanese ⑤
		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										

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.

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

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	