

# PowerFlex 700

## Human Interface Modules



Blank Plate    20-HIM-A3    20-HIM-A5    20-HIM-A6    20-HIM-C3S    20-HIM-C5S    20-HIM-C6S

## Human Interface Modules

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
No HIM (Blank Plate), Handheld/Local (Drive Mount)	20-HIM-A0	✓	✓	✓	✓	✓	✓
LCD Display, Full Numeric Keypad, Handheld/Local (Drive Mount)	20-HIM-A3	✓	✓	✓	✓	✓	
LCD Display, Programmer Only, Handheld/Local (Drive Mount)	20-HIM-A5	✓	✓	✓	✓	✓	
Enhanced, LCD, Full Numeric Keypad, Handheld/Local (Drive Mount)	20-HIM-A6	✓	✓	✓	✓	✓	✓ §
Remote (Panel Mount) LCD Display, Full Numeric Keypad * ‡	20-HIM-C3S	✓	✓	✓	✓	✓	
Remote (Panel Mount) LCD Display, Programmer Only * ‡	20-HIM-C5S	✓	✓	✓	✓	✓	
Enhanced, LCD, Full Numeric Keypad * ‡	20-HIM-C6S	✓	✓	✓	✓	✓	✓ ♦

\* IP66, NEMA Type 4X/12 - For indoor use only.

‡ Includes a 1202-C30 interface cable (3 meters) for connection to drive.

§ Select for Frames 2...5 IP54, NEMA/UL Type 12 drives.

♦ Select for Frames 6...7 IP54, NEMA/UL Type 12 drives.

## Human Interface Module Accessories

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
Bezel Kit for LCD HIMs, NEMA Type 1 ‡	20-HIM-B1	✓	✓	✓	✓	✓	✓
PowerFlex HIM Interface Cable, 1 m (39 in) ♣	20-HIM-H10	✓	✓	✓	✓	✓	✓
Comm Option Cable Kit (Male-Male)							
0.33 Meters (1.1 Feet)	1202-C03	✓	✓	✓	✓	✓	✓
1 Meter (3.3 Feet)	1202-C10	✓	✓	✓	✓	✓	✓
3 Meter (9.8 Feet)	1202-C30	✓	✓	✓	✓	✓	✓
9 Meter (29.5 Feet)	1202-C90	✓	✓	✓	✓	✓	✓
Cable Kit (Male-Female) Δ							
0.33 Meters (1.1 Feet)	1202-H03	✓	✓	✓	✓	✓	✓
1 Meter (3.3 Feet)	1202-H10	✓	✓	✓	✓	✓	✓
3 Meter (9.8 Feet)	1202-H30	✓	✓	✓	✓	✓	✓
9 Meter (29.5 Feet)	1202-H90	✓	✓	✓	✓	✓	✓
DPI™ Cable Kit with Connectors, Tools and 100 m (328 ft) Cable	1202-CBL-KIT-100M	✓	✓	✓	✓	✓	✓
DPI Cable Connector Kit	1202-TB-KIT-SET	✓	✓	✓	✓	✓	✓
DPI/SCANport™ One to Two Port Splitter Cable	1203-S03	✓	✓	✓	✓	✓	✓

‡ Includes a 1202-C30 interface cable (3 meters) for connection to drive.

♣ Required only when HIM is used as handheld or remote.

Δ Required in addition to 20-HIM-H10 for distances up to a total maximum of 10 Meters (32.8 Feet).

## Communication Option Kits

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
BACnet/IP Option Module	20-750-BNETIP						✓
BACnet® MS/TP RS485 Communication Adapter	20-COMM-B	✓	✓	✓			
Coaxial ControlNet™ Option Module	20-750-CNETC						✓
ControlNet™ Communication Adapter (Coax)	20-COMM-C	✓	✓	✓	✓	✓	✓ §
ControlNet™ Communication Adapter (Coax) Conformal Coat	20-COMM-C-MX3	✓	✓	✓	✓	✓	✓ §
DeviceNet™ Option Module	20-750-DNET						✓
DeviceNet™ Communication Adapter	20-COMM-D	✓	✓	✓	✓	✓	✓ §
DeviceNet™ Communication Adapter Conformal Coat	20-COMM-D-MX3	✓	✓	✓	✓	✓	✓ §
Dual-port EtherNet/IP Option Module	20-750-ENETR						✓
EtherNet/IP™ Communication Adapter	20-COMM-E	✓	✓	✓	✓	✓	✓ §
EtherNet/IP™ Communication Adapter Conformal Coat	20-COMM-E-MX3	✓	✓	✓	✓	✓	✓ §
Dual-port EtherNet/IP™ Communication Adapter	20-COMM-ER	✓	✓	✓	✓	✓	
HVAC Communication Adapter	20-COMM-H	✓	✓	✓	✓ ♣	✓	✓ §
CANopen® Communication Adapter	20-COMM-K	✓	✓	✓	✓	✓	✓ §
LonWorks® Communication Adapter	20-COMM-L	✓	✓	✓			✓ §
Modbus/TCP Communication Adapter	20-COMM-M	✓	✓	✓	✓	✓	✓ §
Profibus DPV1 Option Module	20-750-PBUS						✓
Single-port Profinet I/O Option Module	20-750-PNET						✓ ♣
Dual-port Profinet I/O Option Module	20-750-PNET2P						✓ ♣
PROFIBUS™ DP Communication Adapter	20-COMM-P	✓	✓	✓	✓	✓	✓ §
ControlNet™ Communication Adapter (Fiber)	20-COMM-Q	✓	✓	✓	✓	✓	✓ § & ¶
Remote I/O Communication Adapter Δ	20-COMM-R	✓	✓	✓	✓	✓	✓ §
Remote I/O Communication Adapter Conformal Coat Δ	20-COMM-R-MX3	✓	✓	✓	✓	✓	✓ §
RS485 DF1 Communication Adapter	20-COMM-S	✓	✓	✓	✓	✓	✓ §
RS485 DF1 Communication Adapter Conformal Coat	20-COMM-S-MX3	✓	✓	✓	✓	✓	✓ §
External Communications Kit Power Supply	20-XCOMM-AC-PS1	✓	✓	✓	✓	✓	✓
DPI External Communications Kit	20-XCOMM-DC-BASE	✓	✓	✓	✓	✓	✓
External DPI I/O Option Board ♦	20-XCOMM-IO-OPT1	✓	✓	✓	✓	✓	✓
Compact I/O Module (3 Channel)	1769-SM1	✓	✓	✓	✓	✓	✓
DriveLogix ControlNet Communication Adapter (Coax) ‡	1788-CNC				✓	✓ ▶	
DriveLogix Comm Option, ControlNet Redundant (Coax) ‡	1788-CNCR				✓	✓ ▶	
DriveLogix Comm Option, ControlNet (Fiber) ‡	1788-CNF				✓	✓ ▶	
DriveLogix Comm Option, ControlNet Redundant (Fiber) ‡	1788-CNFR				✓	✓ ▶	
DriveLogix Comm Option, DeviceNet (Open Conn.) ‡	1788-DNBO				✓	✓ ▶	
DriveLogix Comm Option, EtherNet/IP (Twisted Pair) ‡	1788-ENBT				✓	✓ ▶	
DriveLogix5730 Comm Option, Embedded EtherNet/IP	20D-DL2-ENET0				✓	✓ ▶	

♦ For use only with DPI External Communications Kits 20-XCOMM-DC-BASE.

♣ Only Modbus RTU can be used.

‡ For use with DriveLogix option only. Requires Logix Expansion Board (20D-DL2-LEB0).

§ Requires a Communication Carrier Card (20-750-20COMM or 20-750-20COMM-F1). Refer to **PowerFlex 750-Series Legacy Communication Compatibility** for compatibility details.

▶ When using a PowerFlex 700S control.

Δ This item has Silver Series status. For information, refer to <http://www.ab.com/silver>.

& Not supported in Frame 1.

♣ Contact your local Rockwell Automation sales office or Allen-Bradley distributor for availability.

### PowerFlex 750-Series Legacy Communication Compatibility

Most legacy communication adapters (20-COMM) can be used with the PowerFlex 753/755. However, the restrictions stated below do apply.

Frame 1 - It is recommended that the 20-750-20COMM-F1 Communication Carrier Card only be installed in Port 4. Port 5 will not be accessible when this module is installed.

Frames 2 and larger - It is recommended that the 20-750-20COMM Communication Carrier Card be installed in Port 6. Using Port 4 or 5 will make the adjacent left port inaccessible to other option modules and may interfere with network cable connections.

Adapter	Accesses Ports 2, 3 and 6 for I/O Connections (Implicit & Explicit Messaging)	Accesses Port 7...14 Devices	Supports Drive Add On Profiles	Supports Asian-Languages ♦
20-COMM-B	Not Compatible			
20-COMM-C	✓ ‡	✓ v3.001 ♣	✓ Δ	✓ v3.001 ♣
20-COMM-D		Not Compatible		
20-COMM-E		✓ v4.001 ♣	✓ Δ	✓ v4.001 ♣
20-COMM-H	✓ v2.009 §	Not Compatible		
20-COMM-K	✓ v1.001 ♣			
20-COMM-L	✓ v1.007 ♣			
20-COMM-M	✓ ‡	✓ v2.001 ♣	Not Compatible	✓ v2.001 ♣
20-COMM-Q	✓ ‡	✓ v3.001 ♣	✓ Δ	✓ v3.001 ♣
20-COMM-R	Not Compatible			
20-COMM-S				

‡ Controller must be capable of reading/writing 32-bit floating point (REAL) values.

§ Supports all three modes of operation (RTU, P1, N2).

♣ Requires this adapter firmware version or higher.

Δ Requires firmware version v1.05 or higher of the drive Add On Profiles for Studio 5000 Logix Designer software.

♦ Chinese, Japanese, and Korean languages are supported at the time of publication.

## Communication Accessories

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
Serial Null Modem Adapter	1203-SNM	✓	✓	✓	✓	✓	✓
Smart Self-powered Serial Converter (RS232) includes 1203-SFC and 1202-C10 Cables	1203-SSS	✓	✓	✓	✓	✓	✓
Universal Serial Bus™ (USB) Converter includes 2m USB, 20-HIM-H10 & 22-HIM-H10 Cables	1203-USB	✓	✓	✓	✓	✓	✓
ControlNet T-tap straight	1786-TPS						✓
ControlNet T-tap right angle	1786-TPR				✓	✓	
Communication Carrier Card for PowerFlex 750-Series Frame 1 drives	20-750-20COMM-F1						✓
Communication Carrier Card for PowerFlex 750-Series Frame 2 or higher drives	20-750-20COMM						✓

## I/O Option Kits

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
24V DC Digital Inputs (6) w/Analog I/O (4), Slot A ♣	20C-DA1-A			✓			
115V AC Digital Inputs (6) w/Analog I/O (4), Slot A ♣	20C-DA1-B			✓			
115V AC Digital Outputs (3), Slot B ♣	20C-DO1			✓			
ATEX Option Module with 1 Thermosensor Input Connection (requires 11-Series I/O Module below)	20-750-ATEX						✓ §
24V DC 11-Series I/O Module with 1 Analog In, 1 Analog Out, 3 Digital In and 2 Relay Outputs	20-750-1132C-2R						✓ §
24V DC 11-Series I/O Module with 1 Analog In, 1 Analog Out, 3 Digital In, 1 Relay & 2 Transistor Outputs	20-750-1133C-1R2T						✓ §
115V AC 11-Series I/O Module with 1 Analog In, 1 Analog Out, 3 Digital In and 2 Relay Outputs	20-750-1132D-2R						✓ §
24V DC 22-Series I/O Module with 2 Analog In, 2 Analog Out, 6 Digital In and 2 Relay Outputs	20-750-2262C-2R						✓ §
115V AC 22-Series I/O Module with 2 Analog In, 2 Analog Out, 6 Digital In and 2 Relay Outputs	20-750-2262D-2R						✓ §
24V DC 22-Series I/O Module with 2 Analog In, 2 Analog Out, 6 Digital In, 3 Digital Out, 1 Relay & 2 Transistor Outputs	20-750-2263C-1R2T						✓ §

♣ Only one card allowed per slot.

§ I/O option kits are not allowed in CIP motion mode.

## Safety Options

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
DriveGuard Safe Torque-Off	20A-DG01	✓					
DriveGuard Safe Torque-Off w/2nd Encoder	20D-P2-DG01				✓	✓ ▶	
Safe Torque-Off (ATEX capable) †	20C-DG1			✓			
Safe Torque-Off	20-750-S						✓ *
Safe Speed Monitor	20-750-S1						✓ * ‡

‡ Only one card allowed per slot.

▶ When using PowerFlex 700S control. This option kit cannot be used on Frame 2 drives, however it is available as a factory installed option.

‡ Requires the Dual Incremental Encoder or Universal Feedback Option. Also requires the 20-750-EMCSSM1-F8 EMC Option Kit with Frame 8...9 drives.

\* Drive can accommodate only one option.

## Feedback Options

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
5V/12V Encoder &	20A-ENC-1	✓					
12V/5V Encoder	20B-ENC-1		✓ #			✓ #	
12V/5V Encoder with Conformal Coat	20B-ENC-1-MX3		✓ #				
Multi-Device Interface †	20D-MDI-C2				✓	✓ ▶	
2nd Encoder, 5V/12V †	20D-P2-ENC0				✓	✓ ▶	
Resolver †	20D-RES-A1				✓	✓ ▶	
Stegmann High Resolution Hyperface Encoder †	20D-STEG-B1				✓	✓ ▶	
Heidenhain High Resolution EnDat Encoder	20D-HEID-D0				✓	✓ ▶	
Incremental Encoder	20-750-ENC-1						✓ ‡
Dual Incremental Encoder	20-750-DENC-1						✓ ‡
Universal Feedback (includes Stegmann, Heidenhain, SSI, Biss, 5V Incremental)	20-750-UFB-1						✓ *

& Works only with PowerFlex 70 Enhanced Control.

† Requires Expanded Cassette

# When using a PowerFlex 700 with Vector Control.

\* PowerFlex 755 only.

▶ When using a PowerFlex 700S control.

‡ Homing and registration functions are not supported when using this device with Studio 5000 Logix Designer embedded motion instructions. To use these functions, the Universal Feedback Board (20-750-UFB-1) must be used.

## PowerFlex 700 Control Option Kits

Control with I/O	Factory Installed Cat. Code #	Cat. No.	Used with PowerFlex Drive					
			70	700	700H	700S	700L	753/755
Vector Control - 24V DC with: ▶								
60 Hz Maximum	NNAD	20B-VECT-C0AD	✓					
82 Hz Maximum	NNAX	20B-VECTB-C0AX	✓					
Cascading Fan/Pump Control	NNAE	20B-VECT-C0AE	✓					
Pump Off (for Pump Jack)	NNBA	20B-VECTB-C0BA	✓					
Vector Control - 24V DC, Conformal Coat ▶	-	20B-VECTB-C0-MX3	✓					
Vector Control - 115V AC ▶	D &	20B-VECTB-D0	✓					
Vector Control - 115V AC with: ▶								
60 Hz Maximum	NNAD	20B-VECT-D0AD	✓					
82 Hz Maximum	NNAX	20B-VECTB-D0AX	✓					
Cascading Fan/Pump Control	NNAE	20B-VECT-D0AE	✓					
Pump Off (for Pump Jack)	NNBA	20B-VECT-D0BA	✓					
Vector Control - 115V AC, Conformal Coat ▶	-	20B-VECTB-D0-MX3	✓					

▶ Vector Control option utilizes DPI Only.

# This code is entered at the end of the drive catalog number (positions 17...20).

& This code is entered at position 15 of the drive catalog number.

## PowerFlex 750-Series Option Kits

Description		Frame	Cat. No.	Used with PowerFlex Drive							
				70	700	700H	700S	700L	753/755		
Auxiliary Power Supply	24V Aux Power Supply	2...7 Δ	20-750-APS							✓	
DC Bus Bar Option Kit	DC Bus Bars for 380...480V AC drives	6	20-750-DCBB1-F6							✓	
		7	20-750-DCBB1-F7							✓	
	DC Bus Bars for 600...690V AC drives	6	20-750-DCBB2-F6							✓	
		7	20-750-DCBB2-F7							✓	
DC Bus Connection Kit	Connects the drive DC bus terminals to the cabinet bus rails.	8...10	20-750-BUS1A-F8							✓	
EMC Option Kit	EMC Plate with Core for 380...480V AC drives	1	20-750-EMC1-F1							✓	
		2	20-750-EMC1-F2							✓	
		3	20-750-EMC1-F3							✓	
	EMC Plate with Core for 600V AC drives	3	20-750-EMC3-F3							✓	
	EMC Plate with Cores for 380...480V AC drives	4	20-750-EMC1-F4								✓
		5	20-750-EMC1-F5								✓
	EMC Plate with Cores for 600V AC drives	4	20-750-EMC3-F4								✓
		5	20-750-EMC3-F5								✓
	EMC Core for 380...480V AC drives	1	20-750-EMC2-F1								✓
		2	20-750-EMC2-F2								✓
		3	20-750-EMC2-F3								✓
	EMC Core for 600V AC drives	3	20-750-EMC4-F3								✓
		4...5	20-750-EMC2-F45								✓
	EMC Cores for 380...480V AC drives	4	20-750-EMC4-F4								✓
		5	20-750-EMC4-F5								✓
	EMC Plate with Cores for 600...690V AC drives	6	20-750-EMC3-F6								✓
		7	20-750-EMC3-F7								✓
	EMC Plate with Cores for 600...690V AC drives (IP54 Only)	6	20-750-EMC5-F6								✓
		7	20-750-EMC5-F7								✓
	EMC Core - Inverter-mounted output, for 380...690V AC input and DC input drives.	8...10	20-750-EMCCM1-F8								✓
EMC Core - Cabinet-mounted input, for 380...690V Common DC Input drives only.	8...10	20-750-CBPEMCCM1-F8								✓	
EMC Core - Cabinet-mounted input, for 380...690V AC input drives only.	8...10	20-750-EMCCM1-F9								✓	
EMC Cores - Required when using the Safe Speed Monitor option 20-750-S1 with 380...690V drives.	8...10	20-750-EMCSSM1-F8								✓	
Door Shielding Kit		8...10	20-750-EMCDK1-F10							✓	
Flange Adapter Kit	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 1 integrity backside. This kit is for use with IP20, NEMA/UL Type 0 drives and will not provide an air-tight or water-tight seal. Where sealing is required (e.g. contaminated, dirty or wet environments), a drive with an "F" enclosure option must be used.	2	20-750-FLNG1-F2							✓	
		3	20-750-FLNG1-F3							✓	
		4	20-750-FLNG1-F4								✓
		5	20-750-FLNG1-F5								✓
	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 4X/12 integrity backside.	6	20-750-FLNG4-F6								✓
		7	20-750-FLNG4-F7								✓
L Bus Bar Kit	Includes three L-brackets	8...10	20-750-LBRKT1							✓	
NEMA/UL Type 1 Option Kit	NEMA/UL Type 1 Kit	1	20-750-NEMA1-F1							✓	
		2	20-750-NEMA1-F2							✓	
		3	20-750-NEMA1-F3							✓	
		4	20-750-NEMA1-F4							✓	
		5	20-750-NEMA1-F5							✓	
		6	20-750-NEMA1-F6							✓	
		7	20-750-NEMA1-F7							✓	
Power Terminal Extension	Allows connection of two parallel leads to the AC terminals.	6	20-750-ACTE1-F6							✓	
Power Terminal Guard	Provides additional ingress protection on power terminals.	6	20-750-PTG1-F6							✓	
		7	20-750-PTG1-F7							✓	

continued

## PowerFlex 750-Series Option Kits (continued)

Description		Frame	Cat. No.	Used with PowerFlex Drive						
				70	700	700H	700S	700L	753/755	
Remote Control POD Mounting Kit	Hardware, fiber-optic, and power supply cables to remotely mount the control POD up to 23 m (75 ft) from the drive.	8...10	20-750-RPD1-F8							✓
Roll-Out Cart	A wheeled roll-out cart that facilitates drive installation and removal. Required for Frame 8 and larger drives.	8...10	20-750-CART1-F8							✓

Δ Frame 8 and up drives can be powered from an external 24V DC source, a 20-750-APS is not required.

## Other Options

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
115V AC Interface	AK-M9-115VAC-1	✓					
Frame E Flange Gasket	AK-M9-GASKET1-E4	✓					
Service Connection Board *	SK-M9-SCB1	✓					
Removable I/O Terminal Block	SK-G9-TB1-S1		✓				
Removable Encoder Terminal Block	SK-G9-TB1-ENC1		✓				
Touch Cover - Converts IP00/Open Type drive to IP20/NEMA/UL Type 1. No wiring space provided.	20-OPT-TC			✓			
Top Hat - Converts IP00/Open Type drive to IP20/NEMA/UL Type 1. Allows for wiring space.	20-OPT-TH			✓			
Auxiliary Control Power Supply	20-24V-AUX1				✓		
PowerFlex 700S Phase II Control with Expanded Cassette	20D-P2-CKE1				✓	✓ ▶	
PowerFlex 700S Phase II Control with Slim Cassette	20D-P2-CKS1				✓		
PowerFlex 700S DriveLogix5730 Phase II Control with Expanded Cassette	20D-DL2-CKE1				✓	✓ ▶	
PowerFlex 700S DriveLogix5730 Phase II Control with Slim Cassette	20D-DL2-CKS1				✓		

\* Provides temporary DPI/HIM connection for NEMA/UL Type 1 and Flange drives with cover removed.

▶ When using PowerFlex 700S control and Expanded Cassette.

## SynchLink Accessories

Description *	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
SynchLink Board	20D-P2-SLB0				✓	✓ ▶	
SynchLink Fiber Base Block	1751-SLBA				✓	✓ ▶	
SynchLink 4-port Fiber Splitter Block	1751-SL4SP				✓	✓ ▶	
SynchLink Fiber Bypass Switch Block	1751-SLBP				✓	✓ ▶	
2x3 Meter Fiber Link for Power Monitor/SynchLink	1403-CF003				✓	✓ ▶	
2x5 Meter Fiber Link for Power Monitor/SynchLink	1403-CF005				✓	✓ ▶	
10 Meter Fiber Link for Power Monitor/SynchLink	1403-CF010				✓	✓ ▶	

\* Refer to publication number 1769-SG001 for details on SynchLink.

▶ When using PowerFlex 700S control.

## DriveLogix Option Kits

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
Logix Expansion board for DriveLogix5730 ♦	20D-DL2-LEB0				✓	✓ ▶	
Industrial Compact Flash 64 MB Memory Card for DriveLogix5730	1784-CF64				✓	✓ ▶	

♦ Requires Expanded Cassette.

▶ When using PowerFlex 700S control.

## DriveLogix I/O Cables

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
DriveLogix5730 - Compact I/O cable, 3.28 ft. (1 meter), Left Bus Cap ♦ ♣	20D-DL2-CL3				✓	✓ ▶	
DriveLogix5730 - Compact I/O cable, 3.28 ft. (1 meter), Right Bus Cap ♦ ♣	20D-DL2-CR3				✓	✓ ▶	
Logix5000 RS-232 Programming Cable	1756-CP3				✓	✓ ▶	

♦ Requires Expanded Cassette.

♣ Refer to Publication 1769-SG001 for details and selection of Compact I/O.

▶ When using PowerFlex 700S control.

## PowerFlex 70 Small Duty Internal Dynamic Brake Resistors

Limited duty resistors mount directly to the back surface of the drive and require no extra panel space. Internal resistors are non-destructive and do not require a resistor overheat external safety circuit.

PowerFlex 70 AC Drive			Small Duty Internal DB Resistor								
Normal Duty* kW (Hp)	Heavy Duty* kW (Hp)	Min DB Res Ohms ±10%	Cat. No.	Resistance‡ Ohms ±5%	Continuous Power kW	Max Energy kJ	Max Braking Torque % of ND Motor	Application Type 1		Application Type 2	
								Braking Torque % of ND Motor	Duty Cycle	Braking Torque % of ND Motor	Duty Cycle
<b>200...240 Volt AC Input Drives</b>											
0.37 (0.5)	0.25 (0.33)	33	20AB-DB1-A	62	0.048	8.3	307%	100%	25.9%	150%	17.3%
0.75 (1.0)	0.55 (0.75)	33	20AB-DB1-A	62	0.048	7.3	300%	100%	12.8%	150%	8.5%
1.5 (2.0)	1.1 (1.5)	33	20AB-DB1-B	62	0.028	0.8	160%	100%	3.7%	150%	2.5%
2.2 (3.0)	1.5 (2.0)	33	20AB-DB1-B	62	0.028	0.8	109%	100%	2.5%	109%	2.3%
4.0 (5.0)	3.0 (3.0)	30	20AB-DB1-C	62	0.040	0.8	60%	60%	3.3%	N/A	N/A
5.5 (7.5)	4.0 (5.0)	21	20AB-DB1-D	22	0.036	0.9	117%	100%	1.3%	117%	1.1%
7.5 (10)	5.5 (7.5)	21	20AB-DB1-D	22	0.036	0.9	86%	86%	1.1%	N/A	N/A
<b>400...480 Volt AC Input Drives</b>											
0.37 (0.5)	0.25 (0.33)	68	20AD-DB1-A	115	0.048	8.3	320%	100%	25.9%	150%	17.3%
0.75 (1.0)	0.55 (0.75)	68	20AD-DB1-A	115	0.048	9.0	259%	100%	12.8%	150%	8.5%
1.5 (2.0)	1.1 (1.5)	68	20AD-DB1-A	115	0.048	2.4	243%	100%	6.4%	150%	4.3%
2.2 (3.0)	1.5 (2.0)	68	20AD-DB1-B	115	0.028	0.9	206%	100%	2.5%	150%	1.7%
4.0 (5.0)	3.0 (3.0)	68	20AD-DB1-B	115	0.028	0.9	129%	100%	1.4%	129%	1.1%
5.5 (7.5)	4.0 (5.0)	74	20AD-DB1-C	115	0.04	0.9	94%	94%	1.5%	N/A	N/A
7.5 (10)	5.5 (7.5)	74	20AD-DB1-C	115	0.04	0.9	69%	69%	1.5%	N/A	N/A
11 (15)	7.5 (10)	44	20AD-DB1-D	62	0.036	0.8	87%	87%	0.8%	N/A	N/A
15 (20)	11 (15)	31	20AD-DB1-D	62	0.036	0.8	64%	64%	0.8%	N/A	N/A
<b>500...600 Volt AC Input Drives</b>											
0.37 (0.5)	0.25 (0.33)	117	20AD-DB1-A	115	0.048	8.3	287%	100%	25.9%	150%	17.3%
0.75 (1.0)	0.55 (0.75)	117	20AD-DB1-A	115	0.048	9.0	263%	100%	12.8%	150%	8.5%
1.5 (2.0)	1.1 (1.5)	117	20AD-DB1-A	115	0.048	2.4	243%	100%	6.4%	150%	4.3%
2.2 (3.0)	1.5 (2.0)	117	20AD-DB1-B	115	0.028	0.9	202%	100%	2.5%	150%	1.7%
4.0 (5.0)	3.0 (3.0)	80	20AD-DB1-B	115	0.028	0.9	193%	100%	1.4%	150%	0.9%
5.5 (7.5)	4.0 (5.0)	80	20AD-DB1-C	115	0.04	0.9	147%	100%	1.5%	147%	1.0%
7.5 (10)	5.5 (7.5)	80	20AD-DB1-C	115	0.04	0.9	108%	100%	1.1%	108%	1.0%
11 (15)	7.5 (10)	48	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15 (20)	11 (15)	48	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\* Duty cycle listed is based on full speed to zero speed deceleration. For constant regen at full speed, duty cycle capability is half of what is listed. Application Type 1 represents maximum capability up to 100% braking torque where possible. Application Type 2 represents more than 100% braking torque where possible, up to a maximum of 150%.

‡ Always check resistor Ohms against minimum resistance for drive being used.

## PowerFlex 70 Medium Duty External Dynamic Brake Resistors

These resistors provide a larger duty cycle capability than the internal type. Includes an internal thermal switch for use in external safety circuit.

PowerFlex 70 AC Drive			Medium Duty External DB Resistor								
Normal Duty* kW (Hp)	Heavy Duty* kW (Hp)	Min DB Res Ohms ±10%	Cat. No.	Resistance‡ Ohms ±5%	Continuous Power kW	Max Energy kJ	Max Braking Torque % of ND Motor	Application Type 1		Application Type 2	
								Braking Torque % of ND Motor	Duty Cycle	Braking Torque % of ND Motor	Duty Cycle
200...240 Volt AC Input Drives											
0.37 (0.5)	0.25 (0.33)	33	AK-R2-091P500	91	0.086	17	293%	100%	46%	150%	31%
0.75 (1.0)	0.55 (0.75)	33	AK-R2-091P500	91	0.086	17	218%	100%	23%	150%	15%
1.5 (2.0)	1.1 (1.5)	33	AK-R2-091P500	91	0.086	17	109%	100%	11%	109%	11%
2.2 (3.0)	1.5 (2.0)	33	AK-R2-047P500	47	0.166	33	144%	100%	15%	144%	11%
4.0 (5.0)	3.0 (3.0)	30	AK-R2-047P500	47	0.166	33	79%	79%	11%	N/A	N/A
5.5 (7.5)	4.0 (5.0)	23	AK-R2-030P1K2	30	0.26	52	90%	90%	10%	N/A	N/A
7.5 (10)	5.5 (7.5)	23	AK-R2-030P1K2	30	0.26	52	66%	66%	10%	N/A	N/A

400...480 Volt AC Input Drives											
0.37 (0.5)	0.25 (0.33)	68	AK-R2-360P500	360	0.086	17	305%	100%	47%	150%	31%
0.75 (1.0)	0.55 (0.75)	68	AK-R2-360P500	360	0.086	17	220%	100%	23%	150%	15%
1.5 (2.0)	1.1 (1.5)	68	AK-R2-360P500	360	0.086	17	110%	100%	12%	110%	11%
2.2 (3.0)	1.5 (2.0)	68	AK-R2-120P1K2	120	0.26	52	197%	100%	24%	150%	16%
4.0 (5.0)	3.0 (3.0)	68	AK-R2-120P1K2	120	0.26	52	124%	100%	13%	124%	10%
5.5 (7.5)	4.0 (5.0)	74	AK-R2-120P1K2	120	0.26	52	90%	90%	10%	N/A	N/A
7.5 (10)	5.5 (7.5)	74	AK-R2-120P1K2	120	0.26	52	66%	66%	10%	N/A	N/A
11 (15) §	7.5 (10) §	44	§	60	0.52	104	90%	90%	10%	N/A	N/A
15 (20) §	11 (15) §	31	§	60	0.52	104	66%	66%	10%	N/A	N/A

500...600 Volt AC Input Drives											
0.37 (0.5)	0.25 (0.33)	117	AK-R2-360P500	360	0.086	17	274%	100%	46%	150%	31%
0.75 (1.0)	0.55 (0.75)	117	AK-R2-360P500	360	0.086	17	251%	100%	23%	150%	15%
1.5 (2.0)	1.1 (1.5)	117	AK-R2-360P500	360	0.086	17	172%	100%	11%	150%	8%
2.2 (3.0)	1.5 (2.0)	117	AK-R2-120P1K2	120	0.26	52	193%	100%	24%	150%	16%
4.0 (5.0)	3.0 (3.0)	80	AK-R2-120P1K2	120	0.26	52	185%	100%	13%	150%	9%
5.5 (7.5)	4.0 (5.0)	80	AK-R2-120P1K2	120	0.26	52	141%	100%	9%	141%	7%
7.5 (10)	5.5 (7.5)	80	AK-R2-120P1K2	120	0.26	52	103%	100%	7%	103%	7%
11 (15) §	7.5 (10) §	48	§	60	0.52	104	141%	100%	9%	141%	7%
15 (20) §	11 (15) §	48	§	60	0.52	104	103%	100%	7%	103%	7%

\* Duty cycle listed is based on full speed to zero speed deceleration. For constant regen at full speed, duty cycle capability is half of what is listed. Application Type 1 represents maximum capability up to 100% braking torque where possible. Application Type 2 represents more than 100% braking torque where possible, up to a maximum of 150%.

‡ Always check resistor Ohms against minimum resistance for drive being used.

§ For 11 and 15 kW (15 and 20 Hp) applications, use two 7.5 kW (10 Hp) size resistors wired in parallel.

### Internal Dynamic Brake Resistor Kits

These resistors have a limited duty cycle. Refer to the PowerFlex Dynamic Braking Selection Guide to determine if an internal resistor will be sufficient for your application. An external resistor may be required.

Drive Input Voltage	Brake Resistance	Frame	Cat. No.	Used with PowerFlex Drive					
				70	700	700H	700S	700L	753/755
208...240V AC	62	0	20BB-DB1-0	✓			✓		
	62	1 (except 7.5 Hp)	20BB-DB1-1	✓			✓		
	22	1 (7.5 Hp)	20BB-DB2-1	✓			✓		
	22	2	20BB-DB1-2	✓			✓		
380...600V AC	115	0	20BD-DB1-0	✓			✓		
	115	1	20BD-DB1-1	✓			✓		
	68	2	20BD-DB1-2	✓			✓		
	115	1 (1...3 Hp)	20-750-DB1-D1						✓
	62	1 (5...10 Hp)	20-750-DB1-D1A						✓
	62	2	20-750-DB1-D2						✓



## Terminators

Description ‡	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
for use with 3.7 kW (5 Hp) & below drives	1204-TFA1	✓	✓		✓	✓	✓
for use with 1.5 kW (2 Hp) & up drives	1204-TFB2	✓	✓	✓	✓	✓	✓

‡ Refer to Appendix A of publication **Drives-IN001** for selection information.

## Reflected Wave Reduction Modules w/Common Mode Choke

Description ‡	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
17A with Common Mode Choke	1204-RWC-17-A	✓	✓	✓	✓		✓

‡ Refer to Appendix A of publication **Drives-IN001** for selection information.

## Reflected Wave Reduction Modules

Voltage	ND kW	ND Hp	Cat. No.	Used with PowerFlex Drive					
				70	700	700H	700S	700L	753/755
380...480V AC	4	5	1321-RWR8-DP	✓	✓		✓		✓
	5.5	7.5	1321-RWR12-DP	✓	✓		✓		✓
	7.5	10	1321-RWR18-DP	✓	✓		✓		✓
	11	15	1321-RWR25-DP	✓	✓		✓		✓
	15	20	1321-RWR35-DP	✓	✓		✓		✓
	18.5	25	1321-RWR35-DP	✓	✓		✓		✓
	22	30	1321-RWR45-DP	✓	✓		✓		✓
	30	40	1321-RWR55-DP	✓	✓		✓		✓
	37	50	1321-RWR80-DP	✓	✓		✓		✓
	45	60	1321-RWR80-DP		✓		✓		✓
	55	75	1321-RWR100-DP		✓		✓		✓
	75	100	1321-RWR130-DP		✓		✓		✓
			1321-RWR160-DP				✓		
	90	125	1321-RWR160-DP		✓		✓		✓
	110	150	1321-RWR200-DP		✓		✓		✓
	149	200	1321-RWR250-DP		✓	✓	✓		✓
			1321-RWR320-DP				✓		
		187	250	1321-RWR320-DP		✓	✓	✓	
500...600V AC	4	5	1321-RWR8-EP	✓	✓		✓		✓
	5.5	7.5	1321-RWR8-EP				✓		
			1321-RWR12-EP	✓	✓				✓
	7.5	10	1321-RWR12-EP	✓	✓		✓		
			1321-RWR18-EP						✓
	11	15	1321-RWR18-EP	✓	✓		✓		
			1321-RWR25-EP						✓
	15	20	1321-RWR25-EP	✓	✓		✓		
			1321-RWR35-EP						✓
	18.5	25	1321-RWR25-EP				✓		
			1321-RWR35-EP	✓	✓				✓
	22	30	1321-RWR35-EP	✓	✓		✓		
			1321-RWR45-EP						✓
	30	40	1321-RWR45-EP	✓	✓		✓		
			1321-RWR55-EP						✓
	37	50	1321-RWR55-EP	✓	✓		✓		
			1321-RWR80-EP						✓
	45	60	1321-RWR80-EP		✓		✓		✓
	55	75	1321-RWR80-EP		✓		✓		
			1321-RWR100-EP						✓
	75	100	1321-RWR100-EP		✓		✓		
			1321-RWR130-EP						✓
	90	125	1321-RWR130-EP		✓		✓		
			1321-RWR160-EP						✓
110	150	1321-RWR160-EP		✓		✓			
		1321-RWR200-EP				✓		✓	
149	200	1321-RWR200-EP				✓			
		1321-RWR250-EP						✓	

### 1492 Wiring System Modules and Cables

Wiring System Modules and Cables provide an easy means to extend drive control wiring. A pre-wired cable (available in various lengths) plugs into the appropriate drive I/O terminal block. The remaining cable end plugs into the Wiring Module which provides a terminal block for direct I/O connection. See publication 1492-TD008 for detailed information.

## 1492 Wiring Module and Cable Selection

Drive I/O	Wiring Module Description	Wiring Module Cat. No.		PowerFlex 700H Cable (see below)	PowerFlex 700S Cable (see below)	Used with PowerFlex Drive					
		Fixed Terminal Block	Removable Terminal Block			70	700	700H	700S	700L	753/755
Analog I/O (TB1)	6 Channel Isolated - 3 Terminals/Ch.	1492-AIFM6S-3	1492-RAIFM6S-3	1492-ACABxxxZ7H	1492-ACABxxxZ7S			✓	✓		
DC Discrete Digital I/O (TB2)	Standard, 264V AC/DC	1492-IFM20F	1492-RIFM20F	1492-CABxxxA7H	1492-CABxxxA7S			✓	✓		
	Narrow Standard, 132V AC/DC	1492-IFM20FN	1492-RIFM20FN	1492-CABxxxA7H	1492-CABxxxA7S			✓	✓		
	Extra Terminals (2 per I/O), 264V AC/DC	1492-IFM20F-2	1492-RIFM20F-2	1492-CABxxxA7H	1492-CABxxxA7S			✓	✓		
AC Discrete Digital I/O (20C-DA1-B & 20C-DO1)	Standard, 264V AC/DC	1492-IFM20F	1492-RIFM20F	1492-CABxxxB7H	1492-CABxxxB7H			✓			
	Narrow Standard, 132V AC/DC	1492-IFM20FN	1492-RIFM20FN	1492-CABxxxB7H	1492-CABxxxB7H			✓			
	Extra Terminals (2 per I/O), 264V AC/DC	1492-IFM20F-2	1492-RIFM20F-2	1492-CABxxxB7H	1492-CABxxxB7H			✓			
Encoder	2 Channel Encoder Input - 4 Outputs	1492-AIFMCE4	-	1492-ACABxxxX7S	1492-ACABxxxX7S				✓		
	2 Channel Fused Encoder Input - 4 Fused Outputs	1492-AIFMCE4-F	-	1492-ACABxxxX7S	1492-ACABxxxX7S				✓		

## 1492 Pre-Wired Cable Assemblies

Description	PowerFlex 700H Cat. No.	PowerFlex 700S Cat. No.	Used with PowerFlex Drive					
			70	700	700H	700S	700L	753/755
Pre-Wired Cable for Analog I/O								
0.5 Meter (1.6 Feet)	1492-ACAB005Z7H	1492-ACAB005Z7S			✓	✓		
1.0 Meter (3.3 Feet)	1492-ACAB010Z7H	1492-ACAB010Z7S			✓	✓		
2.5 Meters (8.2 Feet)	1492-ACAB025Z7H	1492-ACAB025Z7S			✓	✓		
5.0 Meters (16.4 Feet)	1492-ACAB050Z7H	1492-ACAB050Z7S			✓	✓		
Pre-Wired Cable for Discrete DC I/O								
0.5 Meter (1.6 Feet)	1492-CAB005A7H	1492-CAB005A7S			✓	✓		
1.0 Meter (3.3 Feet)	1492-CAB010A7H	1492-CAB005A7S			✓	✓		
2.5 Meters (8.2 Feet)	1492-CAB025A7H	1492-CAB025A7S			✓	✓		
5.0 Meters (16.4 Feet)	1492-CAB050A7H	1492-CAB050A7S			✓	✓		
Pre-Wired Cable for Discrete AC I/O								
0.5 Meter (1.6 Feet)	1492-CAB005B7H	-			✓			
1.0 Meter (3.3 Feet)	1492-CAB010B7H	-			✓			
2.5 Meters (8.2 Feet)	1492-CAB025B7H	-			✓			
5.0 Meters (16.4 Feet)	1492-CAB050B7H	-			✓			
Pre-Wired Cable for Encoder								
0.5 Meter (1.6 Feet)	-	1492-ACAB005X7S				✓		
1.0 Meter (3.3 Feet)	-	1492-ACAB010X7S				✓		
2.5 Meters (8.2 Feet)	-	1492-ACAB025X7S				✓		
5.0 Meters (16.4 Feet)	-	1492-ACAB050X7S				✓		

## Isolation Transformers - IP32, NEMA/UL Type 3R Standalone, 4...6% Nominal Impedance

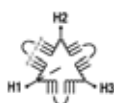


Diagram 1

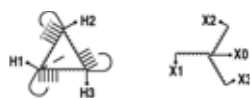


Diagram 2

Motor Rating		Wiring Diagram	240V, 60 Hz, Three-Phase Primary & 240V Secondary ★	460V, 60 Hz, Three-Phase Primary & 460V Secondary	575V, 60 Hz, Three-Phase Primary & 575V Secondary ★	Used with PowerFlex Drive					
kW	Hp		Cat. No.	Cat. No.	Cat. No.	70	700	700H	700S	700L	753/755
0.25	0.33	1	1321-3TW005-AA	1321-3TW005-BB	-	✓	✓		✓		
0.37	0.5	1	1321-3TW005-AA	1321-3TW005-BB	1321-3TW005-CC	✓	✓		✓		
0.55	0.75	1	1321-3TW005-AA	1321-3TW005-BB	-	✓	✓		✓		
0.75	1	1	1321-3TW005-AA	1321-3TW005-BB	1321-3TW005-CC	✓	✓		✓		✓
1.1	1.5	1	1321-3TW005-AA	1321-3TW005-BB	-	✓	✓		✓		
1.5	2	1	1321-3TW005-AA	1321-3TW005-BB	1321-3TW005-CC	✓	✓		✓		✓
2.2	3	1	1321-3TW005-AA	1321-3TW005-BB	1321-3TW005-CC	✓	✓		✓		✓
22	30	2	1321-3TW040-AA	1321-3TW040-BB	1321-3TW040-CC	✓	✓		✓		✓
30	40	2	1321-3TW051-AA	1321-3TW051-BB	1321-3TW051-CC	✓	✓		✓		✓
37	50	2	1321-3TH063-AA	1321-3TH063-BB	1321-3TH063-CC	✓	✓		✓		✓
45	60	2	1321-3TH075-AA	1321-3TH075-BB	1321-3TH075-CC		✓		✓		✓
55	75	2	1321-3TH093-AA	1321-3TH093-BB	1321-3TH093-CC		✓		✓		✓
75	100	2	-	1321-3TH118-BB	1321-3TH118-CC		✓		✓		✓
90	125	2	-	1321-3TH145-BB	1321-3TH145-CC		✓		✓		✓
110	150	2	-	1321-3TH175-BB	1321-3TH175-CC		✓	✓	✓		✓
149	200	2	-	1321-3TH220-BB	1321-3TH220-CC		✓	✓	✓		✓
187	250	2	-	1321-3TH275-BB	1321-3TH275-CC		✓	✓			✓
224	300	2	-	1321-3TH330-BB	1321-3TH330-CC		✓	✓			✓
224	300	1	-	-	1321-3TH330-CC						✓
261	350	1	-	1321-3TH440-BB	1321-3TH440-CC		✓	✓			✓
298	400	1	-	1321-3TH440-BB	1321-3TH440-CC		✓	✓			
298	400	1	-	1321-3TH440-BB	1321-3TH550-CC						✓
336	450	1	-	1321-3TH550-BB	1321-3TH550-CC		✓	✓			✓
373	500	1	-	1321-3TH550-BB	1321-3TH550-CC		✓	✓			
373	500	1	-	1321-3TH550-BB	1321-3TH660-CC						✓
410	550	1	-	-	1321-3TH660-CC						✓
448	600	1	-	1321-3TH660-BB	1321-3TH660-CC		✓	✓			
448	600	1	-	1321-3TH660-BB	1321-3TH770-CC						✓
485	650	1	-	-	1321-3TH770-CC		✓	✓			
522	700	1	-	1321-3TH770-BB	1321-3TH770-CC		✓	✓			✓
597	800	1	-	1321-3TH880-BB	1321-3TH880-CC						✓
671	900	-	-	900 kVA ‡	950 kVA ‡						✓
709	950	-	-	-	1000 kVA ‡						✓
746	1000	-	-	1000 kVA ‡	1100 kVA ‡						✓
821	1100	-	-	1200 kVA ‡	-						✓
895	1200	-	-	-	1200 kVA ‡						✓
933	1250	-	-	1200 kVA ‡	-						✓
1007	1350	-	-	1300 kVA ‡	-						✓
1119	1500	-	-	1500 kVA ‡	1500 kVA ‡						✓
1492	2000	-	-	2000 kVA ‡	-						✓

\* Not applicable for the PowerFlex 755.

‡ 1321 Isolation Transformer solution is not available. Approximate drive kVA is listed.

**Input and Output Reactors - 200...240V, 50/60 Hz, Three-Phase, 3% Impedance**

kW	Hp	Duty	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive					
			IP00 (Open Style)	IP11 (NEMA/UL Type 1)	IP00 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755
0.25	0.33	Heavy	1321-3R2-D	1321-3RA2-D	1321-3R2-D	1321-3RA2-D	✓	✓		✓		
0.37	0.5	Normal	1321-3R2-D	1321-3RA2-D	1321-3R2-D	1321-3RA2-D	✓	✓		✓		
0.55	0.75	Heavy	1321-3R4-A	1321-3RA4-A	1321-3R4-A	1321-3RA4-A	✓	✓		✓		
0.75	1	Normal	1321-3R4-A	1321-3RA4-A	1321-3R4-A	1321-3RA4-A	✓	✓		✓		
1.1	1.5	Heavy	1321-3R8-B	1321-3RA8-B	1321-3R8-A	1321-3RA8-A	✓	✓		✓		
1.5	2	Normal	1321-3R8-A	1321-3RA8-A	1321-3R8-A	1321-3RA8-A	✓	✓		✓		
		Heavy	1321-3R8-A	1321-3RA8-A	1321-3R12-A	1321-3RA12-A	✓	✓		✓		
2.2	3	Normal	1321-3R12-A	1321-3RA12-A	1321-3R12-A	1321-3RA12-A	✓	✓		✓		
		Heavy	1321-3R12-A	1321-3RA12-A	1321-3R18-A	1321-3RA18-A	✓	✓		✓		
4	5	Normal	1321-3R18-A	1321-3RA18-A	1321-3R18-A	1321-3RA18-A	✓	✓		✓		
		Heavy	1321-3R18-A	1321-3RA18-A	1321-3R25-A	1321-3RA25-A	✓	✓		✓		
5.5	7.5	Normal	1321-3R25-A	1321-3RA25-A	1321-3R25-A	1321-3RA25-A	✓	✓		✓		
		Heavy	1321-3R25-A	1321-3RA25-A	1321-3R35-A	1321-3RA35-A	✓	✓		✓		
7.5	10	Normal	1321-3R35-A	1321-3RA35-A	1321-3R35-A	1321-3RA35-A	✓	✓		✓		
		Heavy	1321-3R35-A	1321-3RA35-A	1321-3R45-A	1321-3RA45-A	✓	✓		✓		
11	15	Normal	1321-3R45-A	1321-3RA45-A	1321-3R45-A	1321-3RA45-A	✓	✓		✓		
		Heavy	1321-3R45-A	1321-3RA45-A	1321-3R55-A	1321-3RA55-A	✓	✓		✓		
15	20	Normal	1321-3R55-A	1321-3RA55-A	1321-3R55-A	1321-3RA55-A	✓	✓		✓		
		Heavy	1321-3R55-A	1321-3RA55-A	1321-3R80-A	1321-3RA80-A	✓	✓		✓		
18.5	25	Normal	1321-3R80-A	1321-3RA80-A	1321-3R80-A	1321-3RA80-A	✓	✓		✓		
		Heavy	1321-3R80-A	1321-3RA80-A	1321-3R80-A	1321-3RA80-A		✓		✓		
22	30	Normal	1321-3R80-A	1321-3RA80-A	1321-3R80-A	1321-3RA80-A		✓		✓		
		Heavy	1321-3R80-A	1321-3RA80-A	1321-3R80-A	1321-3RA80-A		✓		✓		
30	40	Normal	1321-3R100-A	1321-3RA100-A	1321-3R100-A	1321-3RA100-A		✓		✓		
		Heavy	1321-3R100-A	1321-3RA100-A	1321-3R100-A	1321-3RA100-A		✓		✓		
37	50	Normal	1321-3R130-A	1321-3RA130-A	1321-3R130-A	1321-3RA130-A		✓		✓		
		Heavy	1321-3R130-A	1321-3RA130-A	1321-3R130-A	1321-3RA130-A		✓		✓		
45	60	Normal	1321-3R160-A	1321-3RA160-A	1321-3R160-A	1321-3RA160-A		✓		✓		
		Heavy	1321-3R160-A	1321-3RA160-A	1321-3R160-A	1321-3RA160-A		✓		✓		
55	75	Normal	1321-3R200-A	1321-3RA200-A	1321-3R200-A	1321-3RA200-A		✓		✓		
		Heavy	1321-3R200-A	1321-3RA200-A	1321-3R200-A	1321-3RA200-A		✓		✓		
75	100	Normal	1321-3RB250-A	1321-3RAB250-A	1321-3RB250-A	1321-3RAB250-A		✓		✓		

‡ Input line reactors were sized based on the NEC fundamental motor amps. Output line reactors were sized based on the VFD rated output currents.

**Input and Output Reactors - 200...240V, 50/60 Hz, Three-Phase, 5% Impedance**

kW	Hp	Duty	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive					
			IP00 (Open Style)	IP11 (NEMA/UL Type 1)	IP00 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755
0.25	0.33	Heavy	1321-3R2-A	1321-3RA2-A	1321-3R2-A	1321-3RA2-A	✓	✓		✓		
0.37	0.5	Normal	1321-3R2-A	1321-3RA2-A	1321-3R2-A	1321-3RA2-A	✓	✓		✓		
0.55	0.75	Heavy	1321-3R4-B	1321-3RA4-B	1321-3R4-B	1321-3RA4-B	✓	✓		✓		
0.75	1	Normal	1321-3R4-B	1321-3RA4-B	1321-3R4-B	1321-3RA4-B	✓	✓		✓		
1.1	1.5	Heavy	1321-3R8-B	1321-3RA8-B	1321-3R8-B	1321-3RA8-B	✓	✓		✓		
1.5	2	Normal	1321-3R8-B	1321-3RA8-B	1321-3R8-B	1321-3RA8-B	✓	✓		✓		
		Heavy	1321-3R8-B	1321-3RA8-B	1321-3R12-B	1321-3RA12-B	✓	✓		✓		
2.2	3	Normal	1321-3R12-B	1321-3RA12-B	1321-3R12-B	1321-3RA12-B	✓	✓		✓		
		Heavy	1321-3R12-B	1321-3RA12-B	1321-3R18-B	1321-3RA18-B	✓	✓		✓		
4	5	Normal	1321-3R18-B	1321-3RA18-B	1321-3R18-B	1321-3RA18-B	✓	✓		✓		
		Heavy	1321-3R18-B	1321-3RA18-B	1321-3R25-B	1321-3RA25-B	✓	✓		✓		
5.5	7.5	Normal	1321-3R25-B	1321-3RA25-B	1321-3R25-B	1321-3RA25-B	✓	✓		✓		
		Heavy	1321-3R25-B	1321-3RA25-B	1321-3R35-B	1321-3RA35-B	✓	✓		✓		
7.5	10	Normal	1321-3R35-B	1321-3RA35-B	1321-3R35-B	1321-3RA35-B	✓	✓		✓		
		Heavy	1321-3R35-B	1321-3RA35-B	1321-3R45-B	1321-3RA45-B	✓	✓		✓		
11	15	Normal	1321-3R45-B	1321-3RA45-B	1321-3R45-B	1321-3RA45-B	✓	✓		✓		
		Heavy	1321-3R45-B	1321-3RA45-B	1321-3R55-B	1321-3RA55-B	✓	✓		✓		
15	20	Normal	1321-3R55-B	1321-3RA55-B	1321-3R55-B	1321-3RA55-B	✓	✓		✓		
		Heavy	1321-3R55-B	1321-3RA55-B	1321-3R80-B	1321-3RA80-B	✓	✓		✓		
18.5	25	Normal	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B		✓		✓		
		Heavy	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B		✓		✓		
22	30	Normal	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B		✓		✓		
		Heavy	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B		✓		✓		
30	40	Normal	1321-3R100-B	1321-3RA100-B	1321-3R100-B	1321-3RA100-B		✓		✓		
		Heavy	1321-3R100-B	1321-3RA100-B	1321-3R100-B	1321-3RA100-B		✓		✓		
37	50	Normal	1321-3R130-B	1321-3RA130-B	1321-3R130-B	1321-3RA130-B		✓		✓		
		Heavy	1321-3R130-B	1321-3RA130-B	1321-3R130-B	1321-3RA130-B		✓		✓		
45	60	Normal	1321-3R160-B	1321-3RA160-B	1321-3R160-B	1321-3RA160-B		✓		✓		
		Heavy	1321-3R160-B	1321-3RA160-B	1321-3R160-B	1321-3RA160-B		✓		✓		
55	75	Normal	1321-3R200-B	1321-3RA200-B	1321-3R200-B	1321-3RA200-B		✓		✓		
		Heavy	1321-3R200-B	1321-3RA200-B	1321-3R200-B	1321-3RA200-B		✓		✓		
75	100	Normal	1321-3RB250-B	1321-3RAB250-B	1321-3RB250-B	1321-3RAB250-B		✓		✓		

‡ Input line reactors were sized based on the NEC fundamental motor amps. Output line reactors were sized based on the VFD rated output currents.

**Input and Output Reactors - 380...480V, 50/60 Hz, Three-Phase, 3% Impedance**

kW	Hp	Duty	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive					
			IP00 (Open Style)	IP11 (NEMA/UL Type 1)	IP00 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755
0.25	0.33	Heavy	1321-3R1-C	1321-3RA1-C	1321-3R2-B	1321-3RA2-B	✓	✓		✓		
0.37	0.5	Normal	1321-3R1-C	1321-3RA1-C	1321-3R2-B	1321-3RA2-B	✓	✓		✓		
0.55	0.75	Heavy	1321-3R2-A	1321-3RA2-A	1321-3R2-A	1321-3RA2-A	✓	✓		✓		
0.75	1	Normal	1321-3R2-A	1321-3RA2-A	1321-3R2-A	1321-3RA2-A	✓	✓		✓		✓
1.1	1.5	Heavy	1321-3R4-C	1321-3RA4-C	1321-3R4-B	1321-3RA4-B	✓	✓		✓		✓
1.5	2	Normal	1321-3R4-B	1321-3RA4-B	1321-3R4-B	1321-3RA4-B	✓	✓		✓		✓
		Heavy	1321-3R4-B	1321-3RA4-B	1321-3R8-C	1321-3RA8-C	✓	✓		✓		✓
2.2	3	Normal	1321-3R8-C	1321-3RA8-C	1321-3R8-C	1321-3RA8-C	✓	✓		✓		✓
		Heavy	1321-3R8-C	1321-3RA8-C	1321-3R8-B	1321-3RA8-B	✓	✓		✓		✓
4	5	Normal	1321-3R8-B	1321-3RA8-B	1321-3R8-B	1321-3RA8-B	✓	✓		✓		✓
		Heavy	1321-3R8-B	1321-3RA8-B	1321-3R12-B	1321-3RA12-B	✓	✓		✓		✓
5.5	7.5	Normal	1321-3R12-B	1321-3RA12-B	1321-3R12-B	1321-3RA12-B	✓	✓		✓		✓
		Heavy	1321-3R12-B	1321-3RA12-B	1321-3R18-B	1321-3RA18-B	✓	✓		✓		✓
7.5	10	Normal	1321-3R18-B	1321-3RA18-B	1321-3R18-B	1321-3RA18-B	✓	✓		✓		✓
		Heavy	1321-3R18-B	1321-3RA18-B	1321-3R25-B	1321-3RA25-B	✓	✓		✓		✓
11	15	Normal	1321-3R25-B	1321-3RA25-B	1321-3R25-B	1321-3RA25-B	✓	✓		✓		✓
		Heavy	1321-3R25-B	1321-3RA25-B	1321-3R25-B	1321-3RA25-B	✓	✓		✓		✓
15	20	Normal	1321-3R35-B	1321-3RA35-B	1321-3R25-B	1321-3RA25-B	✓	✓		✓		✓
		Heavy	1321-3R35-B	1321-3RA35-B	1321-3R35-B	1321-3RA35-B	✓	✓		✓		✓
18.5	25	Normal	1321-3R35-B	1321-3RA35-B	1321-3R35-B	1321-3RA35-B	✓	✓		✓		✓
		Heavy	1321-3R35-B	1321-3RA35-B	1321-3R45-B	1321-3RA45-B	✓	✓		✓		✓
22	30	Normal	1321-3R45-B	1321-3RA45-B	1321-3R45-B	1321-3RA45-B	✓	✓		✓		✓
		Heavy	1321-3R45-B	1321-3RA45-B	1321-3R55-B	1321-3RA55-B	✓	✓		✓		✓
30	40	Normal	1321-3R55-B	1321-3RA55-B	1321-3R55-B	1321-3RA55-B	✓	✓		✓		✓
		Heavy	1321-3R55-B	1321-3RA55-B	1321-3R80-B	1321-3RA80-B	✓	✓		✓		✓
37	50	Normal	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B	✓	✓		✓		✓
		Heavy	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B		✓		✓		✓
45	60	Normal/Heavy	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B		✓		✓		✓
55	75	Normal/Heavy	1321-3R100-B	1321-3RA100-B	1321-3R100-B	1321-3RA100-B		✓		✓		✓
75	100	Normal/Heavy	1321-3R130-B	1321-3RA130-B	1321-3R130-B	1321-3RA130-B		✓		✓		✓
90	125	Normal/Heavy	1321-3R160-B	1321-3RA160-B	1321-3R160-B	1321-3RA160-B		✓		✓		✓
110	150	Normal	1321-3R200-B	1321-3RA200-B	1321-3R200-C	1321-3RA200-C		✓	✓	✓		✓
		Heavy	1321-3R200-B	1321-3RA200-B	1321-3R200-C	1321-3RA200-C		✓		✓		✓
		Heavy	-	-	1321-3R200-B	1321-3RA200-B			✓			
-	200	Normal/Heavy	1321-3RB250-B	1321-3RAB250-B	1321-3RB250-B	1321-3RAB250-B						✓
132	-	Normal/Heavy	1321-3RB250-B	1321-3RAB250-B	1321-3RB250-B	1321-3RAB250-B						✓
149	200	Normal	1321-3RB250-B	1321-3RAB250-B	1321-3RB250-B	1321-3RAB250-B		✓	✓	✓		
		Heavy	1321-3RB250-B	1321-3RAB250-B	1321-3RB250-B	1321-3RAB250-B		✓	✓	✓		
160	250	Normal/Heavy	1321-3RB320-B	1321-3RAB320-B	1321-3RB320-B	1321-3RAB320-B						✓
187	250	Normal/Heavy	1321-3RB320-B	1321-3RAB320-B	1321-3RB320-B	1321-3RAB320-B		✓	✓			
200	300	Normal	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B		✓	✓			✓
		Heavy	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B		✓	✓			✓
-	350	Normal/Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B						✓
250	-	Normal/Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B						✓
261	350	Normal	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B		✓				
		Heavy	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B		✓	✓			
		Normal	-	-	1321-3R500-B	1321-3RA500-B			✓			

continued

‡ Input line reactors were sized based on the NEC fundamental motor amps (PowerFlex 700H has an integral input reactor). Output line reactors were sized based on the VFD rated output currents.

§ Requires two output reactors wired in parallel.

**Input and Output Reactors - 380...480V, 50/60 Hz, Three-Phase, 3% Impedance (continued)**

kW	Hp	Duty ♦	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive							
			IP00 (Open Style)	IP11 (NEMA/UL Type 1)	IP00 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755		
-	400	Light/Normal/Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B								✓
280	400	Normal/Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B		✓						
315	-	Light/Normal/Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B								✓
-	450	Light/Normal/Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B								✓
336	450	Normal/Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B		✓	✓					
355	-	Light/Normal/Heavy	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B								✓
-	500	Light	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B								✓
		Normal/Heavy	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B								✓
373	500	Normal/Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B		✓	✓					
400	-	Light/Heavy	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B								✓
		Normal	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓
-	600	Light/Normal/Heavy	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B								✓
448	600	Normal	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B		✓	✓					
		Heavy	-	-	1321-3R750-B	1321-3RA750-B				✓				
		Heavy	1321-3R750-B	1321-3RA750-B	1321-3R600-B	1321-3RA600-B		✓						
450	-	Light	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓
-	650	Light	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓
		Normal	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B								✓
-	700	Light/Normal/Heavy	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓
522	700	Normal	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B		✓						
		Normal/Heavy	-	-	1321-3RB400-B	1321-3RB400-B				✓ §				
-	750	Heavy	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓
500	-	Normal/Heavy	1321-3R1000-B	1321-3RA1000-B	1321-3R1000-B	1321-3RA1000-B								✓
500	800	Normal/Heavy	-	-	1321-3R500-B	1321-3RA500-B				✓ §				
-	800	Light/Normal/Heavy	1321-3R1000-B	1321-3RA1000-B	1321-3R1000-B	1321-3RA1000-B								✓
560	-	Light/Normal/Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B								✓ §
630	900	Light/Normal/Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B								✓ §
		Normal	-	-	1321-3R500-B	1321-3RA500-B				✓ §				
		Heavy	-	-	1321-3R600-B	1321-3RA600-B				✓ §				
710	1000	Light/Normal/Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B								✓ §
746	1000	Normal	-	-	1321-3R600-B	1321-3RA600-B				✓ §				
		Heavy	-	-	1321-3R750-B	1321-3RA750-B				✓ §				
800	1100	Light/Normal	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B								✓ §
850	-	Light/Normal	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B								✓ §
895	1200	Normal	-	-	1321-3R750-B	1321-3RA750-B				✓ §				
900	-	Light	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓ §
-	1250	Light/Normal	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B								✓ §
933	1250	Normal	-	-	1321-3R750-B	1321-3RA750-B				✓ §				
-	1350	Light	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓ §
-	1500	Light	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓ ♣
1000	-	Light	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓ ♣
-	2000	Light	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓ ♣
1400	-	Light	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B								✓ ♣

‡ Input line reactors were sized based on the NEC fundamental motor amps (PowerFlex 700H has an integral input reactor). Output line reactors were sized based on the VFD rated output currents.

§ Requires two reactors wired in parallel.

♣ Requires three reactors wired in parallel.

♦ Light Duty refers to PowerFlex 755 drives only.



**Input and Output Reactors - 380...480V, 50/60 Hz, Three-Phase, 5% Impedance**

kW	Hp	Duty	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive					
			IP00 (Open Style)	IP11 (NEMA/UL Type 1)	IP00 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755
0.25	0.33	Heavy	1321-3R1-B	1321-3RA1-B	1321-3R2-C	1321-3RA2-C	✓	✓		✓		
0.37	0.5	Normal	1321-3R1-B	1321-3RA1-B	1321-3R2-C	1321-3RA2-C	✓	✓		✓		
0.55	0.75	Heavy	1321-3R2-C	1321-3RA2-C	1321-3R2-B	1321-3RA2-B	✓	✓		✓		
0.75	1	Normal	1321-3R2-B	1321-3RA2-B	1321-3R2-B	1321-3RA2-B	✓	✓		✓		✓
1.1	1.5	Heavy	1321-3R4-D	1321-3RA4-D	1321-3R4-D	1321-3RA4-D	✓	✓		✓		✓
1.5	2	Normal	1321-3R4-D	1321-3RA4-D	1321-3R4-D	1321-3RA4-D	✓	✓		✓		✓
		Heavy	1321-3R4-D	1321-3RA4-D	1321-3R8-D	1321-3RA8-D	✓	✓		✓		✓
2.2	3	Normal	1321-3R8-D	1321-3RA8-D	1321-3R8-D	1321-3RA8-D	✓	✓		✓		✓
		Heavy	1321-3R8-D	1321-3RA8-D	1321-3R8-C	1321-3RA8-C	✓	✓		✓		✓
4	5	Normal	1321-3R8-C	1321-3RA8-C	1321-3R8-C	1321-3RA8-C	✓	✓		✓		✓
		Heavy	1321-3R8-C	1321-3RA8-C	1321-3R12-C	1321-3RA12-C	✓	✓		✓		✓
5.5	7.5	Normal	1321-3R12-C	1321-3RA12-C	1321-3R12-C	1321-3RA12-C	✓	✓		✓		✓
		Heavy	1321-3R12-C	1321-3RA12-C	1321-3R18-C	1321-3RA18-C	✓	✓		✓		✓
7.5	10	Normal	1321-3R18-C	1321-3RA18-C	1321-3R18-C	1321-3RA18-C	✓	✓		✓		✓
		Heavy	1321-3R18-C	1321-3RA18-C	1321-3R25-C	1321-3RA25-C	✓	✓		✓		✓
11	15	Normal/Heavy	1321-3R25-C	1321-3RA25-C	1321-3R25-C	1321-3RA25-C	✓	✓		✓		✓
15	20	Normal	1321-3R35-C	1321-3RA35-C	1321-3R25-C	1321-3RA25-C	✓	✓		✓		✓
		Heavy	1321-3R35-C	1321-3RA35-C	1321-3R35-C	1321-3RA35-C	✓	✓		✓		✓
18.5	25	Normal	1321-3R35-C	1321-3RA35-C	1321-3R35-C	1321-3RA35-C	✓	✓		✓		✓
		Heavy	1321-3R35-C	1321-3RA35-C	1321-3R45-C	1321-3RA45-C	✓	✓		✓		✓
22	30	Normal	1321-3R45-C	1321-3RA45-C	1321-3R45-C	1321-3RA45-C	✓	✓		✓		✓
		Heavy	1321-3R45-C	1321-3RA45-C	1321-3R55-C	1321-3RA55-C	✓	✓		✓		✓
30	40	Normal	1321-3R55-C	1321-3RA55-C	1321-3R55-C	1321-3RA55-C	✓	✓		✓		✓
		Heavy	1321-3R55-C	1321-3RA55-C	1321-3R80-C	1321-3RA80-C	✓	✓		✓		✓
37	50	Normal	1321-3R80-C	1321-3RA80-C	1321-3R80-C	1321-3RA80-C	✓	✓		✓		✓
		Heavy	1321-3R80-C	1321-3RA80-C	1321-3R80-C	1321-3RA80-C		✓		✓		✓
45	60	Normal/Heavy	1321-3R80-C	1321-3RA80-C	1321-3R80-C	1321-3RA80-C		✓		✓		✓
55	75	Normal/Heavy	1321-3R100-C	1321-3RA100-C	1321-3R100-C	1321-3RA100-C		✓		✓		✓
75	100	Normal/Heavy	1321-3R130-C	1321-3RA130-C	1321-3R130-C	1321-3RA130-C		✓		✓		✓
90	125	Normal/Heavy	1321-3R160-C	1321-3RA160-C	1321-3R160-C	1321-3RA160-C		✓		✓		✓
110	150	Normal	1321-3R200-C	1321-3RA200-C	1321-3R200-C	1321-3RA200-C		✓		✓		✓
		Heavy	1321-3R200-C	1321-3RA200-C	1321-3R200-C	1321-3RA200-C		✓	✓	✓		✓
		Heavy	1321-3RB250-C	1321-3RAB250-C	1321-3RB250-C	1321-3RAB250-C			✓	✓♣		
-	200	Normal/Heavy	1321-3RB250-C	1321-3RAB250-C	1321-3RB250-C	1321-3RAB250-C						✓
132	-	Normal/Heavy	1321-3RB320-C	1321-3RAB320-C	1321-3RB320-C	1321-3RAB320-C						✓
149	200	Normal	1321-3RB250-C	1321-3RAB250-C	1321-3RB250-C	1321-3RAB250-C		✓		✓Δ		
		Heavy	1321-3RB250-C	1321-3RAB250-C	1321-3RB250-C	1321-3RAB250-C		✓	✓	✓		
160	250	Normal/Heavy	1321-3RB320-C	1321-3RAB320-C	1321-3RB320-C	1321-3RAB320-C						✓
187	250	Normal/Heavy	1321-3RB320-C	1321-3RAB320-C	1321-3RB320-C	1321-3RAB320-C		✓	✓			
-	300	Normal/Heavy	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C						✓
200	-	Normal/Heavy	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C						✓
224	300	Normal/Heavy	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C		✓	✓			
-	350	Normal/Heavy	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C						✓
250	-	Normal/Heavy	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C						✓
261	350	Normal	1321-3R500-C	1321-3RA500-C	1321-3RB400-C	1321-3RAB400-C		✓				
		Normal	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C			✓			
		Heavy	1321-3R500-C	1321-3RA500-C	1321-3RB400-C	1321-3RAB400-C		✓	✓			

*continued*

‡ Input line reactors were sized based on the NEC fundamental motor amps (PowerFlex 700H has an integral input reactor). Output line reactors were sized based on the VFD rated output currents.

♣ For use with 300A PowerFlex 700S.

Δ For use with 248A and 261A PowerFlex 700S.

**Input and Output Reactors - 380...480V, 50/60 Hz, Three-Phase, 5% Impedance (continued)**

kW	Hp	Duty ♦	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive								
			IP00 (Open Style)	IP11 (NEMA/UL Type 1)	IP00 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755			
-	400	Light/Normal/Heavy	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C									✓
298	400	Normal/Heavy	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C		✓							
315	-	Light/Normal/Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C									✓
336	450	Normal/Heavy	1321-3RA600-C	1321-3RA600-C	1321-3R500-C	1321-3RA500-C		✓	✓						
-	450	Light/Normal/Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C									✓
355	-	Light/Normal/Heavy	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C									✓
373	500	Normal/Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C		✓	✓						
-	500	Light	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C									✓
		Normal/Heavy	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C									✓
400	-	Light/Heavy	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C									✓
		Normal	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓
448	600	Normal/Heavy	1321-3R750-E	1321-3RA750-E	1321-3R750-E	1321-3RA750-E		✓							
-	600	Light/Normal/Heavy	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C									✓
450	-	Light	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓
500	-	Normal/Heavy	1321-3R1000-C	1321-3RA1000-C	1321-3R1000-C	1321-3RA1000-C									✓
522	600	Normal/Heavy	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C				✓ *					
-	650	Light	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓
		Normal	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C									✓
-	700	Light/Normal/Heavy	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓
522	700	Normal	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C		✓							
		Normal	-	-	1321-3RB400-C	1321-3RAB400-C				✓ §					
671	700	Heavy	-	-	1321-3RB400-C	1321-3RAB400-C				✓ §					
-	750	Heavy	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓
-	800	Light/Normal/Heavy	1321-3R1000-C	1321-3RA1000-C	1321-3R1000-C	1321-3RA1000-C									✓
560	-	Light/Normal/Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C									✓ §
597	800	Normal	-	-	1321-3R500-C	1321-3RA500-C				✓ §					
630	-	Light/Normal/Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C									✓ §
746	800	Heavy	-	-	1321-3R500-C	1321-3RA500-C				✓ §					
-	900	Light/Normal/Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C									✓ §
671	900	Normal	-	-	1321-3R500-C	1321-3RA500-C				✓ §					
		Heavy	-	-	1321-3RA600-C	1321-3RA600-C				✓ §					
710	-	Light/Normal/Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C									✓ §
-	1000	Light/Normal/Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C									✓ §
746	1000	Normal	-	-	1321-3RA600-C	1321-3RA600-C				✓ §					
		Heavy	-	-	1321-3R750-C	1321-3RA750-C				✓ § *					
-	1100	Light/Normal	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C									✓ §
800	-	Light/Normal	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C									✓ §
850	-	Light/Normal	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C									✓ §
895	1200	Normal	-	-	1321-3R750-C	1321-3RA750-C				✓ § *					
-	1250	Light/Normal	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C									✓ §
900	-	Light	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓ §
933	1250	Normal	-	-	1321-3R750-C	1321-3RA750-C				✓ §					
-	1350	Light	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓ §
-	1500	Light	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓ ♣
1000	-	Light	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓ ♣
-	2000	Light	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓ ♣
1400	-	Light	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C									✓ ♣

‡ Input line reactors were sized based on the NEC fundamental motor amps (PowerFlex 700H has an integral input reactor). Output line reactors were sized based on the VFD rated output currents.

\* 4% impedance.

§ Requires two output reactors wired in parallel.

♣ Requires three reactors wired in parallel.

♦ Light Duty refers to PowerFlex 755 drives only.

**Input and Output Reactors - 500...690V, 50/60 Hz, Three-Phase, 3% Impedance**

kW	Hp	Duty	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive						
			IP00 (Open Style)	IP11 (NEMA/UL Type 1)	IP00 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755	
0.25	0.33	Heavy	1321-3R1-C	1321-3RA1-C	1321-3R1-B	1321-3RA1-B	✓						
0.37	0.5	Normal	1321-3R1-C	1321-3RA1-C	1321-3R1-B	1321-3RA1-B	✓						
		Heavy	1321-3R1-C	1321-3RA1-C	1321-3R2-B	1321-3RA2-B		✓		✓			
0.55	0.75	Heavy	1321-3R2-B	1321-3RA2-B	1321-3R2-B	1321-3RA2-B	✓						
0.75	1	Normal	1321-3R2-B	1321-3RA2-B	1321-3R2-B	1321-3RA2-B	✓	✓		✓			✓
		Heavy	1321-3R2-B	1321-3RA2-B	1321-3R4-D	1321-3RA4-D		✓		✓			✓
1.1	1.5	Heavy	1321-3R2-A	1321-3RA2-A	1321-3R4-D	1321-3RA4-D	✓						
1.5	2	Normal	1321-3R4-C	1321-3RA4-C	1321-3R4-D	1321-3RA4-D	✓						
		Heavy	1321-3R4-C	1321-3RA4-C	1321-3R4-C	1321-3RA4-C	✓						✓
		Normal	1321-3R4-D	1321-3RA4-D	1321-3R4-D	1321-3RA4-D		✓		✓			✓
		Heavy	1321-3R4-D	1321-3RA4-D	1321-3R4-C	1321-3RA4-C		✓		✓			✓
2.2	3	Normal	1321-3R4-C	1321-3RA4-C	1321-3R4-C	1321-3RA4-C	✓	✓		✓			✓
		Heavy	1321-3R4-C	1321-3RA4-C	1321-3R8-C	1321-3RA8-C	✓	✓		✓			
4	5	Normal	1321-3R8-C	1321-3RA8-C	1321-3R8-C	1321-3RA8-C	✓	✓		✓			✓
		Heavy	1321-3R8-C	1321-3RA8-C	1321-3R12-C	1321-3RA12-C	✓	✓		✓			✓
5.5	7.5	Normal	1321-3R12-C	1321-3RA12-C	1321-3R12-C	1321-3RA12-C	✓	✓		✓			✓
		Heavy	1321-3R12-C	1321-3RA12-C	1321-3R12-B	1321-3RA12-B	✓	✓		✓			✓
7.5	10	Normal	1321-3R12-B	1321-3RA12-B	1321-3R12-B	1321-3RA12-B	✓	✓		✓			✓
		Heavy	1321-3R12-B	1321-3RA12-B	1321-3R18-B	1321-3RA18-B	✓	✓		✓			✓
11	15	Normal	1321-3R18-B	1321-3RA18-B	1321-3R18-B	1321-3RA18-B	✓	✓		✓			✓
		Heavy	1321-3R18-B	1321-3RA18-B	1321-3R25-B	1321-3RA25-B	✓	✓		✓			✓
15	20	Normal	1321-3R25-B	1321-3RA25-B	1321-3R25-B	1321-3RA25-B	✓	✓		✓			✓
		Heavy	1321-3R25-B	1321-3RA25-B	1321-3R35-C	1321-3RA35-C	✓	✓		✓			✓
18.5	25	Normal	1321-3R35-C	1321-3RA35-C	1321-3R35-C	1321-3RA35-C	✓	✓		✓			✓
		Heavy	1321-3R35-C	1321-3RA35-C	1321-3R35-B	1321-3RA35-B	✓	✓		✓			✓
22	30	Normal	1321-3R35-B	1321-3RA35-B	1321-3R35-B	1321-3RA35-B	✓	✓		✓			✓
		Heavy	1321-3R35-B	1321-3RA35-B	1321-3R45-B	1321-3RA45-B	✓	✓		✓			✓
30	40	Normal	1321-3R45-B	1321-3RA45-B	1321-3R45-B	1321-3RA45-B	✓	✓		✓			✓
		Heavy	1321-3R45-B	1321-3RA45-B	1321-3R55-B	1321-3RA55-B	✓	✓		✓			✓
37	50	Normal	1321-3R55-B	1321-3RA55-B	1321-3R55-B	1321-3RA55-B	✓	✓		✓			✓
		Heavy	1321-3R55-B	1321-3RA55-B	1321-3R80-B	1321-3RA80-B		✓		✓			✓
45	60	Normal/Heavy	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B		✓		✓			✓
55	75	Normal/Heavy	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B		✓		✓			✓
75	100	Normal/Heavy	1321-3R100-B	1321-3RA100-B	1321-3R100-B	1321-3RA100-B		✓		✓			✓
90	125	Normal/Heavy	1321-3R130-B	1321-3RA130-B	1321-3R130-B	1321-3RA130-B		✓		✓			✓
110	150	Normal	1321-3R160-B	1321-3RA160-B	1321-3R160-B	1321-3RA160-B		✓		✓			✓
		Normal/Heavy	-	-	1321-3R200-C	1321-3RA200-C			✓				
132	-	Heavy	-	-	1321-3RB250-C	1321-3RAB250-C			✓				
149	200	Normal/Heavy	-	-	1321-3R200-B	1321-3RA200-B			✓				
160	-	Normal/Heavy	-	-	1321-3RB250-C	1321-3RAB250-C			✓				
187	250	Normal/Heavy	-	-	1321-3RB250-B	1321-3RAB250-B			✓				
-	300	Heavy	1321-3RB320-B	1321-3RAB320-B	1321-3RB320-B	1321-3RAB320-B							✓
200	-	Normal	-	-	1321-3RB250-C	1321-3RAB250-C			✓				
		Heavy	-	-	1321-3RB320-C	1321-3RAB320-C			✓				
		Heavy	1321-3R250-B	1321-3RA250-B	1321-3R250-B	1321-3RA250-B							✓
-	350	Light/Normal/Heavy	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B							✓
250	-	Normal	-	-	1321-3RB320-C	1321-3RAB320-C			✓				
		Heavy	-	-	1321-3RB400-C	1321-3RAB400-C			✓				
		Normal/Heavy	1321-3RB320-B	1321-3RAB320-B	1321-3RB320-B	1321-3RAB320-B							✓
261	350	Normal/Heavy	-	-	1321-3RB320-B	1321-3RAB320-B			✓				

‡ Input line reactors were sized based on the NEC fundamental motor amps (PowerFlex 700H has an integral input reactor). Output line reactors were sized based on the VFD rated output currents.

**Input and Output Reactors - 500...690V, 50/60 Hz, Three-Phase, 3% Impedance (continued)**

kW	Hp	Duty	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive						
			IP00 (Open Style)	IP11 (NEMA/UL Type 1)	IP00 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755	
298	400	Normal/Heavy	-	-	1321-3RB400-B	1321-3RAB400-B			✓				
-	400	Light/Normal/Heavy	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B							✓
300	-	Heavy	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B							✓
-	450	Light/Normal/Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B							✓
315	-	Normal	-	-	1321-3RB400-C	1321-3RAB400-C			✓				
		Heavy	-	-	1321-3R500-C	1321-3RA500-C			✓				
		Light/Normal	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B						✓	
336	450	Normal	-	-	1321-3RB400-B	1321-3RAB400-B			✓				
		Normal	-	-	1321-3R500-B	1321-3RA500-B			✓				
		Heavy	-	-	1321-3RB400-B	1321-3RAB400-B			✓				
-	500	Light/Normal/Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓
355	-	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓				
		Heavy	-	-	1321-3R600-C	1321-3RA600-C			✓				
		Light/Normal/Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B						✓	
373	500	Normal/Heavy	-	-	1321-3R500-B	1321-3RA500-B			✓				
-	550	Light	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓
375	-	Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B							✓
400	-	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓				
		Light/Normal/Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B							✓
448	600	Normal	-	-	1321-3R600-B	1321-3RA600-B			✓				
-	600	Normal/Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓
450	-	Normal/Heavy	-	-	1321-3R600-C	1321-3RA600-C			✓				
		Light/Normal	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓
485	650	Heavy	-	-	1321-3RB320-B	1321-3RAB320-B			✓ §				
500	-	Normal	-	-	1321-3R600-C	1321-3RA600-C			✓				
		Heavy	-	-	1321-3R750-C	1321-3RA750-C			✓				
		Light/Normal/Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B						✓	
522	700	Normal	-	-	1321-3RB320-B	1321-3RAB320-B			✓ §				
		Heavy	-	-	1321-3RB400-C	1321-3RAB400-C			✓ §				
-	700	Light/Normal/Heavy	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B							✓
530	-	Light	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓
560	-	Normal	-	-	1321-3R750-C	1321-3RA750-C			✓				
		Heavy	-	-	1321-3RB400-C	1321-3RAB400-C			✓ §				
		Normal/Heavy	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B						✓	
-	750	Heavy	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B							✓
597	800	Normal	-	-	1321-3RB400-C	1321-3RAB400-C			✓ §				
-	800	Light/Normal/Heavy	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B							✓
630	-	Normal	-	-	1321-3RB400-C	1321-3RAB400-C			✓ §				
		Heavy	-	-	1321-3R500-C	1321-3RA500-C			✓ §				
		Light/Normal/Heavy	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B						✓	
671	900	Normal	-	-	1321-3RB400-B	1321-3RAB400-B			✓ §				
		Heavy	-	-	1321-3R1000-C	1321-3RA1000-C			✓				
-	900	Light/Normal/Heavy	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B							✓
710	-	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓ §				
		Light/Normal/Heavy	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B							✓
-	950	Light/Normal	1321-3R1000-B	1321-3RA1000-B	1321-3R1000-B	1321-3RA1000-B							✓
746	1000	Normal	-	-	1321-3R1000-C	1321-3RA1000-C			✓				
		Heavy	-	-	1321-3R1000-B	1321-3RA1000-B			✓				

continued

‡ Input line reactors were sized based on the NEC fundamental motor amps (PowerFlex 700H has an integral input reactor). Output line reactors were sized based on the VFD rated output currents.

§ Requires two reactors wired in parallel.

**Input and Output Reactors - 500...690V, 50/60 Hz, Three-Phase, 3% Impedance (continued)**

kW	Hp	Duty	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive						
			IPO0 (Open Style)	IP11 (NEMA/UL Type 1)	IPO0 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755	
750	-	Normal	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B							✓
800	-	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓ §				
		Heavy	-	-	1321-3R600-C	1321-3RA600-C			✓ §				
		Light/Normal/Heavy	1321-3R1000-B	1321-3RA1000-B	1321-3R1000-B	1321-3RA1000-B							✓
-	1000	Light/Normal	1321-3R1000-B	1321-3RA1000-B	1321-3R1000-B	1321-3RA1000-B							✓
821	1100	Normal	-	-	1321-3R1000-B	1321-3RA1000-B			✓				
		Heavy	-	-	1321-3R600-B	1321-3RA600-B			✓ §				
-	1100	Light	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓ §
850	-	Light	1321-3R1000-B	1321-3RA1000-B	1321-3R1000-B	1321-3RA1000-B							✓
900	-	Normal/Heavy	-	-	1321-3R600-C	1321-3RA600-C			✓ §				
		Light/Normal	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓ §
970	1300	Normal	-	-	1321-3R600-B	1321-3RA600-B			✓ §				
1000	-	Normal	-	-	1321-3R600-C	1321-3RA600-C			✓ §				
		Heavy	-	-	1321-3R750-C	1321-3RA750-C			✓ §				
		Light	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓ §
1100	-	Normal	-	-	1321-3R750-C	1321-3RA750-C			✓ §				
		Light/Normal	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓ ♣
-	1200	Light	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓ ♣
1500	-	Light/Normal	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓ ♣
-	1500	Light	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B							✓ ♣

‡ Input line reactors were sized based on the NEC fundamental motor amps (PowerFlex 700H has an integral input reactor). Output line reactors were sized based on the VFD rated output currents.

§ Requires two reactors wired in parallel.

♣ Requires three reactors wired in parallel.

**Input and Output Reactors - 500...690V, 50/60 Hz, Three-Phase, 5% Impedance**

kW	Hp	Duty	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive						
			IPO0 (Open Style)	IP11 (NEMA/UL Type 1)	IPO0 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755	
0.25	0.33	Heavy	1321-3R1-A	1321-3RA1-A	1321-3R1-B	1321-3RA1-B	✓						
0.37	0.5	Normal	1321-3R1-B	1321-3RA1-B	1321-3R1-B	1321-3RA1-B	✓						
0.37	0.5	Heavy	1321-3R1-B	1321-3RA1-B	1321-3R2-C	1321-3RA2-C		✓			✓		
0.55	0.75	Heavy	1321-3R2-C	1321-3RA2-C	1321-3R2-C	1321-3RA2-C	✓						
0.75	1	Normal	1321-3R2-C	1321-3RA2-C	1321-3R2-C	1321-3RA2-C	✓	✓			✓		✓
		Heavy	1321-3R2-C	1321-3RA2-C	1321-3R4-D	1321-3RA4-D		✓			✓		✓
1.1	1.5	Heavy	1321-3R2-B	1321-3RA2-B	1321-3R4-D	1321-3RA4-D	✓	✓			✓		
1.5	2	Normal/Heavy	1321-3R4-D	1321-3RA4-D	1321-3R4-D	1321-3RA4-D	✓	✓			✓		✓
2.2	3	Normal	1321-3R4-D	1321-3RA4-D	1321-3R4-D	1321-3RA4-D	✓	✓			✓		✓
		Heavy	1321-3R4-D	1321-3RA4-D	1321-3R8-D	1321-3RA8-D	✓	✓			✓		✓
4	5	Normal	1321-3R8-D	1321-3RA8-D	1321-3R8-D	1321-3RA8-D	✓	✓			✓		✓
		Heavy	1321-3R8-D	1321-3RA8-D	1321-3R12-C	1321-3RA12-C	✓	✓			✓		✓
5.5	7.5	Normal/Heavy	1321-3R12-C	1321-3RA12-C	1321-3R12-C	1321-3RA12-C	✓	✓			✓		✓
7.5	10	Normal	1321-3R12-C	1321-3RA12-C	1321-3R12-C	1321-3RA12-C	✓	✓			✓		✓
		Heavy	1321-3R12-C	1321-3RA12-C	1321-3R18-C	1321-3RA18-C	✓	✓			✓		✓
11	15	Normal	1321-3R18-C	1321-3RA18-C	1321-3R18-C	1321-3RA18-C	✓	✓			✓		✓
		Heavy	1321-3R18-C	1321-3RA18-C	1321-3R25-C	1321-3RA25-C	✓	✓			✓		✓
15	20	Normal	1321-3R25-C	1321-3RA25-C	1321-3R25-C	1321-3RA25-C	✓	✓			✓		✓
		Heavy	1321-3R25-C	1321-3RA25-C	1321-3R35-C	1321-3RA35-C	✓	✓			✓		✓
18.5	25	Normal/Heavy	1321-3R35-C	1321-3RA35-C	1321-3R35-C	1321-3RA35-C	✓	✓			✓		✓
22	30	Normal	1321-3R35-C	1321-3RA35-C	1321-3R35-C	1321-3RA35-C	✓	✓			✓		✓
		Heavy	1321-3R35-C	1321-3RA35-C	1321-3R45-C	1321-3RA45-C	✓	✓			✓		✓
30	40	Normal	1321-3R45-C	1321-3RA45-C	1321-3R45-C	1321-3RA45-C	✓	✓			✓		✓
		Heavy	1321-3R45-C	1321-3RA45-C	1321-3R55-C	1321-3RA55-C	✓	✓			✓		✓
37	50	Normal	1321-3R55-C	1321-3RA55-C	1321-3R55-C	1321-3RA55-C	✓	✓			✓		✓
		Heavy	1321-3R55-C	1321-3RA55-C	1321-3R80-C	1321-3RA80-C		✓			✓		✓
45	60	Normal/Heavy	1321-3R80-C	1321-3RA80-C	1321-3R80-C	1321-3RA80-C		✓			✓		✓
55	75	Normal/Heavy	1321-3R80-C	1321-3RA80-C	1321-3R80-C	1321-3RA80-C		✓			✓		✓
75	100	Normal/Heavy	1321-3R100-C	1321-3RA100-C	1321-3R100-C	1321-3RA100-C		✓			✓		✓
90	125	Normal/Heavy	1321-3R130-C	1321-3RA130-C	1321-3R130-C	1321-3RA130-C		✓			✓		✓
110	150	Normal	1321-3R160-C	1321-3RA160-C	1321-3R160-C	1321-3RA160-C		✓			✓		✓
		Heavy	-	-	1321-3R160-C	1321-3RA160-C					✓ *		
		Normal	-	-	1321-3R200-C	1321-3RA200-C					✓ Δ		
149	200	Normal	-	-	1321-3R200-B	1321-3RA200-B					✓ *		
		Heavy	-	-	1321-3R200-C	1321-3RA200-C					✓ *		
187	250	Normal/Heavy	-	-	1321-3RB250-C	1321-3RAB250-C					✓ *		
-	300	Heavy	1321-3RB320-C	1321-3RAB320-C	1321-3RB320-C	1321-3RAB320-C							✓
200	-	Heavy	1321-3R250-C	1321-3RA250-C	1321-3R250-C	1321-3RA250-C							✓
-	350	Light/Normal/Heavy	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C							✓
250	-	Normal/Heavy	1321-3RB320-C	1321-3RAB320-C	1321-3RB320-C	1321-3RAB320-C							✓
261	350	Normal/Heavy	-	-	1321-3RB320-C	1321-3RAB320-C					✓ *		
-	400	Light/Normal/Heavy	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C							✓
298	400	Normal/Heavy	-	-	1321-3RB400-C	1321-3RAB400-C					✓ *		

continued

‡ Input line reactors were sized based on the NEC fundamental motor amps (PowerFlex 700H has an integral input reactor). Output line reactors were sized based on the VFD rated output currents.

\* 4% impedance.

Δ 3% impedance.

**Input and Output Reactors - 500...690V, 50/60 Hz, Three-Phase, 5% Impedance (continued)**

kW	Hp	Duty	Input Line Reactor ‡		Output Reactor ‡		Used with PowerFlex Drive						
			IPO0 (Open Style)	IP11 (NEMA/UL Type 1)	IPO0 (Open Style)	IP11 (NEMA/UL Type 1)	70	700	700H	700S	700L	753/755	
300	-	Heavy	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C							✓
315	-	Light/Normal	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C							✓
-	450	Light/Normal/Heavy	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C							✓
336	450	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓ *				
		Heavy	-	-	1321-3RB400-C	1321-3RAB400-C			✓				
-	500	Light/Normal	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓
355	-	Light/Normal/Heavy	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C							✓
373	500	Normal/Heavy	-	-	1321-3R500-C	1321-3RA500-C			✓				
-	550	Light	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓
375	-	Heavy	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C							✓
400	-	Light/Normal/Heavy	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C							✓
448	600	Normal	-	-	1321-3R600-C	1321-3RA600-C			✓ *				
-	600	Normal/Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓
450	-	Light/Normal/Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓
485	650	Heavy	-	-	1321-3RB320-C	1321-3RAB320-C			✓ * §				
500	-	Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓
522	700	Normal	-	-	1321-3RB320-C	1321-3RAB320-C			✓ * §				
		Heavy	-	-	1321-3RB400-C	1321-3RAB400-C			✓ * §				
-	700	Light/Normal/Heavy	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C							✓
530	-	Light	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓
-	750	Heavy	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C							✓
560	-	Normal/Heavy	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C							✓
597	800	Normal	-	-	1321-3RB400-C	1321-3RAB400-C			✓ * §				
-	800	Light/Normal/Heavy	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C							✓
630	-	Light/Normal/Heavy	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C							✓
671	900	Normal	-	-	1321-3RB400-C	1321-3RAB400-C			✓ §				
		Heavy	-	-	1321-3R500-C	1321-3RA500-C			✓ * §				
-	900	Light/Normal/Heavy	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C							✓
-	950	Light/Normal	1321-3R1000-C	1321-3RA1000-C	1321-3R1000-C	1321-3RA1000-C							✓
710	-	Light/Normal/Heavy	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C							✓
746	1000	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓ * §				
		Heavy	-	-	1321-3R1000-C	1321-3RA1000-C			✓ *				
750	-	Normal	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C							✓
-	1000	Light/Normal	1321-3R1000-C	1321-3RA1000-C	1321-3R1000-C	1321-3RA1000-C							✓
800	-	Light/Normal/Heavy	1321-3R1000-C	1321-3RA1000-C	1321-3R1000-C	1321-3RA1000-C							✓
821	1100	Normal	-	-	1321-3R1000-C	1321-3RA1000-C			✓ *				
		Heavy	-	-	1321-3R600-C	1321-3RA600-C			✓ * §				
-	1100	Light	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓ §
850	-	Light	1321-3R1000-C	1321-3RA1000-C	1321-3R1000-C	1321-3RA1000-C							✓
900	-	Light/Normal	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓ §
970	1300	Normal	-	-	1321-3R600-C	1321-3RA600-C			✓ * §				
1000	-	Light	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓ §
1100	-	Light/Normal	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓ ♣
-	1200	Light	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓ ♣
1500	-	Light/Normal	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓ ♣
-	1500	Light	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C							✓ ♣

‡ Input line reactors were sized based on the NEC fundamental motor amps (PowerFlex 700H has an integral input reactor). Output line reactors were sized based on the VFD rated output currents.

\* 4% impedance.

§ Requires two output reactors wired in parallel.

♣ Requires three reactors wired in parallel.

