



The 1336 PLUS is a microprocessor based AC drive that provides a PWM adjustable frequency and voltage output for exceptional control of motor speed and torque. The output can be tuned to provide optimum performance under a wide variety of load conditions.

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Discrete Spare Parts

A complete listing of 1336 PLUS discrete spare parts can be found at:
www.ab.com/support/abdrives/1336/1336-6_5.pdf.

Conformity to Standards

The 1336 PLUS conforms to the following:

Conformity to:	Standard Product
UL Listed	✓
CSA Certified (C-UL)	✓
CE Conformity	✓
IEC Classified	✓
C-tick	✓

Standard Products Program

Drive mounting is available as IP20 (NEMA Type 1). A large offering of option kits are available for user installation. The 1336 PLUS can also be used with DriveTools32™ Suite, a family of software products that let you program, monitor and troubleshoot the drive. All products in this program are pre-defined and not generally subject to modification.

Product Selection

1336 PLUS Drive Catalog Number Explanation

1336S	–	BR	F30	–	AA	–	EN5
Bulletin Number		Drive Rating (must be specified)	Nominal HP Rating (must be specified)		Enclosure Type (must be specified)		Language (must be specified)
		Code Voltage	Code kW (HP)		Code Enclosure		Code Language
		AQ 200-240V AC or 310V DC	F10 0.75 (1) F15 1.2 (1.5) F20 1.5 (2) F30 2.2 (3) F50 3.7 (5) F100 7.5 (10)		AA IP 20 (NEMA 1)		EN5 English/English V5.xx
		BR 380-480VAC or 513-620V DC					
		CW 500-600V AC or 775V DC					
		or					
		A 200-240V AC	015 11 (15) 020 15 (20) 030 22 (30) 060 45 (60)				
		B 380-480V AC					
		BX Special Rating					
		C 500-600V AC					

200-240VAC Input, Constant/Variable Torque Drives

Frame	Drive Rating ^②			IP 20 (NEMA Type 1) General Purpose
	Output Amps	CT kW (HP)	VT kW (HP)	Code ^①
A1	4.5	0.75 (1)	0.75 (1)	AQF10-AA
A2	8.0	1.5 (2)	1.5 (2)	AQF20-AA
A3	18.0	3.7 (5)	3.7 (5)	AQF50-AA
B2	48.0	11 (15)	11 (15)	A015-AA

380-480VAC Input, Constant/Variable Torque Drives

Frame	Drive Rating ^③				IP 20 (NEMA Type 1) General Purpose
	Constant Torque		Variable Torque ^④		Code ^①
	Output Amps	kW (HP)	Output Amps	kW (HP)	
A1	2.8	1.2 (1.5)	3.0	1.2 (1.5)	BRF15-AA
A2	5.3	2.2 (3)	6.0	2.2 (3)	BRF30-AA
A4	17.5	7.5 (10)	25.0	11 (15)	BRF100-AA
B2	45.0	22 (30)	48.0	22 (30)	B030-AA
C	77.0	45 (60)	77.0	45 (60)	BX060-AA

500-600VAC Input, Constant/Variable Torque Drives

Frame	Drive Rating ^⑤				IP 20 (NEMA Type 1) General Purpose
	Constant Torque		Variable Torque		Code ^①
	Output Amps	kW (HP)	Output Amps	kW (HP)	
A4	8.0	3.7 (5)	8.0	3.7 (5)	CWF50-AA
B2	24.0	15 (20)	24.0	15 (20)	C020-AA
C	62.0	45 (60)	62.0	45 (60)	C060-AA

- ① A Language Module must be specified with each drive. See page 3 for choices. All Language Modules will now include a firmware reference in the catalog number.
- ② Drive Rating is based on nominal voltage of 240 volts and carrier frequency of 4 kHz at altitudes of 1000 meters or less. Refer to Publication 1336 PLUS-1.3 for derating information.
- ③ Drive Rating is based on nominal voltage of 480V and carrier frequency of 4 kHz (C Frame and smaller) at altitudes of 1000 meters or less. Refer to Publication 1336 PLUS-1.3 for derating information.
- ④ VT Ratings apply to 460V input only. Refer to the back cover for complete rating information.
- ⑤ Drive Rating is based on nominal voltage of 600V and carrier frequency of 4 kHz at altitudes of 1000 meters or less. Refer to Publication 1336 PLUS-1.3 for derating information.

Required Factory Installed Option

Language Module - Factory Installed

Description ^⑥	Used with . . .	Option Code (Firmware 5.xx)
English/English	All Drives	-EN5

- ⑥ For a more functionally complete description of each option, refer to Publication 1336 PLUS-1.3.

User Installed Options

Control Interface Kits.

Description ❶	Used with . . .	Catalog No. (Loose Kit)
Contact Closure	All 1336S Drives	1336-L4
24VAC/DC	All 1336S Drives	1336-L5
115VAC	All 1336S Drives	1336-L6
Contact Closure & Encoder Feedback	All 1336S Drives	1336-L4E
24VAC/DC and Encoder Feedback	All 1336S Drives	1336-L5E
115VAC and Encoder Feedback	All 1336S Drives	1336-L6E

Language Module Kit

Description ❶	Used with . . .	Catalog Number (loose kit - FRN 3.04)	Catalog Number (loose kit - FRN 5.xx)
English/English	All 1336S Drives	1336S-EN3	1336S-EN5
English/French	All 1336S Drives	1336S-FR3	1336S-FR5
English/German	All 1336S Drives	1336S-DE3	1336S-DE5
English/Italian	All 1336S Drives	1336S-IT3	1336S-IT5
English/Spanish	All 1336S Drives	1336S-ES3	1336S-ES5
English/Japanese	All 1336S Drives	N/A	1336S-JP5

Gasket and Enclosure Kits

Description ❶	Used with Frame . . .	Catalog Number (Loose Kit)		
		200-240V	380-480V	500-600V
Gasket Kits for mounting 1336S Drives in User Supplied IP 54 or 65 (NEMA Type 12 or 4) Encl.	A1, A2, A3	1336-RF3	1336-RF3	—
	A4	—	1336-RF2	1336-RF2
	B	1336-RF4	1336-RF4	1336-RF4
	C	1336-RF5	1336-RF5	1336-RF5
Enclosure Kits IP20 (NEMA Type 1)	A1, A2, A3	1336S-AA3	1336S-AA3	—
	A4	—	1336S-AA2	1336S-AA2
	B	1336S-AA4	1336S-AA4	1336S-AA4
	C	1336S-AA5	1336S-AA5	1336S-AA5
Enclosure Kits IP20 (NEMA Type 1) for CE/C-tick Conformance	A1, A2, A3	1336S-AE3	1336S-AE3	—
	A4	1336S-AE2	1336S-AE2	—
	B	1336S-AE4	1336S-AE4	1336S-AE4 ❷
	C	1336S-AE5	1336S-AE5	1336S-AE5 ❷
Enclosure Kits IP 54 (NEMA Type 12)	A1, A2, A3	1336S-AJA3	1336S-AJA3	—
	A4	—	1336S-AJA4B	1336S-AJA4C
	B1	1336S-AJB1A	1336S-AJB1B	1336S-AJB1C
	B2	1336S-AJB2A	1336S-AJB2B	1336S-AJB2C
	C	1336S-AJCA	1336S-AJCB	1336S-AJCC
Enclosure Kits IP 65 (NEMA Type 4) ❷	A1, A2, A3	1336S-AFA3	1336S-AFA3	—
	A4	—	1336S-AFA4B	1336S-AFA4C
	B1	1336S-AFB1A	1336S-AFB1B	1336S-AFB1C
	B2	1336S-AFB2A	1336S-AFB2B	1336S-AFB2C
	C	1336S-AFCA	1336S-AFCB	1336S-AFCC

❶ For a more functionally complete description of each option, refer to Publication 1336 PLUS-1.3.

❷ Use of a Door Mounted HIM on these Enclosures will void the NEMA Type 4 Rating.

❸ Using this kit with a 500-600V drive will not make the drive CE compliant. While these kits can offer EMC improvements, CE tests do not currently exist for equipment above 480V.

Dynamic Brake, Complete Kits

Description ❶	Brake Rating ❷	Catalog Number (Loose Kit)
For 200-240VAC Drives	3.7 kW (5 HP) Max.	1336-MOD-KA005
	7.5 kW (10 HP) Max.	1336-MOD-KA010
For 380-480VAC Drives	3.7 kW (5 HP) Max.	1336-MOD-KB005
	7.5 kW (10 HP) Max.	1336-MOD-KB010
	37 kW (50 HP) Max.	1336-MOD-KB050
For 500-600VAC Drives	3.7 kW (5 HP) Max.	1336-MOD-KC005
	7.5 kW (10 HP) Max.	1336-MOD-KC010
	37 kW (50 HP) Max.	1336-MOD-KC050

Dynamic Brake, Chopper Only Kits

Description ❶	Chopper Rating ❷	Catalog Number (Loose Kit)
200-240VAC	18A	1336-WA018
	70A	1336-WA070
	115A	1336-WA115
380-480VAC	9A	1336-WB009
	35A	1336-WB035
	110A	1336-WB110
500-600VAC	9A	1336-WC009
	35A	1336-WC035
	85A	1336-WC085

Junction Box, Complete Kit

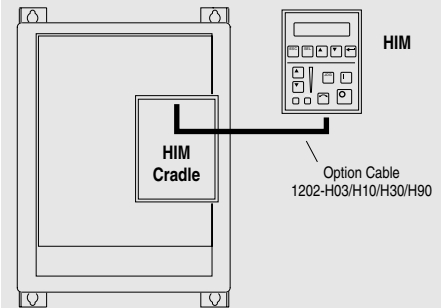
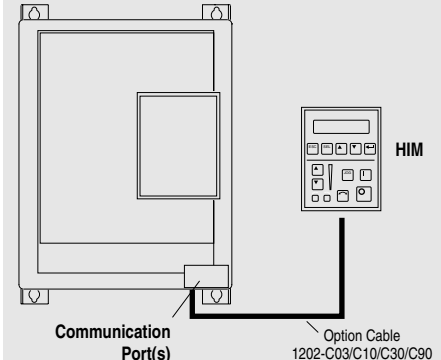
Description	Used with Enclosure Designation . . .	Catalog Number (Loose Kit)
For all B Frame Drives	-AA	1336-JBBA
IP 20 (NEMA Type 1)	-AE	1336-JBBE
For all C Frame Drives	-AA	1336-JBCA
IP 20 (NEMA Type 1)	-AE	1336-JBCE

Drive Software

Description	
DriveTools32™ Software	See publication 9303-PL002... for Ordering/Pricing Information
DriveExplorer™ Software	
Pocket DriveExplorer™ Software	

- ❶ For a more functionally complete description of each option, refer to Publication 1336 PLUS-1.3.
- ❷ Multiple brake kits may be utilized together to obtain higher kW (HP) ratings. Refer to Publication 1336-5.64 for guidance.
- ❸ Multiple chopper kits may be utilized together to obtain higher ratings. Refer to Publication 1336-5.65 for guidance.

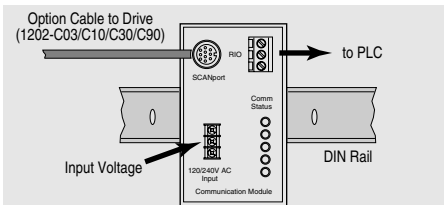
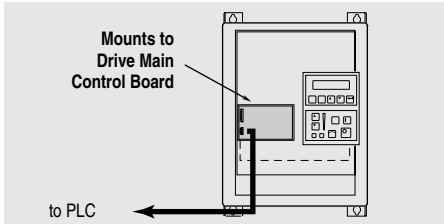
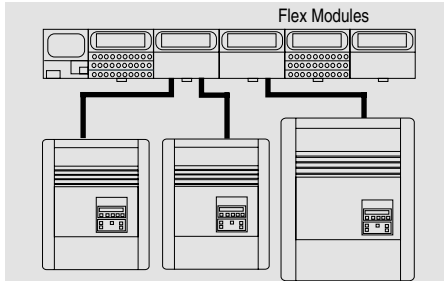
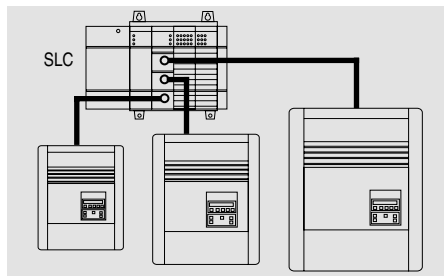
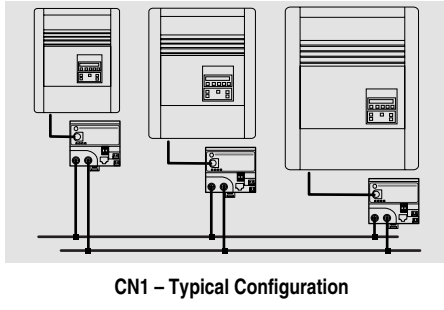
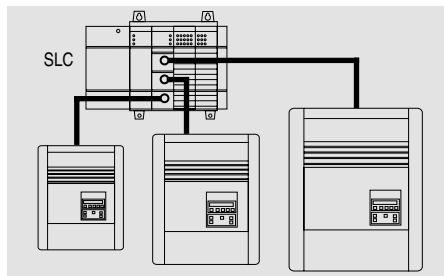
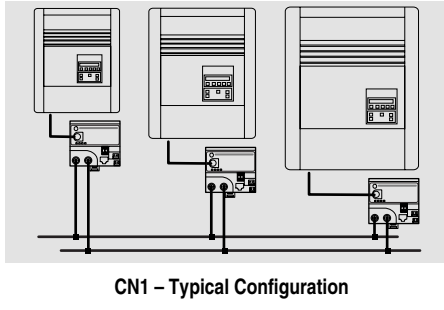
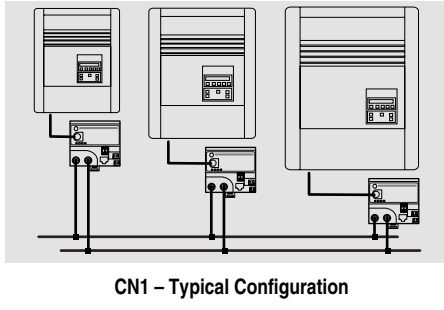
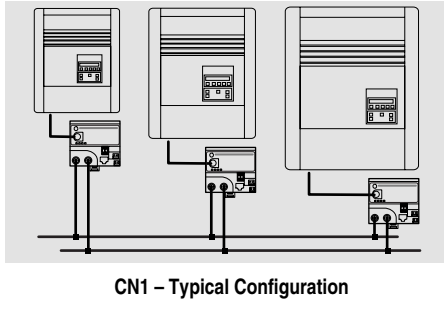
Human Interface Module (HIM) Kits - User Installed

	Description ❶	Used with . . .	Catalog Number (Loose Kit)
	IP 20 (NEMA Type 1) HIM Blank - No Functionality Programmer Only Programmer/Controller w/Analog Speed Pot. Programmer/Controller w/Digital Speed Pot.	All Open Chassis and IP 20 (NEMA Type 1) Drive Ratings	1201-HAB 1201-HAP 1201-HA1 1201-HA2
	IP 65 (NEMA Type 12/UL Type 4X-Indoor) HIM Programmer Only Programmer/Controller w/Digital Speed Pot.	IP 66 (NEMA Type 12/ UL Type 4X Indoor) Enclosures	1201-HJP ❷ 1201-HJ2 ❷
	Option Cable Kit - Connect to HIM Cradle Port 0.33 Meters (1.1 Feet) 1 Meter (3.3 Feet) 3 Meter (9.8 Feet) 9 Meter (29.5 Feet)	All HIMs not mounted on the drive chassis	1202-H03 1202-H10 1202-H30 1202-H90
	Option Cable Kit - Connect to Comm. Port 0.33 Meters (1.1 Feet) 1 Meter (3.3 Feet) 3 Meter (9.8 Feet) 9 Meter (29.5 Feet)	All HIMs not mounted on the drive chassis	1202-C03 1202-C10 1202-C30 1202-C90
	IP 20 (NEMA Type 1) Door Mount Bezel Kit	User Supplied IP 20 (NEMA Type 1) Enclo- sures and HIM	1201-DMA

❶ For a more functionally complete description of each option refer to Publication 1336 PLUS-1.3.

❷ Requires an Option Cable to be functional. These units are not acceptable for NEMA Type 4 door mounting or UL Type 4X outdoor duty.

Communication Option Kits

 GD1/GD2 – Typical Configuration	Description^❶	Used with . . .	Catalog Number (Loose Kit)
 GM1/GM2, GM5/GM6 – Typical Configuration	Remote Mounted (DIN Rail) – 115VAC Requires 115VAC power supply Single Point RIO RS232/422/485, DF1 and DH485 Protocol	All Drive Ratings	1203-GD1 ^❷ 1203-GD2 ^❷
 FB1 and FM1 – Typical Configuration	Remote Mounted (DIN Rail) – 24V DC Requires 24VDC power supply Single Point RIO RS232/422/485, DF1 and DH485 Protocol DeviceNet Enhanced DeviceNet	All Drive Ratings	1203-GK1 ^❷ 1203-GK2 ^❷ 1203-GK5 ^❷ 1203-GU6 ^{❷❹}
 SM1 – Typical Configuration	ControlNet™ to SCANport Adapter Remote Mounted (DIN Rail) – 24V DC Requires 24VDC power supply Flex™ I/O SCANport Module ^❸ Flex I/O Terminal Base Flex I/O Module Each FM1/FB1 combination provides a connection for up to 2 drive products.	All Drive Ratings	1203-GM1 1203-GM2 1203-GM5 1203-GM6
 CN1 – Typical Configuration	Serial Flash Cable Connects CN1, GU6 and SSS to a computer RS-232 port for adapter programming and for DriveTools32 & DriveExplorer™ serial interface.	All Drive Ratings	1203-CN1 ^{❷❹}
 SLC – Typical Configuration	SLC™ Communication Module (SLC 500 to SCANport Module) Provides a connection for up to 3 drive products.	All Drive Ratings	1203-SM1 ^❷
 SSS – Typical Configuration	Smart Serial to SCANport Adapter Includes 1203-SFC and 1202-C10 Cable Serial Null Modem Adapter	All Drive Ratings	1203-SFC 1203-SNM
 USB – Typical Configuration	Universal Serial Bus™ (USB) Converter Includes 2m USB, 20-HIM-H10 & 22-HIM-H10 Cables	All Drives	1203-USB
 Communication Option Cable Kit	Communication Option Cable Kit 0.33 Meters (1.1 Feet) 1 Meter (3.3 Feet) 3 Meter (9.8 Feet) 9 Meter (29.5 Feet)	All External Communication Options Listed Above	1202-C03 1202-C10 1202-C30 1202-C90
	SCANport™ Expander Option One to Two Port Expander Module One to Four Port Expander Module One to Two Port Splitter Cable	All Drive Ratings	1203-SG2 1203-SG4 1203-S03

- ❶ For a more functionally complete description of each option refer to Publication 1336 PLUS-1.3.
- ❷ Requires a Communication Option Cable (1202-C03/C10/C30/C90) to be functional. These units are not acceptable for NEMA Type 4 door mounting or UL Type 4X outdoor duty.
- ❸ Each Flex I/O SCANport Module requires (1) 1203-FB1 and (1) 1203-FM1.
- ❹ Adapter is programmed/configured with Windows® HyperTerminal via RS-232 using the 1203-SFC cable, (purchased separately) or using a compatible network specific software tool.

CE/C-tick Conformance

Conformance To CE requires all of the following:

- A Standard 1336 PLUS Drive with the “CE” mark on the data nameplate.
- A field installed Enclosure Option AE2, AE3, AE4 or AE5.
- Installation per the 1336 PLUS User Manual, pub. 1336 PLUS-5.0.
- An EMC Filter from the table below

Filter Catalog Number	Used with . . .
1336-RFB-7-A	1336S-AQF05 - AQF10 & 1336S-BRF05 - BRF20
1336-RFB-16-A	1336S-AQF15 - AQF20 & 1336S-BRF30 - BRF50
1336-RFB-30-A	1336S-AQF30 - AQF50
1336-RFB-30-A4	1336S-BRF75- BRF100
1336-RFB-27-B	1336S-A007 & 1336S-B007 - B015
1336-RFB-48-B	1336S-A010 - A015 & 1336S-B020 - B030
1336-RFB-80-C	1336S-A020 - A030 & 1336S-BX040 - BX060

Line Reactors, Isolation Transformers & Common Mode Chokes (For Remote User Mounting)

Specifications

Line Reactors

Iron core, 3% or 5% impedance, 600V, Class H insulation, 115 degree C rise, copper wound, 50/60 Hz., terminal blocks (80A and below), copper box lugs (160A and above), UL, CSA.

Isolation Transformers

230V/230V, 460V/460V or 575V/575V Delta primary/Wye secondary, Class H insulation, 150 degree C rise, aluminum wound, 60 Hz., $\pm 5\%$ taps, (1) N.C. thermostat per coil, UL, CSA.

Line Reactors – 200-240VAC Input

Drive Ratings kW (HP)	Input or Output Line Reactor – 3% Impedance		Input or Output Line Reactor – 5% Impedance	
	IP 00 (Open Style)	IP 11 (NEMA Type 1)	IP 00 (Open Style)	IP 11 (NEMA Type 1)
	Catalog Number	Catalog Number	Catalog Number	Catalog Number
0.37 (0.50)	1321-3R2-D	1321-3RA2-D	1321-3R2-A	1321-3RA2-A
0.56 (0.75)	1321-3R4-A	1321-3RA4-A	1321-3R4-B	1321-3RA4-B
0.75 (1)	1321-3R4-A	1321-3RA4-A	1321-3R4-B	1321-3RA4-B
1.2 (1.5)	1321-3R8-A	1321-3RA8-A	1321-3R8-B	1321-3RA8-B
1.5 (2)	1321-3R8-A	1321-3RA8-A	1321-3R8-B	1321-3RA8-B
2.2 (3)	1321-3R12-A	1321-3RA12-A	1321-3R12-B	1321-3RA12-B
3.7 (5)	1321-3R18-A	1321-3RA18-A	1321-3R18-B	1321-3RA18-B
5.5 (7.5)	1321-3R25-A	1321-3RA25-A	1321-3R25-B	1321-3RA25-B
7.5 (10)	1321-3R35-A	1321-3RA35-A	1321-3R35-B	1321-3RA35-B
11 (15)	1321-3R45-A	1321-3RA45-A	1321-3R45-B	1321-3RA45-B
15 (20) ②	1321-3R55-A ②	1321-3RA55-A ②	1321-3R55-B ②	1321-3RA55-B ②
15 (20)	1321-3R80-A	1321-3RA80-A	1321-3R80-B	1321-3RA80-B
18.5 (25)	1321-3R80-A	1321-3RA80-A	1321-3R80-B	1321-3RA80-B
22 (30)	1321-3R80-A	1321-3RA80-A	1321-3R80-B	1321-3RA80-B

Line Reactors – 380-480VAC Input

Drive Ratings kW (HP)	Input or Output Line Reactor – 3% Impedance		Input or Output Line Reactor – 5% Impedance	
	IP 00 (Open Style)	IP 11 (NEMA Type 1)	IP 00 (Open Style)	IP 11 (NEMA Type 1)
	Catalog Number	Catalog Number	Catalog Number	Catalog Number
0.37 (0.50)	1321-3R2-B	1321-3RA2-B	1321-3R2-B	1321-3RA2-B
0.56 (0.75)	1321-3R2-B	1321-3RA2-B	1321-3R2-B	1321-3RA2-B
0.75 (1)	1321-3R2-A	1321-3RA2-A	1321-3R2-B	1321-3RA2-B
1.2 (1.5)	1321-3R4-B	1321-3RA4-B	1321-3R4-C	1321-3RA4-C
1.5 (2)	1321-3R4-B	1321-3RA4-B	1321-3R4-C	1321-3RA4-C
2.2 (3)	1321-3R8-B	1321-3RA8-B	1321-3R8-C	1321-3RA8-C
3.7 (5)	1321-3R8-B	1321-3RA8-B	1321-3R8-C	1321-3RA8-C
5.5 (7.5)	1321-3R12-B	1321-3RA12-B	1321-3R12-C	1321-3RA12-C
7.5 (10)	1321-3R18-B	1321-3RA18-B	1321-3R18-C	1321-3RA18-C
11 (15)	1321-3R25-B	1321-3RA25-B	1321-3R25-C	1321-3RA25-C
15 (20)	1321-3R35-B	1321-3RA35-B	1321-3R35-C	1321-3RA35-C
18.5 (25)	1321-3R35-B	1321-3RA35-B	1321-3R35-C	1321-3RA35-C
22 (30)	1321-3R45-B	1321-3RA45-B	1321-3R45-C	1321-3RA45-C
30 (40)	1321-3R55-B	1321-3RA55-B	1321-3R55-C	1321-3RA55-C
37 (50)	1321-3R80-B	1321-3RA80-B	1321-3R80-C	1321-3RA80-C
45 (60)	1321-3R80-B	1321-3RA80-B	1321-3R80-C	1321-3RA80-C

② Input Reactor Only.

Line Reactors – 500-600VAC Input

Drive Ratings kW (HP)	Input or Output Line Reactor – 3% Impedance		Input or Output Line Reactor – 5% Impedance	
	IP 00 (Open Style)	IP 11 (NEMA Type 1)	IP 00 (Open Style)	IP 11 (NEMA Type 1)
	Catalog Number	Catalog Number	Catalog Number	Catalog Number
0.75 (1)	1321-3R2-B	1321-3RA2-B	1321-3R2-C	1321-3RA2-C
1.5 (2)	1321-3R4-C	1321-3RA4-C	1321-3R4-D	1321-3RA4-D
2.2 (3)	1321-3R8-B	1321-3RA8-B	1321-3R8-C	1321-3RA8-C
3.7 (5)	1321-3R8-B	1321-3RA8-B	1321-3R8-C	1321-3RA8-C
5.5 (7.5)	1321-3R8-B	1321-3RA8-B	1321-3R8-C	1321-3RA8-C
7.5 (10)	1321-3R12-B	1321-3RA12-B	1321-3R12-C	1321-3RA12-C
11 (15)	1321-3R18-B	1321-3RA18-B	1321-3R18-C	1321-3RA18-C
15 (20)	1321-3R25-B	1321-3RA25-B	1321-3R25-C	1321-3RA25-C
18.5 (25)	1321-3R25-B	1321-3RA25-B	1321-3R25-C	1321-3RA25-C
22 (30)	1321-3R35-B	1321-3RA35-B	1321-3R35-C	1321-3RA35-C
30 (40)	1321-3R45-B	1321-3RA45-B	1321-3R45-C	1321-3RA45-C
37 (50)	1321-3R55-B	1321-3RA55-B	1321-3R55-C	1321-3RA55-C
45 (60)	1321-3R80-B	1321-3RA80-B	1321-3R80-C	1321-3RA80-C

Common Mode Chokes (External to Drive)

Description ^②	Used with . . .	Catalog Number
Open Style, 1A	Communication and Signal Type Cables	1321-M001
Open Style, 9A (with Terminal Block)	All 1336 PLUS Drives Rated: 230V, 0.37-1.5 kW (0.5-2 HP) 480V, 0.37-3.7 kW (0.5-5 HP)	1321-M009
Open Style, 48A	All 1336 PLUS Drives Rated: 230V, 2.2-11 kW (3-15 HP) 480V, 5.5-22 kW (7.5-30 HP) 600V, 0.75-30 kW (1-40 HP)	1321-M048
Open Style, 180A	All 1336 PLUS Drives Rated: 230V, 15-22 kW (20-30 HP) 480V, 30-45 kW (40-X60 HP) 600V, 37-45 kW (50-60 HP)	1321-M180

② For a more functionally complete description of each option refer to Publication 1336 PLUS-1.3.

Isolation Transformers

Drive Ratings kW (HP)	230V Primary & 230V Secondary	460V Primary & 460V Secondary	575V Primary & 575V Secondary
	IP 32 (NEMA Type 3R)	IP 32 (NEMA Type 3R)	IP 32 (NEMA Type 3R)
	Catalog Number	Catalog Number	Catalog Number
0.37 (0.50)	1321-3TW005-AA	1321-3TW005-BB	—
0.56 (0.75)	1321-3TW005-AA	1321-3TW005-BB	—
0.75 (1)	1321-3TW005-AA	1321-3TW005-BB	1321-3TW005-CC
1.2 (1.5)	1321-3TW005-AA	1321-3TW005-BB	—
1.5 (2)	1321-3TW005-AA	1321-3TW005-BB	1321-3TW005-CC
2.2 (3)	1321-3TW005-AA	1321-3TW005-BB	1321-3TW005-CC
3.7 (5)	1321-3TW007-AA	1321-3TW007-BB	1321-3TW007-CC
5.5 (7.5)	1321-3TW011-AA	1321-3TW011-BB	1321-3TW011-CC
7.5 (10)	1321-3TW014-AA	1321-3TW014-BB	1321-3TW014-CC
11 (15)	1321-3TW020-AA	1321-3TW020-BB	1321-3TW020-CC
15 (20)	1321-3TW027-AA	1321-3TW027-BB	1321-3TW027-CC
18.5 (25)	1321-3TW034-AA	1321-3TW034-BB	1321-3TW034-CC
22 (30)	1321-3TW040-AA	1321-3TW040-BB	1321-3TW040-CC
30 (40)	1321-3TW051-AA	1321-3TW051-BB	1321-3TW051-CC
37 (50)	1321-3TH063-AA	1321-3TH063-BB	1321-3TH063-CC
45 (60)	1321-3TH075-AA	1321-3TH075-BB	1321-3TH075-CC

Reflected Wave Reduction Device

Description	Used with . . .	Catalog Number (Loose Kit)
380-575VAC, 9A IP 20 (NEMA Type 1)	0.37-3.7 kW (0.5-5 HP) 380-460V & 500-600V A Frame Drives	1204-RWR2-09-B

Terminator

Description ❷	Used with . . .	Catalog Number
IP 65 (NEMA Type 4x) Connection Cable Included	0.75-3.7 kW (1-5 HP), 460V Drives	1204-TFA1❸
	2.2-37 kW (3-50 HP), 460 & 575V Drives	1204-TFB2

❷ For a more functionally complete description of each option refer to Publication 1204-1.0.

❸ Limited to motor cable lengths of 61 meters (200 feet).