

# PowerFlex 7-Class Options



## Human Interface and Wireless 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, 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 *⊛	20-HIM-C6S	✓	✓	✓	✓	✓	✓
Wireless Interface Module, Handheld/Local (Drive Mount)	20-WIM-N1	✓	✓	✓	✓	✓	✓
Wireless Interface Module, Remote (Panel Mount) *⊛	20-WIM-N4S	✓	✓	✓	✓	✓	✓

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

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

## 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) ♣							
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.

♣ 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™ 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	✓	✓	✓	✓	✓	✓ ‡
EtherNet/IP™ Communication Adapter	20-COMM-E	✓	✓	✓	✓	✓	✓ ‡
EtherNet/IP™ Communication Adapter Conformal Coat	20-COMM-E-MX3	✓	✓	✓	✓	✓	✓ ‡
HVAC Communication Adapter	20-COMM-H	✓	✓	✓	✓ ⌘	✓	✓ ⌘ ‡
Interbus™ Communication Adapter	20-COMM-I	✓	✓	✓	✓	✓	✓ ‡
CANopen™ Communication Adapter	20-COMM-K	✓	✓	✓	✓	✓	✓ ‡
LonWorks™ Communication Adapter	20-COMM-L	✓		✓			
Modbus/TCP Communication Adapter	20-COMM-M	✓	✓	✓	✓	✓	✓ ‡
PROFIBUS™ DP Communication Adapter	20-COMM-P	✓		✓	✓	✓	✓ ‡
ControlNet™ Communication Adapter (Fiber)	20-COMM-Q	✓	✓	✓	✓	✓	✓ ‡
Remote I/O Communication Adapter	20-COMM-R	✓	✓	✓	✓	✓	✓ ‡
Remote I/O Communication Adapter Conformal Coat	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). Refer to page 66 for compatibility details.

† When using a PowerFlex 700S control.

## 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 2 m USB, 20-HIM-H10 & 22-HIM-H10 Cables	1203-USB	✓	✓	✓	✓	✓	✓
ControlNet Ex Right-Angle T-Tap	1786-TPR				✓	✓	✓
Communication Carrier Card	20-750-20COMM						✓

### PowerFlex 750-Series Legacy Communication Options

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

Adapter	Accesses Ports 1...6 for I/O	Accesses Port 7...14 Devices	Supports Drive Add On Profiles	Supports Asian-Languages >
20-COMM-B		Not Compatible		
20-COMM-C	✓⊛	✓ v3.001 §	✓ ♣	✓ v3.001 §
20-COMM-D		Not Compatible		
20-COMM-E		✓ v4.001 §	✓ ♣	✓ v4.001 §
20-COMM-H	✓‡	Not Compatible		
20-COMM-I	✓⊛	Not Compatible		
20-COMM-K		Not Compatible		
20-COMM-L	Not Compatible			
20-COMM-M	✓⊛	✓ v2.001 §	Not Compatible	✓ v2.001 §
20-COMM-P		Not Compatible		
20-COMM-Q		✓ v3.001 §	✓ ♣	✓ v3.001 §
20-COMM-R		Not Compatible		
20-COMM-S		Not Compatible		

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

‡ Only works in the Modbus RTU mode.

§ Requires this adapter firmware version or higher.

♣ Requires firmware version v1.05 or higher of the drive Add On Profiles for RSLogix 5000 version v16 or higher.

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

### 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, 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 Integrated Motion. To use these functions, the Universal Feedback Board (20-750-UFB-1) must be used.

## 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			✓			
24V DC I/O with 2 Analog In, 2 Analog Out, 6 Digital In and 2 Relay Outputs	20-750-2262C-2R						✓
115V AC I/O with 2 Analog In, 2 Analog Out, 6 Digital In and 2 Relay Outputs	20-750-2262D-2R						✓
24V DC I/O 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.

## 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				✓	✓ †	
DriveGuard 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.

❄ Requires the Dual Incremental Encoder option or Universal Feedback option.

## 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
DC Bus Bar Option Kit	6	20-750-DCBB1-F6						✓
	7	20-750-DCBB1-F7						✓
	8	20-750-BUS1-F8						✓
EMC Option Kit	EMC Plate with Core	2	20-750-EMC1-F2					✓
		3	20-750-EMC1-F3					✓
	EMC Plate with Cores	4	20-750-EMC1-F4					✓
		5	20-750-EMC1-F5					✓
	EMC Core	2	20-750-EMC2-F2					✓
		3	20-750-EMC2-F3					✓
	EMC Cores	4...5	20-750-EMC2-F45					✓
		8	20-750-EMCCM1-F8					✓
Flange Adapter Kit	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 1 integrity backside ‡	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					✓
		8	20-750-FLNG4-F8					✓
NEMA/UL Type 1 Option Kit	NEMA/UL Type 1 Kit	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					✓
Remote Control POD Mounting Kit §	Mounting hardware with 25 m (75 ft) fiber optic and 24V control cables for mounting the control POD in a cabinet that is separate from the drive.	8	20-750-RPD1-F8					✓
Roll-out Cart §	Provides a means to move the power core and allow access to the power terminals	8	20-750-CART1-F8					✓

‡ 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.

§ Required for Frame 8 drives without Option Bay to assist with power wiring.

## 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				✓		
24V Aux Power Supply	20-750-APS						✓
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				✓	✓ +	
2x1 Meter Fiber Link for Power Monitor/SynchLink	1403-CF001				✓	✓ +	
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				✓	✓ +	
20 Meter Fiber Link for Power Monitor/SynchLink	1403-CF020				✓	✓ +	
50 Meter Fiber Link for Power Monitor/SynchLink	1403-CF050				✓	✓ +	
100 Meter Fiber Link for Power Monitor/SynchLink	1403-CF100				✓	✓ +	
250 Meter Fiber Link for Power Monitor/SynchLink	1403-CF250				✓	✓ +	

\* 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* <i>kW (Hp)</i>	Heavy Duty* <i>kW (Hp)</i>	Min DB Res <i>Ohms ±10%</i>	Cat. No.	Resistance ⊗ <i>Ohms ±5%</i>	Continuous Power <i>kW</i>	Max Energy <i>kJ</i>	Max Braking Torque <i>% of ND Motor</i>	Application Type 1		Application Type 2	
								Braking Torque <i>% of ND Motor</i>	Duty Cycle	Braking Torque <i>% of ND Motor</i>	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
<b>200...240 Volt AC Input Drives</b>											
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
<b>400...480 Volt AC Input Drives</b>											
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
<b>500...600 Volt AC Input Drives</b>											
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						
	Ω			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		✓			✓		
	68	2	20-750-DB1-D2							✓

### Dynamic Brake, Chopper Only Kits

Voltage	Rating	Peak Transistor Current Rating (A)	Minimum DB Resistance (Ohms)	Cat. No.	Used with PowerFlex Drive					
					70	700	700H	700S	700L	753/755
200...240V AC	18A	50	9	1336-WA018		✓			✓	
	70A	200	2.3	1336-WA070		✓			✓	
	115A	400	1.25	1336-WA115		✓			✓	
380...480V AC	9A	25	37	1336-WB009		✓	✓	✓		✓
	35A	100	9	1336-WB035		✓	✓	✓		✓
	110A	400	2.5	1336-WB110		✓	✓	✓		✓
500...600V AC	9A	25	46	1336-WC009		✓	✓	✓		
	35A	75	15.5	1336-WC035		✓	✓	✓		
	85A	400	3	1336-WC085		✓	✓	✓		

### 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		✓		✓		✓
	75	100	1321-RWR160-DP				✓		
	90	125	1321-RWR160-DP		✓		✓		✓
	110	150	1321-RWR200-DP		✓		✓		✓
	149	200	1321-RWR250-DP		✓	✓	✓		✓
	149	200	1321-RWR320-DP				✓		
187	250	1321-RWR320-DP		✓	✓	✓		✓	
500...600V AC	4	5	1321-RWR8-EP	✓	✓		✓		
	5.5	7.5	1321-RWR8-EP				✓		
	5.5	7.5	1321-RWR12-EP	✓	✓				
	7.5	10	1321-RWR12-EP	✓	✓		✓		
	11	15	1321-RWR18-EP	✓	✓		✓		
	15	20	1321-RWR25-EP	✓	✓		✓		
	18.5	25	1321-RWR25-EP				✓		
	18.5	25	1321-RWR35-EP	✓	✓				
	22	30	1321-RWR35-EP	✓	✓		✓		
	30	40	1321-RWR45-EP	✓	✓		✓		
	37	50	1321-RWR55-EP	✓	✓		✓		
	45	60	1321-RWR80-EP		✓		✓		
	55	75	1321-RWR80-EP		✓		✓		
	75	100	1321-RWR100-EP		✓		✓		
	90	125	1321-RWR130-EP		✓		✓		
	110	150	1321-RWR160-EP		✓		✓		
	110	150	1321-RWR200-EP				✓		
149	200	1321-RWR200-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**

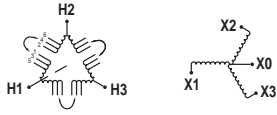


Diagram 1

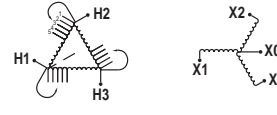


Diagram 2

Motor Rating		Wiring Diagram	240V, 60 Hz, Three-Phase, 240V Primary & 240V Secondary *	460V, 60 Hz, Three-Phase, 460V Primary & 460V Secondary	575V, 60 Hz, Three-Phase 575V 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	✓	✓		✓		✓
4	5	1	1321-3TW007-AA	1321-3TW007-BB	1321-3TW007-CC	✓	✓		✓		✓
5.5	7.5	1	1321-3TW011-AA	1321-3TW011-BB	1321-3TW011-CC	✓	✓		✓		✓
7.5	10	1	1321-3TW014-AA	1321-3TW014-BB	1321-3TW014-CC	✓	✓		✓		✓
11	15	2	1321-3TW020-AA	1321-3TW020-BB	1321-3TW020-CC	✓	✓		✓		✓
15	20	2	1321-3TW027-AA	1321-3TW027-BB	1321-3TW027-CC	✓	✓		✓		✓
18.5	25	2	1321-3TW034-AA	1321-3TW034-BB	1321-3TW034-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		✓	✓			✓
261	350	1	-	1321-3TH440-BB	1321-3TH440-CC		✓	✓			✓
298	400	1	-	1321-3TH440-BB	1321-3TH440-CC		✓	✓			✓
336	450	1	-	1321-3TH550-BB	1321-3TH550-CC		✓	✓			✓
373	500	1	-	1321-3TH550-BB	1321-3TH550-CC		✓	✓			✓
448	600	1	-	1321-3TH660-BB	1321-3TH660-CC		✓	✓			✓
485	650	1	-	-	1321-3TH770-CC		✓	✓			
522	700	1	-	1321-3TH770-BB	1321-3TH770-CC		✓	✓			✓

\* Not applicable for the PowerFlex 755.

**Input and Output Line 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
			Cat. No.	Cat. No.	Cat. No.	Cat. No.						
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 Line 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
			Cat. No.	Cat. No.	Cat. No.	Cat. No.						
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 Line 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
			Cat. No.	Cat. No.	Cat. No.	Cat. No.						
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	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		✓		✓		✓
55	75	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		✓		✓		✓
75	100	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		✓		✓		✓
90	125	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		✓		✓		✓
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			✓			
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		✓	✓	✓		✓
187	250	Normal	1321-3RB320-B	1321-3RAB320-B	1321-3RB320-B	1321-3RAB320-B		✓	✓			✓
		Heavy	1321-3RB320-B	1321-3RAB320-B	1321-3RB320-B	1321-3RAB320-B		✓	✓			✓
224	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		✓	✓			✓

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 Line 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
			Cat. No.	Cat. No.	Cat. No.	Cat. No.						
261	350	Normal	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B		✓	✓			
		Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B			✓			✓
		Heavy	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B		✓	✓			
		Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B		✓	✓			✓
298	400	Light	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B						✓
		Normal	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B		✓				✓
		Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B		✓				✓
336	450	Light	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B						✓
		Normal	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B						✓
		Normal	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B		✓	✓			
		Heavy	1321-3R500-B	1321-3RA500-B	1321-3R500-B	1321-3RA500-B		✓	✓			
		Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B						✓
373	500	Light	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B						✓
		Normal	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B		✓	✓			
		Normal	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B						✓
		Heavy	1321-3R600-B	1321-3RA600-B	1321-3R600-B	1321-3RA600-B		✓				
		Heavy	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B						✓
448	600	Light	1321-3R750-B	1321-3RA750-B	1321-3R750-B	1321-3RA750-B						✓
		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		✓				
485	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						✓
522	700	Light	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B						✓
		Normal	1321-3R850-B	1321-3RA850-B	1321-3R850-B	1321-3RA850-B		✓				✓
		Normal	-	-	1321-3RB400-B	1321-3RAB400-B			✓ ‡			
597	800	Normal	-	-	1321-3R500-B	1321-3RA500-B			✓ ‡			
		Heavy	-	-	1321-3R500-B	1321-3RA500-B			✓ ‡			
671	900	Normal	-	-	1321-3R500-B	1321-3RA500-B			✓ ‡			
		Heavy	-	-	1321-3R600-B	1321-3RA600-B			✓ ‡			
746	1000	Normal	-	-	1321-3R600-B	1321-3RA600-B			✓ ‡			
		Heavy	-	-	1321-3R750-B	1321-3RA750-B			✓ ‡			
895	1200	Normal	-	-	1321-3R750-B	1321-3RA750-B			✓ ‡			
933	1250	Normal	-	-	1321-3R750-B	1321-3RA750-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 output reactors wired in parallel.

> Light Duty refers to PowerFlex 755 drives only.



**Input and Output Line 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
			Cat. No.	Cat. No.	Cat. No.	Cat. No.						
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	1321-3R25-C	1321-3RA25-C	1321-3R25-C	1321-3RA25-C	✓	✓		✓		✓
		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	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		✓		✓		✓
55	75	Normal	1321-3R100-C	1321-3RA100-C	1321-3R100-C	1321-3RA100-C		✓		✓		✓
		Heavy	1321-3R100-C	1321-3RA100-C	1321-3R100-C	1321-3RA100-C		✓		✓		✓
75	100	Normal	1321-3R130-C	1321-3RA130-C	1321-3R130-C	1321-3RA130-C		✓		✓		✓
		Heavy	1321-3R130-C	1321-3RA130-C	1321-3R130-C	1321-3RA130-C		✓		✓		✓
90	125	Normal	1321-3R160-C	1321-3RA160-C	1321-3R160-C	1321-3RA160-C		✓		✓		✓
		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‡			✓	✓ §		
149	200	Normal	1321-3RB250-C	1321-3RAB250-C	1321-3RB250-C	1321-3RAB250-C		✓		✓ ♣		✓
		Heavy	1321-3RB250-C	1321-3RAB250-C	1321-3RB250-C	1321-3RAB250-C		✓	✓	✓		✓
187	250	Normal	1321-3RB320-C	1321-3RAB320-C	1321-3RB320-C	1321-3RAB320-C		✓	✓			✓
		Heavy	1321-3RB320-C	1321-3RAB320-C	1321-3RB320-C	1321-3RAB320-C		✓	✓			✓
224	300	Normal	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C		✓	✓			✓
		Heavy	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C		✓	✓			✓
		Heavy	1321-3RC400-C	-	1321-3RC400-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.

‡ Requires two output reactors wired in parallel.

§ For use with 300A PowerFlex 700S.

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

**Input and Output Line 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
			Cat. No.	Cat. No.	Cat. No.	Cat. No.						
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		✓	✓			
		Heavy	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C						✓
298	400	Light	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C						✓
		Normal	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C		✓				✓
		Heavy	1321-3R500-C	1321-3RA500-C	1321-3R500-C	1321-3RA500-C		✓				✓
336	450	Light	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C						✓
		Normal	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C						✓
		Normal	1321-3R600-C	1321-3RA600-C	1321-3R500-C	1321-3RA500-C		✓	✓			
		Heavy	1321-3R600-C	1321-3RA600-C	1321-3R500-C	1321-3RA500-C		✓	✓			
		Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C						✓
373	500	Light	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C						✓
		Normal	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C		✓	✓			
		Normal	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C						✓
		Heavy	1321-3R600-C	1321-3RA600-C	1321-3R600-C	1321-3RA600-C		✓	✓			
		Heavy	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C						✓
448	600	Normal	1321-3R750-E	1321-3RA750-E	1321-3R750-E	1321-3RA750-E		✓				
		Heavy	1321-3R750-E	1321-3RA750-E	1321-3R750-E	1321-3RA750-E		✓				
522	600	Light	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C						✓
		Normal	1321-3R750-C	1321-3RA750-C	1321-3R750-C	1321-3RA750-C			✓*			✓
		Heavy	-	-	1321-3R750-C	1321-3RA750-C			✓*			
485	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						✓
522	700	Light	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C						✓
		Normal	1321-3R850-C	1321-3RA850-C	1321-3R850-C	1321-3RA850-C		✓				
671	700	Heavy	-	-	1321-3RB400-C	1321-3RAB400-C			✓ ‡			
597	800	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓ ‡			
746	800	Heavy	-	-	1321-3R500-C	1321-3RA500-C			✓ ‡			
671	900	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓ ‡			
		Heavy	-	-	1321-3R600-C	1321-3RA600-C			✓ ‡			
746	1000	Normal	-	-	1321-3R600-C	1321-3RA600-C			✓ ‡			
		Heavy	-	-	1321-3R750-C	1321-3RA750-C			✓ ‡*			
895	1200	Normal	-	-	1321-3R750-C	1321-3RA750-C			✓ ‡*			
933	1250	Normal	-	-	1321-3R750-C	1321-3RA750-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.

➤ Light Duty refers to PowerFlex 755 drives only.

**Input and Output Line 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		
			Cat. No.	Cat. No.	Cat. No.	Cat. No.								
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	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		✓			✓			
55	75	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		✓			✓			
75	100	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		✓			✓			
90	125	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		✓			✓			
110	150	Normal	1321-3R160-B	1321-3RA160-B	1321-3R160-B	1321-3RA160-B		✓			✓			
		Heavy	-	-	1321-3R200-C	1321-3RA200-C					✓			
		Normal	-	-	1321-3R200-C	1321-3RA200-C					✓			
		Heavy	-	-	1321-3R200-C	1321-3RA200-C					✓			
149	200	Normal	-	-	1321-3R200-B	1321-3RA200-B					✓			
		Heavy	-	-	1321-3R200-B	1321-3RA200-B					✓			
187	250	Normal	-	-	1321-3RB250-B	1321-3RAB250-B					✓			
		Heavy	-	-	1321-3RB250-B	1321-3RAB250-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 Line 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
			Cat. No.	Cat. No.	Cat. No.	Cat. No.						
261	350	Normal	-	-	1321-3RB320-B	1321-3RAB320-B			✓			
		Heavy	-	-	1321-3RB320-B	1321-3RAB320-B			✓			
298	400	Normal	-	-	1321-3RB400-B	1321-3RAB400-B			✓			
261	350	Heavy	-	-	1321-3RB320-B	1321-3RAB320-B			✓			
336	450	Normal	-	-	1321-3RB400-B	1321-3RAB400-B			✓			
298	400	Heavy	-	-	1321-3RB400-B	1321-3RAB400-B			✓			
336	450	Normal	-	-	1321-3R500-B	1321-3RA500-B			✓			
		Heavy	-	-	1321-3RB400-B	1321-3RAB400-B			✓			
373	500	Normal	-	-	1321-3R500-B	1321-3RA500-B			✓			
		Heavy	-	-	1321-3R500-B	1321-3RA500-B			✓			
448	600	Normal	-	-	1321-3R600-B	1321-3RA600-B			✓			
485	650	Heavy	-	-	1321-3RB320-B	1321-3RAB320-B			✓ ‡			
522	700	Normal	-	-	1321-3RB320-B	1321-3RAB320-B			✓ ‡			
		Heavy	-	-	1321-3RB400-C	1321-3RAB400-C			✓ ‡			
597	800	Normal	-	-	1321-3RB400-C	1321-3RAB400-C			✓ ‡			
671	900	Normal	-	-	1321-3RB400-B	1321-3RAB400-B			✓ ‡			
		Heavy	-	-	1321-3R1000-C	1321-3RA1000-C			✓			
746	1000	Normal	-	-	1321-3R1000-C	1321-3RA1000-C			✓			
		Heavy	-	-	1321-3R1000-B	1321-3RA1000-B			✓			
821	1100	Normal	-	-	1321-3R1000-B	1321-3RA1000-B			✓			
		Heavy	-	-	1321-3R600-B	1321-3RA600-B			✓ ‡			
970	1300	Normal	-	-	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 output reactors wired in parallel.

**Input and Output Line Reactors - 500...690V, 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
			Cat. No.	Cat. No.	Cat. No.	Cat. No.						
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	1321-3R4-D‡	1321-3RA4-D‡	1321-3R4-D‡	1321-3RA4-D‡	✓					
		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‡	1321-3R4-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	1321-3R12-C‡	1321-3RA12-C‡	1321-3R12-C‡	1321-3RA12-C‡	✓	✓		✓		
		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	1321-3R35-C‡	1321-3RA35-C‡	1321-3R35-C‡	1321-3RA35-C‡	✓	✓		✓		
		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	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		✓		✓		
55	75	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		✓		✓		
75	100	Normal	1321-3R100-C	1321-3RA100-C	1321-3R100-C	1321-3RA100-C		✓		✓		
		Heavy	1321-3R100-C	1321-3RA100-C	1321-3R100-C	1321-3RA100-C		✓		✓		
90	125	Normal	1321-3R130-C	1321-3RA130-C	1321-3R130-C	1321-3RA130-C		✓ ‡		✓		
		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			✓ *			
110	150	Normal	-	-	1321-3R200-C	1321-3RA200-C			✓ ♣			
		Heavy	-	-	1321-3R200-C	1321-3RA200-C			✓ ♣			
149	200	Normal	-	-	1321-3R200-B	1321-3RA200-B			✓ *			
		Heavy	-	-	1321-3R200-C	1321-3RA200-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.

♣ 3% impedance.

‡ Requires two output reactors wired in parallel.

**Input and Output Line Reactors - 500...690V, 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
			Cat. No.	Cat. No.	Cat. No.	Cat. No.						
187	250	Normal	-	-	1321-3RB250-C	1321-3RAB250-C			✓ *			
		Heavy	-	-	1321-3RB250-C	1321-3RAB250-C			✓ *			
261	350	Normal	-	-	1321-3RB320-C	1321-3RAB320-C			✓ *			
		Heavy	-	-	1321-3RB320-C	1321-3RAB320-C			✓ *			
298	400	Normal	-	-	1321-3RB400-C	1321-3RAB400-C			✓ *			
		Heavy	-	-	1321-3RB400-C	1321-3RAB400-C			✓ *			
336	450	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓ *			
		Heavy	-	-	1321-3RB400-C	1321-3RAB400-C			✓			
373	500	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓			
		Heavy	-	-	1321-3R500-C	1321-3RA500-C			✓			
448	600	Normal	-	-	1321-3R600-C	1321-3RA600-C			✓ *			
485	650	Heavy	-	-	1321-3RB320-C	1321-3RAB320-C			✓ *‡			
522	700	Normal	-	-	1321-3RB320-C	1321-3RAB320-C			✓ *‡			
		Heavy	-	-	1321-3RB400-C	1321-3RAB400-C			✓ *‡			
597	800	Normal	-	-	1321-3RB400-C	1321-3RAB400-C			✓ *‡			
671	900	Normal	-	-	1321-3RB400-C	1321-3RAB400-C			✓ ‡			
		Heavy	-	-	1321-3R500-C	1321-3RA500-C			✓ *‡			
746	1000	Normal	-	-	1321-3R500-C	1321-3RA500-C			✓ *‡			
		Heavy	-	-	1321-3R1000-C	1321-3RA1000-C			✓ *			
821	1100	Normal	-	-	1321-3R1000-C	1321-3RA1000-C			✓ *			
		Heavy	-	-	1321-3R600-C	1321-3RA600-C			✓ *‡			
970	1300	Normal	-	-	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.

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

kW	Hp	Duty	Output Reactor ✱		Used with PowerFlex Drive					
			IP00 (Open Style)	IP11 (NEMA Type 1)	70	700	700H	700S	700L	753/755
			Cat. No.	Cat. No.						
132	200	Heavy	1321-3RB250-C	1321-3RAB250-C			✓			
160	250	Normal	1321-3RB250-C	1321-3RAB250-C			✓			
		Heavy	1321-3RB250-C	1321-3RAB250-C			✓			
200	300	Normal	1321-3RB250-C	1321-3RAB250-C			✓			
		Heavy	1321-3RB320-C	1321-3RAB320-C			✓			
250	250	Normal	1321-3RB320-C	1321-3RAB320-C			✓			
		Heavy	1321-3RB400-C	1321-3RAB400-C			✓			
315	350	Normal	1321-3RB400-C	1321-3RAB400-C			✓			
		Heavy	1321-3R500-C	1321-3RA500-C			✓			
355	400	Normal	1321-3R500-C	1321-3RA500-C			✓			
		Heavy	1321-3R600-C	1321-3RA600-C			✓			
400	450	Normal	1321-3R500-C	1321-3RA500-C			✓			
450	500	Normal	1321-3R600-C	1321-3RA600-C			✓			
		Heavy	1321-3R600-C	1321-3RA600-C			✓			
500	500	Normal	1321-3R600-C	1321-3RA600-C			✓			
		Heavy	1321-3R750-C	1321-3RA750-C			✓			
560	600	Normal	1321-3R750-C	1321-3RA750-C			✓			
		Heavy	1321-3RB400-C	1321-3RAB400-C			✓ ‡			
630	700	Normal	1321-3RB400-C	1321-3RAB400-C			✓ ‡			
		Heavy	1321-3R500-C	1321-3RA500-C			✓ ‡			
710	800	Normal	1321-3R500-C	1321-3RA500-C			✓ ‡			
800	900	Normal	1321-3R500-C	1321-3RA500-C			✓ ‡			
		Heavy	1321-3R600-C	1321-3RA600-C			✓ ‡			
900	1000	Normal	1321-3R600-C	1321-3RA600-C			✓ ‡			
		Heavy	1321-3R600-C	1321-3RA600-C			✓ ‡			
1000	1100	Normal	1321-3R600-C	1321-3RA600-C			✓ ‡			
		Heavy	1321-3R750-C	1321-3RA750-C			✓ ‡			
1100	1300	Normal	1321-3R750-C	1321-3RA750-C			✓ ‡			

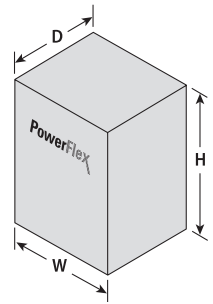
✱ PowerFlex 700H has an integral input reactor. Output reactors were sized based on the VFD rated output currents.

‡ Requires two output reactors wired in parallel.

# Approximate Dimensions & Weights

## IP20/21, NEMA/UL Type 1/Open

Dimensions are in mm (in.) - weights are in kg (lb)



### PowerFlex 4M - IP20, NEMA/UL Type Open

Frame	H	W	D	Weight
A	174.0 (6.85)	72.0 (2.83)	136.0 (5.35)	1.58 (3.5)
B	174.0 (6.85)	100.0 (3.94)	136.0 (5.35)	2.09 (4.6)
C	260.0 (10.24)	130.0 (5.12)	180.0 (7.09)	4.81 (10.6)

### PowerFlex 4 - IP20, NEMA/UL Type Open

Frame	H	H1 *	W	D	Weight
A	152.0 (5.98)	185.0 (7.28)	80.0 (3.15)	136.0 (5.35)	1.41 (3.1)
B	180.0 (7.09)	213.0 (8.39)	100.0 (3.94)	136.0 (5.35)	2.22 (4.9)

\* Overall height of drive with IP30, NEMA 1/UL Type 1 option kit installed.

### PowerFlex 40 - IP20, NEMA/UL Type Open

Frame	H	H1 *	H2 ☼	W	D	D2 ☼	Weight
B	180.0 (7.09)	213.0 (8.39)	244.0 (9.61)	100.0 (3.94)	136.0 (5.35)	161.0 (6.33)	2.22 (4.9)
C	260.0 (10.20)	320.0 (12.60)	320.0 (12.60)	130.0 (5.10)	180.0 (7.10)	205.0 (8.08)	4.31 (9.5)

\* Drive with IP30, NEMA 1/UL Type 1 option kit installed.

☼ Drive with IP30, NEMA 1/UL Type 1 option kit and Communication Option (22-JBCx) installed.

### PowerFlex 40P - IP20, NEMA/UL Type Open

Frame	H	H1 *	H2 ☼	W	D	D1 ☼	Weight
B	180.0 (7.09)	213.0 (8.39)	244.0 (9.61)	100.0 (3.94)	136.0 (5.35)	161.0 (6.34)	2.22 (4.9)
C	260.0 (10.20)	320.0 (12.60)	320.0 (12.60)	130.0 (5.10)	180.0 (7.10)	205.0 (8.07)	4.31 (9.5)

\* Drive with IP30, NEMA 1/UL Type 1 option kit installed.

☼ Drive with IP30, NEMA 1/UL Type 1 option kit and Communication Option (22-JBCx) installed.

### PowerFlex 70 - IP20, NEMA/UL Type Open

Frame	H	W	D	Weight *
A	225.7 (8.89)	122.4 (4.82)	179.8 (7.08)	2.71 (6.0)
B	234.6 (9.24)	171.7 (6.76)	179.8 (7.08)	3.60 (7.9)
C	300.0 (11.81)	185.0 (7.28)	179.8 (7.08)	6.89 (15.2)
D	350.0 (13.78)	219.9 (8.66)	179.8 (7.08)	9.25 (20.4)
E	555.8 (21.88)	280.3 (11.04)	207.1 (8.15)	18.60 (41.0)

\* Weights include HIM and I/O.



**PowerFlex 700 - IP20, NEMA/UL Type 1**

Frame	H	W	D	Weight *
0	336.0 (13.23)	110.0 (4.33)	200.0 (7.87)	5.22 (11.5)
1	336.0 (13.23)	135.0 (5.31)	200.0 (7.87)	7.03 (15.5)
2	342.5 (13.48)	222.0 (8.74)	200.0 (7.87)	12.52 (27.6)
3	517.5 (20.37)	222.0 (8.74)	200.0 (7.87)	18.55 (40.9)
4	758.8 (29.87)	220.0 (8.66)	201.7 (7.94)	24.49 (54.0)
5	644.5 (25.37) ※	308.9 (12.16)	275.4 (10.84)	37.19 (82.0)
6	850.0 (33.46)	403.9 (15.90)	275.5 (10.85)	71.44 (157.5) §
7	1498.6 (59.00)	514.4 (20.25)	406.9 (16.02)	170.00 (375.0)
8	2373.9 (93.46)	757.7 (29.83)	889.0 (35.00) ‡	509.00 (1122.0)
9	2373.9 (93.46)	757.7 (29.83)	1016.0 (40.00)	526.00 (1159.0)
10 (AC Input)	2373.9 (93.46)	1267.7 (49.91)	889.0 (35.00)	867.00 (1912.0)
10 (DC Input)	2373.9 (93.46)	757.7 (29.83)	889.0 (35.00)	468.00 (1032.0)

\* Weights include HIM and I/O.

※ When using the supplied junction box (100 Hp drives Only), add an additional 45.1 mm (1.78 in.) to this dimension.

‡ Depth for 20Bx535, 600 is 1016.0 (40.00).

§ Add 13.60 kg (30.0 lbs.) for the following drives; 20BB260, 20BC260 and 20BD248.

**PowerFlex 700H - IP21, NEMA Type 1**

Frame	H	W	D	Weight
9	1150.0 (45.28)	480.0 (18.90)	363.3 (14.32)	Refer to the PowerFlex 700H Technical Data
10	2275.0 (89.57)	597.0 (23.50)	632.5 (24.90)	
11	2275.0 (89.57)	797.0 (31.38)	621.7 (24.48)	
12	2275.0 (89.57)	1196.0 (47.09)	632.5 (24.90)	
13	2275.0 (89.57)	1412.0 (55.59) *	620.0 (24.41)	
14 (1500A)	2275.0 (89.57)	2397.0 (94.37)	620.0 (24.41)	
14 (above 1500A)	2275.0 (89.57)	2800.0 (110.24)	620.0 (24.41)	
14 (DC Input)	2270.0 (89.37)	1597.0 (62.87)	620.0 (24.41)	

\* Width for 400/480V AC (540/650V DC) 1300 and 1450A is 1600.0 (62.99).

**PowerFlex 700S - IP20/21, NEMA/UL Type 1**

Frame	H	W	D	Weight *
1	336.0 (13.23)	166.9 (6.57) ‡	200.0 (7.87)	7.03 (15.5)
2	342.5 (13.48)	253.9 (9.99) ‡	200.0 (7.87)	12.52 (27.6)
3	517.5 (20.37)	253.9 (9.99) ‡	200.0 (7.87)	18.55 (40.9)
4	758.8 (29.87)	251.9 (9.92) ‡	201.7 (7.94)	24.49 (54.0)
5	644.5 (25.37) ※	339.9 (13.38) ‡	275.4 (10.84)	37.19 (82.0)
6	850.0 (33.46)	435.8 (17.16) ‡	275.5 (10.85)	71.44 (157.5) ♣
9	1150.0 (45.28)	480.0 (18.90)	363.3 (14.32)	Refer to the PowerFlex 700S Technical Data
10	2275.0 (89.57)	597.0 (23.50)	632.5 (24.90)	
11	2275.0 (89.57)	797.0 (31.38)	621.7 (24.48)	
12	2275.0 (89.57)	1196.1 (47.09)	632.5 (24.90)	
13	2275.0 (89.57)	1412.0 (55.6) §	620.0 (24.41)	
14 (1500A)	2275.0 (89.57)	2397.0 (94.37)	620.0 (24.41)	
14 (above 1500A)	2275.0 (89.57)	2800.0 (110.24)	620.0 (24.41)	
14 (DC Input)	2270.0 (89.37)	1597.0 (62.87)	620.0 (24.41)	

\* Weights include HIM, DriveLogix controller with ControlNet daughtercard, Hi-Resolution Encoder Option, and 20-COMM-C ControlNet adapter.

※ When using the supplied junction box (100 Hp drives Only), add an additional 45.1 mm (1.78 in.) to this dimension.

‡ Dimension includes Expanded Cassette.

§ Width for 400/480V AC (540/650V DC) 1300 and 1450A is 1600.0 (62.99).

♣ Add an additional 3.6 kg (8.00 lbs.) for 200 Hp drives.

### PowerFlex 700L - IP20, NEMA/UL Type 1

Frame	H	W	D	Weight
2	955.7 (37.63)	423.8 (16.68)	566.1 (22.29)	186.00 (410.0)
3A	2078.0 (81.90)	1200.0 (47.20)	600.0 (23.60)	950.00 (2090.0)
3B	2278.0 (89.80)	1600.0 (63.00)	800.0 (31.50)	1361.00 (3000.0)

### PowerFlex 750-Series - IP00/IP20, NEMA/UL Type Open

Frame	H	W	D	Weight
2	424.2 (16.70)	134.5 (5.30)	212.0 (8.35)	7.80 (17.2)
3	454.0 (17.87)	190.0 (7.48)	212.0 (8.35)	11.80 (26.1)
4	474.0 (18.66)	222.0 (8.74)	212.0 (8.35)	13.60 (30.0)
5	550.0 (21.65)	270.0 (10.63)	212.0 (8.35)	20.40 (45.0)
6	665.5 (26.20)	308.0 (12.13)	346.4 (13.64)	38.60 (85.0)
7	881.5 (34.70)	430.0 (16.93)	349.6 (13.76)	72.60...108.90 (160.0...240.0)

### PowerFlex 750-Series - IP20, NEMA/UL Type 1, MCC Style Cabinet

Frame	H	W	D	Weight
8	2453.0 (96.60)	600.0 (23.60)	600.0 (23.60) or 800.0 (31.50)	Refer to the PowerFlex 750-Series Technical Data
8 w/Cabinet Option Bay	2453.0 (96.60)	1200.0 (47.20)	600.0 (23.60) or 800.0 (31.50)	

## Panel Mount

### PowerFlex 400

Frame	H	H1 *	W	D	Weight
C	260.0 (10.20)	320.0 (12.60)	130.0 (5.10)	180.0 (7.10)	Refer to the PowerFlex 400 User Manual
D	436.2 (17.17)	–	250.0 (9.84)	206.1 (8.11)	
E	605.5 (23.84)	–	370.0 (14.57)	259.2 (10.21)	
F	850.0 (33.46)	–	425.0 (16.73)	280.0 (11.02)	
G	892.0 (35.12)	–	425.0 (16.73)	264.0 (10.39)	
H	1363.8 (53.69)	–	529.2 (20.83)	358.6 (14.12)	

\* Drive with IP30, NEMA 1/UL Type 1 option kit installed.

## IP54, NEMA/UL Type 4X/12

### PowerFlex 750-Series - IP54, NEMA/UL Type 12

Frame	H	W	D	Weight
2	543.2 (21.39)	215.3 (8.48)	222.2 (8.75)	Refer to the PowerFlex 750-Series Technical Data
3	551.0 (21.69)	268.0 (10.55)	220.1 (8.67)	
4	571.0 (22.48)	300.0 (11.81)	220.1 (8.67)	
5	647.0 (25.47)	348.0 (13.70)	220.1 (8.67)	
6	1298.3 (51.11)	609.4 (23.99)	464.7 (18.30)	
7	1614.0 (63.54)	609.4 (23.99)	464.7 (18.30)	

## IP66, NEMA/UL Type 4X/12

### PowerFlex 40

Frame	H	W	D	Weight
B	270.0 (10.63)	165.0 (6.50)	198.0 (7.80)	Refer to the PowerFlex 4/40 Technical Data

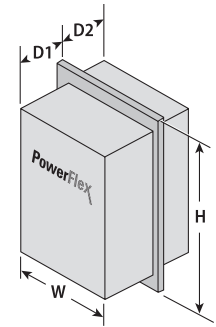
### PowerFlex 70

Frame	H	W	D	Weight *
B	239.8 (9.44)	171.7 (6.76)	203.3 (8.00)	3.61 (8.0)
D	350.0 (13.78)	219.9 (8.66)	210.7 (8.29)	9.13 (20.1)
E	555.8 (21.88)	280.3 (11.04)	219.8 (8.65)	18.6 (41.0)

\* Weights include HIM and I/O.

## Flange Mount

Dimensions are in mm (in.) - weights are in kg (lb)



### PowerFlex 4

Frame	H	W	D1	D2	Weight
A	210.0 (8.27)	175.0 (6.89)	92.8 (3.65)	54.7 (2.15)	Refer to the PowerFlex 4/40 Technical Data
B	250.0 (9.84)	244.0 (9.61)	94.3 (3.71)	63.1 (2.48)	

### PowerFlex 40

Frame	H	W	D1	D2	Weight
B	250.0 (9.84)	244.0 (9.61)	94.3 (3.71)	63.1 (2.48)	Refer to the PowerFlex 4/40 Technical Data
C	325.0 (12.80)	300.0 (11.81)	105.8 (4.17)	138.2 (5.44)	

### PowerFlex 40P

Frame	H	W	D1	D2	Weight
B	250.0 (9.84)	244.0 (9.61)	94.3 (3.71)	63.1 (2.48)	Refer to the PowerFlex 40P Technical Data
C	325.0 (12.80)	300.0 (11.81)	105.8 (4.17)	138.2 (5.44)	

### PowerFlex 400

Frame	H	W	D1	D2	Weight
C	325.0 (12.80)	300.0 (11.81)	105.8 (4.17)	138.2 (5.44)	Refer to the PowerFlex 400 User Manual

## PowerFlex 70

Frame	H	W	D1	D2	Weight *
A	225.8 (8.89)	156.0 (6.14)	123.0 (4.84)	55.6 (2.19)	2.71 (6.0)
B	234.6 (9.24)	205.2 (8.08)	123.0 (4.84)	55.6 (2.19)	3.60 (7.9)
C	300.0 (11.81)	219.0 (8.62)	123.0 (4.84)	55.6 (2.19)	6.89 (15.2)
D	350.0 (13.78)	248.4 (9.78)	123.0 (4.84)	55.6 (2.19)	9.25 (20.4)
E	555.8 (21.88)	280.3 (11.04)	117.2 (4.61)	89.9 (3.54)	18.60 (41.0)

\* Weights include HIM and I/O.

## PowerFlex 700 - Open/Flange Mount (Front = IP00, NEMA/UL Type Open, Back/Heatsink = IP54, NEMA 12)

Frame	H	W	D1	D2	Weight
5 §	1061.0 (41.77)	500.0 (19.69)	303.6 (11.95)	97.0 (3.82)	61.69 (136.0)
6 §	1100.0 (43.30)	584.0 (23.00)	294.7 (11.60)	131.6 (5.20)	99.79 (220.0)
7	1498.6 (59.00)	514.4 (20.25)	218.2 (8.59)	134.6 (5.30)	146.96 (324.0)
8	2275.8 (89.60)	757.7 (29.83)	345.4 (13.60)	254.0 (10.00) ♣	384.19 (847.0)
9	2275.8 (89.60)	757.7 (29.83)	400.8 (15.78)	381.0 (15.00)	400.98 (884.0)
10 (AC Input)	2275.8 (89.60)	1267.7 (49.91)	338.6 (13.30)	252.7 (9.95)	531.61 (1172.0)
10 (DC Input)	2275.8 (89.60)	757.7 (29.83)	338.6 (13.30)	252.7 (9.95)	304.81 (672.0)

§ 400...690V drives only.

♣ Depth for 20Bx535, 600 is 381.0 (15.00).

## PowerFlex 750-Series - Flange Mount

Frame	H	W	D1	D2	Weight
2	481.8 (18.97)	206.2 (8.12)	148.3 (5.84)	63.7 (2.51)	Refer to the PowerFlex 750-Series Technical Data
3	515.0 (20.28)	260.0 (10.24)	127.4 (5.02)	84.6 (3.33)	
4	535.0 (21.06)	292.0 (11.50)	127.4 (5.02)	84.6 (3.33)	
5	611.0 (24.06)	340.0 (13.39)	127.4 (5.02)	84.6 (3.33)	
6	665.5 (26.20)	308.0 (12.13)	208.4 (8.20)	138.0 (5.43)	
7	875.0 (34.45)	430.0 (16.93)	208.4 (8.20)	138.0 (5.43)	