PowerFlex 755

Adjustable Frequency AC Drive

Allen-Bradley

PowerFlex 755 AC Drive

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Conformity to Standards

The PowerFlex 755 drive conforms to the following:

UL Listed	✓	NEMA	✓
c-UL	✓	ROHS Compliant	✓
SEMI F47	✓	TUV FS	✓
CE Approved	✓	EMC (EN 61800-3)	✓
C-Tick	✓	Low Voltage (EN 61800-5-1)	✓

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Drive Description

Designed for ease of integration, application flexibility and performance, the PowerFlex® 755 AC drive provides greater functionality across your manufacturing systems and is available in the following ratings; 7.5…250 kW / 10…350 Hp at 400/480V AC & 540/650V DC input.

The PowerFlex 755 AC drive is aimed to maximize your investment and help improve productivity. Ideal for applications that require safety, high motor control performance, and application flexibility, the PowerFlex 755 is a highly functional and cost effective solution.

The PowerFlex 755 AC drive offers customers more selection for control and supporting hardware options than any other drive in its class. Offering the latest technologies standard:

- Integrated DeviceLogix™ Control
- Embedded Ethernet/IP™
- Predictive Diagnostics
- Selectable motor control algorithms to support multiple motor type applications
  - – Vector Control with Force Technology™
  - – Permanent Magnet Motor Control
  - – Sensorless
  - – Volts-per-Hertz
- Speed, Position, and Torque Control
- Conformal Coating

Available with two Safety options, a Safe Torque-Off only option and a Safe Speed Monitor option which also includes Safe Torque-Off, Rockwell Automation Safe Speed Control Technology, Door Control, and an Embedded Safety relay.

Multiple feedback interfaces to support a wide range of applications including Incremental, EnDat and Hiperface for Stegmann and Heidenhain high resolution feedbacks, SSI for Stahltronis and Temposonics and BiSS for linear feedback.

The PowerFlex 755 comes Standard with (1) Digital Input which supports either 24V DC or 120V AC, but offers a variety of I/O options to meet application requirements.

A Human Interface Module (HIM) offers an LCD display for six lines of text providing meaningful explanations of parameters, events, and the Assisted Start-up Routine. The HIM is compatible with the PowerFlex 70, 700, 700S, and 700H drives and is available in NEMA 1 and NEMA 4 versions.

In addition to Embedded Ethernet/IP, the PowerFlex 755 supports:

- DeviceNet
- ControlNet
- EtherNet/IP
- Remote I/O
- RS485 DF1
- PROFIBUS DP
- Interbus
- Bluetooth
- Modbus RTU
- CANopen

Catalog Number Explanation

Position	1…3	4	5	6	7	8…10	11	12	13	14	15	16	17	18
	20G	1	1	N	D	248	A	A	0	N	N	N	N	N
	a	b	c	d	e	f	g	h						

a

Drive	
Code	**Type**
20G	PowerFlex 755

b

Future Use

c

Input Type		
Code	**Description**	**Frames**
1	6 Pulse, w/DC Terminals	2…7
A	6 Pulse, w/o DC Terminals	6, 7

d

Enclosure	
Code	**Description**
F	Flange (NEMA/UL Type 4X back) § ‡
G	IP54, NEMA/UL Type 12 §
N	IP20/IP00, NEMA/UL Type Open ❄

‡ Frames 6…7 User Installed Flange Kit (see page 6) provides a NEMA/UL Type 4X back.

§ Frames 2…5 only.

❄ Frames 2…5 are IP20, Frames 6…7 are IP00.

e

Voltage Rating	
Code	**Voltage**
C	400V AC
D	480V AC

f1

ND Rating				
400V, 50 Hz Input				
Code	**Amps**	**kW**	**Frame**	
			Enclosure Codes F and N	**Enclosure Code G**
015	15.4	7.5	2	2
022	22	11	2	2
030	30	15	3	3
037	37	18.5	3	3
043	43	22	3	3
060	60	30	4	4
072	72	37	4	5
085	85	45	5	5
104	104	55	5	–
140	140	75	6	–
170	170	90	6	–
205	205	110	6	–
260	260	132	6	–
302	302	160	7	–
367	367	200	7	–
456	456	250	7	–

f2

ND Rating				
480V, 60 Hz Input				
Code	**Amps**	**Hp**	**Frame**	
			Enclosure Codes F and N	**Enclosure Code G**
014	14	10	2	2
022	22	15	2	2
027	27	20	3	3
034	34	25	3	3
040	40	30	3	3
052	52	40	4	4
065	65	50	4	5
077	77	60	5	5
096	96	75	5	–
125	125	100	6	–
156	156	125	6	–
186	186	150	6	–
248	248	200	6	–
302	302	250	7	–
361	361	300	7	–
415	415	350	7	–

g

Filtering and CM Cap Configuration		
Code	**Filtering**	**Default CM Cap Connection**
A ➢	Yes	Jumper Removed
J ➢	Yes	Jumper Installed

➢ In all cases, jumpers are included for field reconfiguration as desired.

h

Dynamic Braking		
Code	**Internal Resistor ⌘**	**Internal Transistor ✦**
A	No	Yes
B	Yes	Yes
N	No	No

⌘ Frame 2 only.

✦ Standard on Frames 2…5, Optional on Frames 6…7.

Hardware Control Options

- I/O (All I/O options include; 2 analog inputs/outputs, 6 digital inputs and 2 digital outputs)
  - 24V DC Option
    - 2 Relay Outputs version
    - 1 Relay and 2 Transistor Outputs version
  - 115V AC Option
    - 2 Relay Outputs version
- Feedback
  - Incremental Encoder Option
  - Dual Incremental Encoder Option
  - Universal Feedback Option (includes Incremental, EnDat and Hiperface for Stegmann and Heidenhain high resolution feedbacks, SSI for Stahltronis and Temposonics and BiSS for linear feedback)
- Safety
  - Safe Torque Off Option
  - Safe Speed Monitor Option
- Communication
  - 750-Series
    - DeviceNet
  - Legacy 20-Comm Modules are supported with the Communication Carrier option (see page 5)
    - DeviceNet
    - ControlNet
    - EtherNet/IP
    - Remote I/O
    - RS485 DF1
    - PROFIBUS DP
    - Interbus
    - Bluetooth
    - Modbus RTUI
    - CANopen
- Control Power
  - 24V Aux Power Supply Option
- Human Interface Modules (HIM)
  - Enhanced LCD, Full Numeric
  - Enhanced LCD, Full Numeric, NEMA/UL Type 4

IP00/IP20, NEMA/UL Type Open *(Position d = N)* ❄

380…480V AC, Three-Phase Drives

480V AC Input						380…400V AC Input						
Output Amps			Normal Duty Hp	Heavy Duty Hp		Output Amps			Normal Duty kW	Heavy Duty kW		
Cont.	1 Min.	3 Sec.			Cat. No. ✶	Cont.	1 Min.	3 Sec.			Cat. No. ✶	Frame Size
14	15.4	21	10	7.5	20G11ND014AA0NNNNN	15.4	16.9	23.1	7.5	5.5	20G11NC015AA0NNNNN	2
22	24.2	33	15	10	20G11ND022AA0NNNNN	22	24.2	33.0	11	7.5	20G11NC022AA0NNNNN	2
27	29.7	40.5	20	15	20G11ND027AA0NNNNN	30	33	45.0	15	11	20G11NC030AA0NNNNN	3
34	37.4	51	25	20	20G11ND034AA0NNNNN	37	40.7	55.5	18.5	15	20G11NC037AA0NNNNN	3
40	44	60	30	25	20G11ND040AA0NNNNN	43	47.3	64.5	22	18.5	20G11NC043AA0NNNNN	3
52	57.2	78	40	30	20G11ND052AA0NNNNN	60	66	90.0	30	22	20G11NC060AA0NNNNN	4
65	71.5	97.5	50	40	20G11ND065AA0NNNNN	72	79.2	108.0	37	30	20G11NC072AA0NNNNN	4
77	84.7	115.5	60	50	20G11ND077AA0NNNNN	85	93.5	127.5	45	37	20G11NC085AA0NNNNN	5
96	105.6	144	75	60	20G11ND096AA0NNNNN	104	114.4	156.0	55	45	20G11NC104AA0NNNNN	5
125	137.5	187.5	100	75	20G1AND125AN0NNNNN	140	154	210.0	75	55	20G1ANC140AN0NNNNN	6
156	171.6	234	125	100	20G1AND156AN0NNNNN	170	187	255.0	90	75	20G1ANC170AN0NNNNN	6
186	204.6	279	150	125	20G1AND186AN0NNNNN	205	225.5	307.5	110	90	20G1ANC205AN0NNNNN	6
248	272.8	372	200	150	20G1AND248AN0NNNNN	260	286	390.0	132	110	20G1ANC260AN0NNNNN	6
302	332.2	453	250	200	20G1AND302AN0NNNNN	302	332.2	453.0	160	132	20G1ANC302AN0NNNNN	7
361	397.1	541.5	300	250	20G1AND361AN0NNNNN	367	403.7	550.5	200	160	20G1ANC367AN0NNNNN	7
415	456.5	622.5	350	300	20G1AND415AN0NNNNN	456	501.6	684.0	250	200	20G1ANC456AN0NNNNN	7

✶ Refer to the Catalog Number Explanation or Factory Installed Options for descriptions.
❄ Frames 2…5 are IP20, Frames 6…7 are IP00.

IP54, NEMA/UL Type 12 *(Position d = G)*

380…480V AC, Three-Phase Drives

480V AC Input						380…400V AC Input						
Output Amps			Normal Duty Hp	Heavy Duty Hp		Output Amps			Normal Duty kW	Heavy Duty kW		
Cont.	1 Min.	3 Sec.			Cat. No. ✶	Cont.	1 Min.	3 Sec.			Cat. No. ✶	Frame Size
14	15.4	21	10	7.5	20G11GD014AA0NNNNN	15.4	16.9	23.1	7.5	5.5	20G11GC015AA0NNNNN	2
22	24.2	33	15	10	20G11GD022AA0NNNNN	22	24.2	33.0	11	7.5	20G11GC022AA0NNNNN	2
27	29.7	40.5	20	15	20G11GD027AA0NNNNN	30	33	45.0	15	11	20G11GC030AA0NNNNN	3
34	37.4	51	25	20	20G11GD034AA0NNNNN	37	40.7	55.5	18.5	15	20G11GC037AA0NNNNN	3
40	44	60	30	25	20G11GD040AA0NNNNN	43	47.3	64.5	22	18.5	20G11GC043AA0NNNNN	3
52	57.2	78	40	30	20G11GD052AA0NNNNN	60	66	90.0	30	22	20G11GC060AA0NNNNN	4
65	71.5	97.5	50	40	20G11GD065AA0NNNNN	72	79.2	108.0	37	30	20G11GC072AA0NNNNN	5
77	84.7	115.5	60	50	20G11GD077AA0NNNNN	85	93.5	127.5	45	37	20G11GC085AA0NNNNN	5

✶ Refer to the Catalog Number Explanation or Factory Installed Options for descriptions.

Flange Mount
Front = IP20, NEMA/UL Type Open, Back/Heatsink = IP66, NEMA/UL Type 4X/12 *(Position d = F)*

380…480V AC, Three-Phase Drives

480V AC Input						380…400V AC Input						
Output Amps			Normal Duty Hp	Heavy Duty Hp		Output Amps			Normal Duty kW	Heavy Duty kW		
Cont.	1 Min.	3 Sec.			Cat. No. ✶	Cont.	1 Min.	3 Sec.			Cat. No. ✶	Frame Size
14	15.4	21	10	7.5	20G11FD014AA0NNNNN	15.4	16.9	23.1	7.5	5.5	20G11FC015AA0NNNNN	2
22	24.2	33	15	10	20G11FD022AA0NNNNN	22	24.2	33.0	11	7.5	20G11FC022AA0NNNNN	2
27	29.7	40.5	20	15	20G11FD027AA0NNNNN	30	33	45.0	15	11	20G11FC030AA0NNNNN	3
34	37.4	51	25	20	20G11FD034AA0NNNNN	37	40.7	55.5	18.5	15	20G11FC037AA0NNNNN	3
40	44	60	30	25	20G11FD040AA0NNNNN	43	47.3	64.5	22	18.5	20G11FC043AA0NNNNN	3
52	57.2	78	40	30	20G11FD052AA0NNNNN	60	66	90.0	30	22	20G11FC060AA0NNNNN	4
65	71.5	97.5	50	40	20G11FD065AA0NNNNN	72	79.2	108.0	37	30	20G11FC072AA0NNNNN	4
77	84.7	115.5	60	50	20G11FD077AA0NNNNN	85	93.5	127.5	45	37	20G11FC085AA0NNNNN	5
96	105.6	144	75	60	20G11FD096AA0NNNNN	104	114.4	156.0	55	45	20G11FC104AA0NNNNN	5

✶ Refer to the Catalog Number Explanation or Factory Installed Options for descriptions.

DC Input Drives

DC input drives will use the same catalog number as the corresponding AC input drives. Frames 2…5 include DC input terminals. DC Bus Bars are a factory installed option for Frames 6…7 (see below). User installed kits are also available (see page 6).

Factory Installed Options

DC Terminals/Bus Bars

Description	Frame	Cat. Code
DC Terminals	2…5	1
DC Bus Bars	6	1
	7	1

Internal Brake IGBT and Brake Resistor

Drive Input Voltage	Description	Frame	Cat. Code *(Position h)*
380…480V AC	Brake IGBT Only	2…5	A
		6	A
		7	A
	Brake IGBT w/Internal DB Resistor (68 ohms)	2	B
	No Brake IGBT or Internal DB Resistor	All	N

User Installed Options

Human Interface Modules

Description	Cat. No.
No HIM (Blank Plate)	20-HIM-A0
Enhanced, LCD, Full Numeric	20-HIM-A6
Enhanced, LCD, Full Numeric, NEMA/UL Type 4	20-HIM-C6S
Wireless Interface Module	20-WIM-N1
Wireless Interface Module, Remote (Panel Mount)	20-WIM-N4S

Human Interface Module Accessories

Description	Cat. No.
Bezel Kit for LCD HIMs, NEMA/UL Type 1 ‡	20-HIM-B1
PowerFlex HIM Interface Cable, 1 m (39 in) ♣	20-HIM-H10
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/SCANport™ One to Two Port Splitter Cable	1203-S03

‡ Includes an interface cable (1202-C30) 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.
DeviceNet Option Module	20-750-DNET
Communication Carrier Card ✶	20-750-20COMM

✶ Allows the use of a Legacy Communication Adapter with the PowerFlex 755 (see [T-9289067]).

Control and I/O Options

Description	Cat. No.
2262 I/O (24V) with 2 Relay Outputs	20-750-2262C-2R
2262 I/O (115V) with 2 Relay Outputs	20-750-2262D-2R
2263 I/O (24V) with 1 Relay and 2 Transistor Outputs	20-750-2263C-1R2T

Safety Options and Auxiliary Control Power Supply

Description	Cat. No.
Safe Torque Off	20-750-S
Safe Speed Monitor	20-750-S1
24V Aux Power Supply	20-750-APS

Feedback Option Kits

Description	Cat. No.
Incremental Encoder	20-750-ENC-1
Dual Incremental Encoder	20-750-DENC-1
Universal Feedback	20-750-UFB-1

Flange Adapter Kit

NEMA/UL	Frame	Cat. No.
Type 1	2	20-750-FLNG1-F2
Type 1	3	20-750-FLNG1-F3
Type 1	4	20-750-FLNG1-F4
Type 1	5	20-750-FLNG1-F5
Type 4X	6	20-750-FLNG4-F6
Type 4X	7	20-750-FLNG4-F7

EMC Option Kits

Description	Frame	Cat. No.
EMC Plate with Core	2	20-750-EMC1-F2
EMC Plate with Core	3	20-750-EMC1-F3
EMC Plate with Cores	4	20-750-EMC1-F4
EMC Plate with Cores	5	20-750-EMC1-F5
EMC Core	2	20-750-EMC2-F2
EMC Core	3	20-750-EMC2-F3
EMC Cores	4…5	20-750-EMC2-F45

NEMA/UL Type 1 Option Kits

Description	Frame	Cat. No.
NEMA/UL Type 1 Kit	2	20-750-NEMA1-F2
NEMA/UL Type 1 Kit	3	20-750-NEMA1-F3
NEMA/UL Type 1 Kit	4	20-750-NEMA1-F4
NEMA/UL Type 1 Kit	5	20-750-NEMA1-F5
NEMA/UL Type 1 Kit	6	20-750-NEMA1-F6
NEMA/UL Type 1 Kit	7	20-750-NEMA1-F7

DC Bus Bar Option Kits

Description	Frame	Cat. No.
DC Terminals	2…5	Standard
DC Bus Bars	6	20-750-DCBB1-F6
	7	20-750-DCBB1-F7

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 Ω	Frame	Cat. No.
380…480V AC	Internal Brake Resistor, 68 ohms	2	20-750-DB1-D2

Dynamic Brake, Chopper Only Kits

Description	Rating	Cat. No.
380…480V AC	9A	1336-WB009
	35A	1336-WB035
	110A	1336-WB110

Legacy Communication Options

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

Legacy Adapter Compatibility

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		✓ v2.005 §	Not Compatible	
20-COMM-E		✓ v4.001 §	✓ ♣	✓ v4.001 §
20-COMM-H	✓‡	Not Compatible		
20-COMM-I	✓❄			
20-COMM-K				
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				

❄ 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.

Legacy Communication Option Kits

Description	Cat. No.
ControlNet™ Communication Adapter (Coax)	20-COMM-C
ControlNet™ Communication Adapter (Coax) Conformal Coat	20-COMM-C-MX3
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
HVAC Communication Adapter Conformal Coat ❖	20-COMM-H-MX3
Interbus™ Communication Adapter	20-COMM-I
CANopen® Communication Adapter	20-COMM-K
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
ControlNet Ex Right-Angle T-Tap	1786-TPR
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

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

❖ Only Modbus RTU can be used.

PC Programming Software

Description	
DriveTools™ SP Software ✦	See publication 9303-PL002… for ordering/pricing information.
DriveExplorer™ Software (Lite/Full) ✦❖	

✦ Set-up wizards are available for use with DriveTools SP and DriveExplorer (Lite/Full).

❖ DriveExplorer Lite is available for free download at: http://www.ab.com/drives/driveexplorer/free_download.html.

Terminators

Description ✦	Cat. No.
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.
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	Drive Cat. No. *20G…*	ND Hp	Cat. No.
400/480V AC	014	10	1321-RWR18-DP
	022	15	1321-RWR25-DP
	027	20	1321-RWR25-DP
	034	25	1321-RWR35-DP
	040	30	1321-RWR45-DP
	052	40	1321-RWR55-DP
	065	50	1321-RWR80-DP
	077	60	1321-RWR80-DP
	096	75	1321-RWR100-DP
	125	100	1321-RWR130-DP
	156	125	1321-RWR160-DP
	186	150	1321-RWR200-DP
	248	200	1321-RWR250-DP
	302	250	1321-RWR320-DP

Isolation Transformers

Motor Rating kW (Hp)	460V, 60 Hz, Three-Phase, 460V Primary & 460V Secondary
	IP32 (NEMA Type 3R)
	Cat. No.
7.5 (10)	1321-3TW014-BB
11 (15)	1321-3TW020-BB
15 (20)	1321-3TW027-BB
18.5 (25)	1321-3TW034-BB
22 (30)	1321-3TW040-BB
30 (40)	1321-3TW051-BB
37 (50)	1321-3TH063-BB
45 (60)	1321-3TH075-BB
55 (75)	1321-3TH093-BB
75 (100)	1321-3TH118-BB
90 (125)	1321-3TH145-BB
110 (150)	1321-3TH175-BB
132 (200)	1321-3TH220-BB
160 (250)	1321-3TH275-BB
200 (300)	1321-3TH330-BB
250 (350)	1321-3TH440-BB

Input and Output Line Reactors - 480V, 60 Hz, Three-Phase, 3% Impedance

Drive Cat. No. *20GD …*	Duty	Hp	Input Line Reactor ❄		Output Line Reactor ❄	
			IP00 (Open Style)	IP11 (NEMA Type 1)	IP00 (Open Style)	IP11 (NEMA Type 1)
			Cat. No.	Cat. No.	Cat. No.	Cat. No.
014	Normal Duty	10	1321-3R18-B	1321-3RA18-B	1321-3R18-B	1321-3RA18-B
022	Heavy Duty	10	1321-3R18-B	1321-3RA18-B	1321-3R25-B	1321-3RA25-B
022	Normal Duty	15	1321-3R25-B	1321-3RA25-B	1321-3R25-B	1321-3RA25-B
027	Heavy Duty	15	1321-3R25-B	1321-3RA25-B	1321-3R25-B	1321-3RA25-B
027	Normal Duty	20	1321-3R35-B	1321-3RA35-B	1321-3R25-B	1321-3RA25-B
034	Heavy Duty	20	1321-3R35-B	1321-3RA35-B	1321-3R35-B	1321-3RA35-B
034	Normal Duty	25	1321-3R35-B	1321-3RA35-B	1321-3R35-B	1321-3RA35-B
040	Heavy Duty	25	1321-3R35-B	1321-3RA35-B	1321-3R45-B	1321-3RA45-B
040	Normal Duty	30	1321-3R45-B	1321-3RA45-B	1321-3R45-B	1321-3RA45-B
052	Heavy Duty	30	1321-3R45-B	1321-3RA45-B	1321-3R55-B	1321-3RA55-B
052	Normal Duty	40	1321-3R55-B	1321-3RA55-B	1321-3R55-B	1321-3RA55-B
065	Heavy Duty	40	1321-3R55-B	1321-3RA55-B	1321-3R80-B	1321-3RA80-B
065	Normal Duty	50	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B
077	Heavy Duty	50	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B
077	Normal Duty	60	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B
096	Heavy Duty	60	1321-3R80-B	1321-3RA80-B	1321-3R80-B	1321-3RA80-B
096	Normal Duty	75	1321-3R100-B	1321-3RA100-B	1321-3R100-B	1321-3RA100-B
125	Heavy Duty	75	1321-3R100-B	1321-3RA100-B	1321-3R100-B	1321-3RA100-B
125	Normal Duty	100	1321-3R130-B	1321-3RA130-B	1321-3R130-B	1321-3RA130-B
156	Heavy Duty	100	1321-3R130-B	1321-3RA130-B	1321-3R130-B	1321-3RA130-B
156	Normal Duty	125	1321-3R160-B	1321-3RA160-B	1321-3R160-B	1321-3RA160-B
186	Heavy Duty	125	1321-3R160-B	1321-3RA160-B	1321-3R160-B	1321-3RA160-B
186	Normal Duty	150	1321-3R200-B	1321-3RA200-B	1321-3R200-C	1321-3RA200-C
248	Heavy Duty	150	1321-3R200-B	1321-3RA200-B	1321-3R200-C	1321-3RA200-C
248	Normal Duty	200	1321-3RB250-B	1321-3RAB250-B	1321-3RB250-B	1321-3RAB250-B
302	Heavy Duty	200	1321-3RB320-B	1321-3RAB320-B	1321-3RB320-B	1321-3RAB320-B
302	Normal Duty	250	1321-3RB320-B	1321-3RAB320-B	1321-3RB320-B	1321-3RAB320-B
361	Heavy Duty	200	1321-3RB320-B	1321-3RAB320-B	1321-3RB320-B	1321-3RAB320-B
361	Normal Duty	300	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B
415	Heavy Duty	300	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-B
415	Normal Duty	350	1321-3RB400-B	1321-3RAB400-B	1321-3RB400-B	1321-3RAB400-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 - 480V, 60 Hz, Three-Phase, 5% Impedance

Drive Cat. No. *20GD …*	Duty	Hp	Input Line Reactor ❄		Output Line Reactor ❄	
			IP00 (Open Style)	IP11 (NEMA Type 1)	IP00 (Open Style)	IP11 (NEMA Type 1)
			Cat. No.	Cat. No.	Cat. No.	Cat. No.
014	Normal Duty	10	1321-3R18-C	1321-3RA18-C	1321-3R18-C	1321-3RA18-C
022	Heavy Duty	10	1321-3R18-C	1321-3RA18-C	1321-3R25-C	1321-3RA25-C
022	Normal Duty	15	1321-3R25-C	1321-3RA25-C	1321-3R25-C	1321-3RA25-C
027	Heavy Duty	15	1321-3R25-C	1321-3RA25-C	1321-3R25-C	1321-3RA25-C
027	Normal Duty	20	1321-3R35-C‡	1321-3RA35-C‡	1321-3R25-C	1321-3RA25-C
034	Heavy Duty	20	1321-3R35-C‡	1321-3RA35-C‡	1321-3R35-C	1321-3RA35-C
034	Normal Duty	25	1321-3R35-C	1321-3RA35-C	1321-3R35-C	1321-3RA35-C
040	Heavy Duty	25	1321-3R35-C	1321-3RA35-C	1321-3R45-C	1321-3RA45-C
040	Normal Duty	30	1321-3R45-C	1321-3RA45-C	1321-3R45-C	1321-3RA45-C
052	Heavy Duty	30	1321-3R45-C	1321-3RA45-C	1321-3R55-C	1321-3RA55-C
052	Normal Duty	40	1321-3R55-C	1321-3RA55-C	1321-3R55-C	1321-3RA55-C
065	Heavy Duty	40	1321-3R55-C	1321-3RA55-C	1321-3R80-C	1321-3RA80-C
065	Normal Duty	50	1321-3R80-C	1321-3RA80-C	1321-3R80-C	1321-3RA80-C
077	Heavy Duty	50	1321-3R80-C	1321-3RA80-C	1321-3R80-C	1321-3RA80-C
077	Normal Duty	60	1321-3R80-C	1321-3RA80-C	1321-3R80-C	1321-3RA80-C
096	Heavy Duty	60	1321-3R80-C	1321-3RA80-C	1321-3R80-C	1321-3RA80-C
096	Normal Duty	75	1321-3R100-C	1321-3RA100-C	1321-3R100-C	1321-3RA100-C
125	Heavy Duty	75	1321-3R100-C	1321-3RA100-C	1321-3R100-C	1321-3RA100-C
125	Normal Duty	100	1321-3R130-C	1321-3RA130-C	1321-3R130-C	1321-3RA130-C
156	Heavy Duty	100	1321-3R130-C	1321-3RA130-C	1321-3R130-C	1321-3RA130-C
156	Normal Duty	125	1321-3R160-C	1321-3RA160-C	1321-3R160-C	1321-3RA160-C
186	Heavy Duty	125	1321-3R160-C	1321-3RA160-C	1321-3R160-C	1321-3RA160-C
186	Normal Duty	150	1321-3R200-C	1321-3RA200-C	1321-3R200-C‡	1321-3RA200-C‡
248	Heavy Duty	150	1321-3R200-C	1321-3RA200-C	1321-3R200-C‡	1321-3RA200-C‡
248	Normal Duty	200	1321-3RB250-C	1321-3RAB250-C	1321-3RB250-C	1321-3RAB250-C
302	Heavy Duty	200	1321-3RB320-C	1321-3RAB320-C	1321-3RB320-C	1321-3RAB320-C
302	Normal Duty	250	1321-3RB320-C	1321-3RAB320-C	1321-3RB320-C	1321-3RAB320-C
361	Heavy Duty	250	1321-3RB320-C	1321-3RAB320-C	1321-3RB320-C	1321-3RAB320-C
361	Normal Duty	300	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C
415	Heavy Duty	300	1321-3RB400-C	1321-3RAB400-C	1321-3RB400-C	1321-3RAB400-C
415	Normal Duty	350	1321-3R500-C	1321-3RA500-C	1321-3RB400-C	1321-3RAB400-C

❄ Input line reactors were sized based on the NEC fundamental motor amps. Output line reactors were sized based on the VFD rated output currents.
‡ 4% impedance.

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