PowerFlex® 400 Submittal

Submittal Date:

Project Name:
Project Location:
Consulting Engineer:

Contractor:
Contractor PO #:

Distributor Name:
Distributor Contact:
Distributor Reference #:

Note: This is general submittal information. Reference product installation and/or user manual for detailed instructions.

PowerFlex 400

Rockwell Automation

Variable Frequency Drive Schedule

PowerFlex 400 Standard and Packaged Product

3.0 – 50HP @ 200 to 240VAC
3.0 – 350HP @ 380 to 480VAC

Item	Qty	Desig	Catalog #	HP	Volts	Amps		Drawings				
						Input	Output	Outline	Layout	Schematic	Inter-Connect	Parameter
1	*1*	*DR1*	*23C-D038A103NNBANN-LR*	*25*	*460*	*28.5*	*34*	*95D00700*	*95D00763*	*98D00705*	*97D00704*	*95D00775*

Notes:

PowerFlex 400

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Catalog Number Explanation

PowerFlex 400 Standard Product

3.0 – 50HP @ 200 to 240VAC
3.0 – 350HP @ 380 to 480VAC

Catalog Number Explanation – Standard Product

Position Number

1-3	4	5	6-8	9	10	11	12
22C	–	D	038	A	1	0	3
a		*b*	*c*	*d*	*e*	*f*	*g*

a

Drive	
Code	Type
22C	PowerFlex 400

b

Voltage Rating		
Code	Voltage	Ph.
B	240V ac	3
D	480V ac	3

c1

Rating			
200...240V Input			
Code	Amps	kW (Hp)	Frame
012	12	2.2 (3.0)	C
017	17.5	3.7 (5.0)	C
024	24	5.5 (7.5)	C
033	33	7.5 (10)	C
049	49	11 (15)	D
065	65	15 (20)	D
075	75	18.5 (25)	D
090	90	22 (30)	D
120	120	30 (40)	E
145	145	37 (50)	E

c2

Rating			
380...480V Input			
Code	Amps	kW (Hp)	Frame
6P0	6.0	2.2 (3.0)	C
010	10.5	4.0 (5.0)	C
012	12	5.5 (7.5)	C
017	17	7.5 (10)	C
022	22	11 (15)	C
030	30	15 (20)	C
038	38	18.5 (25)	D
045	45.5	22 (30)	D
060	60	30 (40)	D
072	72	37 (50)	E
088	88	45 (60)	E
105	105	55 (75)	E
142	142	75 (100)	E
170	170	90 (125)	F
208	208	110 (150)	F
260	260	132 (200)	G
310	310	160 (250)	G
370	370	200 (300)	H
460	460	250 (350)	H

d

Enclosure	
Code	Enclosure
N	Panel Mount - IP20, NEMA/UL Type Open *
A	Panel Mount - IP30, NEMA/UL Type 1 ❄
F	Flange Mount - IP20, NEMA/UL Type Open ‡

* Frame C drives only available with IP20, NEMA/UL Type Open enclosure. Field installed conversion kit available to achieve IP30, NEMA/UL Type 1 rating.

❄ Frame D, E and F drives only available with IP30, NEMA/UL Type 1 enclosure.

‡ Frame C drives only.

e

HIM	
Code	Interface Module
1	Fixed Keypad

f

Emission Class	
Code	Rating
0	Not Filtered

g

Version	
Code	Version
3	RS485

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Catalog Number Explanation

PowerFlex 400 Packaged Product

3.0 – 50HP @ 208VAC
3.0 – 350HP @ 460VAC

Catalog Number Explanation – Packaged Product

Position Number

1-3	4	5	6-8	9	10	11	12	13	14	15	16	17	18	19+
23C	–	D	038	A	1	0	3	N	N	B	A	N	N	-LR
a		b	c	d	e	f	g	h	i	j	k	l	m	n

a

Drive	
Code	Type
23C	PowerFlex 400

b

Voltage Rating		
Code	Voltage	Ph.
X	208V ac	3
D	480V ac	3

c1

Rating			
208V, 60Hz Input			
Code	Amps *	kW (Hp)	Frame
012	12	2.2 (3.0)	C
017	16.8	3.7 (5.0)	C
024	24	5.5 (7.5)	C
033	30.8	7.5 (10)	C
049	46.2	11 (15)	D
065	64	15 (20)	D
075	75	18.5 (25)	D
090	88	22 (30)	D
120	114	30 (40)	E
145	143	37 (50)	E

* Configured drive amp ratings may differ from stand-alone drive ratings. Configured drives sized per NEC motor amps.

c2

Rating			
460V, 60Hz Input			
Code	Amps *	kW (Hp)	Frame
6P0	4.6	2.2 (3.0)	C
010	7.6	4.0 (5.0)	C
012	11	5.5 (7.5)	C
017	14	7.5 (10)	C
022	21	11 (15)	C
030	27	15 (20)	C
038	34	18.5 (25)	D
045	40	22 (30)	D
060	52	30 (40)	D
072	65	37 (50)	E
088	77	45 (60)	E
105	96	55 (75)	E
142	124	75 (100)	E
170	156	90 (125)	F
208	180	110 (150)	F
260	240	132 (200)	G
310	302	160 (250)	G
370	361	200 (300)	H
460	414	250 (350)	H

* Configured amp ratings may differ from stand-alone drive ratings. Configured drives sized per NEC motor amps.

d

Enclosure	
Code	Enclosure
A	NEMA/UL Type 1
H	NEMA/UL Type 12 with Fan and Filter
X	NEMA/UL Type 3R ‡
E	NEMA/UL Type 4 ‡

‡ Designed for maximum ambient temperature of 40° C with no direct sunlight exposure.

e

HIM	
Code	Interface Module
1	Fixed Keypad

f

Emission Class	
Code	Rating
0	Not Filtered

g

Version	
Code	Version
3	RS485
B	BACnet Adapter
C	ControlNet Adapter
D	DeviceNet Adapter
E	EtherNet/IP Adapter
L	LonWorks Adapter
P	PROFIBUS DP Adapter

h

Code	Rating
N	Reserved

i

Code	Rating
N	Reserved

j

Package	
Code	Description
A	Main Input Disconnect
B	3 Contactor Full Feature Bypass with Disconnect
C	3 Contactor Basic Bypass with Disconnect –
M	Main Input Circuit Breaker ❄
N	3 Contactor Full Feature Bypass with Circuit Breaker ❄

– Available only with NEMA/UL Type 1 enclosure (Position d = A).

❄ Available with all ratings in NEMA/UL Type 12, 3R, or 4 enclosures (Position d = H, X, or E) and 160-250 kW (250-350 Hp) ratings in NEMA/UL Type 1 enclosures (Position d = A).

k

Control	
Code	Description
A	Single Motor

l

Code	Rating
N	Reserved

m

Code	Rating
N	Reserved

n

Options	
Code	Description
-LR	3% Input Line Reactor §
-E5	Space Heater - Local Power ♣

§ 3% Input Line Reactor not available for all package styles. Consult product selection tables for additional detail.

♣ Available with NEMA/UL Type 3R and 4 enclosures only.

PowerFlex 400

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Drive Ratings

PowerFlex 400 Standard Product

3.0 – 50HP @ 200 to 240VAC
3.0 – 350HP @ 380 to 480VAC

Drive Ratings										
Catalog Number	**Output Rating**		**Input Rating**			**Branch Circuit Protection**				**Estimated Power Dissipation**
	kW (HP)	*Amps*	*Voltage Range*	*kVA*	*Amps*	*Fuses*	*140M Motor Protectors(1)(2)*	*Contactors*	*Min. Enclosure Volume(3) (in.³)*	*IP 20 Open Watts*
200 – 240V AC – 3-Phase Input, 0 – 230V 3-Phase Output										
22C-B012N103	2.2 (3)	12.0	180-265	6.5	15.5	20	140M-F8E-C16	100-C23	5098	146
22C-B017N103	3.7 (5)	17.5	180-265	8.8	21	30	140M-F8E-C25	100-C37	5098	207
22C-B024N103	5.5 (7.5)	24.0	180-265	10.9	26.1	35	140M-F8E-C32	100-C37	5098	266
22C-B033N103	7.5 (10)	33.0	180-265	14.4	34.6	45	140M-F8E-C45	100-C45	5098	359
22C-B049A103	11 (15)	49.0	180-265	21.3	51	70	- -	100-C60	- -	488
22C-B065A103	15 (20)	65.0	180-265	28.3	68	90	- -	100-C85	- -	650
22C-B075A103	18.5 (25)	75.0	180-265	32.5	78	100	- -	100-D95	- -	734
22C-B090A103	22 (30)	90.0	180-265	38.3	92	125	- -	100-D110	- -	778
22C-B120A103	30 (40)	120.0	180-265	51.6	124	175	- -	100-D180	- -	1055
22C-B145A103	37 (50)	145.0	180-265	62.4	150	200	- -	100-D180	- -	1200
380 – 480V AC – 3-Phase Input, 0 – 460V 3-Phase Output										
22C-D6P0N103	2.2 (3)	6.0	340-528	6.3	7.5	10	140M-D8E-C10	100-C09	5098	105
22C-D010N103	4.0 (5)	10.5	340-528	10.9	13	20	140M-D8E-C16	100-C16	5098	171
22C-D012N103	5.5 (7.5)	12.0	340-528	11.9	14.2	20	140M-D8E-C16	100-C23	5098	200
22C-D017N103	7.5 (10)	17.0	340-528	15.3	18.4	25	140M-D8E-C20	100-C23	5098	267
22C-D022N103	11 (15)	22.0	340-528	19.2	23	30	140M-F8E-C32	100-C30	5098	329
22C-D030N103	15 (20)	30.0	340-528	25.8	31	40	140M-F8E-C32	100-C37	5098	435
22C-D038A103	18.5 (25)	38.0	340-528	33.3	40	50	140M-F8E-C45	100-C60	9086	606
22C-D045A103	22 (30)	45.5	340-528	39.1	47	60	- -	100-C60	- -	738
22C-D060A103	30 (40)	60.0	340-528	53.3	64	80	- -	100-C85	- -	764
22C-D072A103	37 (50)	72.0	340-528	60.7	73	100	- -	100-C85	- -	1019
22C-D088A103	45 (60)	88.0	340-528	74.9	90	125	- -	100-D110	- -	1245
22C-D105A103	55 (75)	105.0	340-528	89	107	150	- -	100-D140	- -	1487
22C-D142A103	75 (100)	142.0	340-528	124.8	150	200	- -	100-D180	- -	2043
22C-D170A103	90 (125)	170.0	340-528	142	170	250	- -	100-D250	- -	2617
22C-D208A103	110 (150)	208.0	340-528	167	200	250	- -	100-D250	- -	3601
22C-D260A103	132 (200)	260.0	340-528	196	235	300	- -	100-D300	- -	3711
22C-D310A103	160 (250)	310.0	340-528	242	290	400	- -	100-D420	- -	4208
22C-D370A103	200 (300)	370.0	340-528	304	365	500	- -	100-D420	- -	4916
22C-D460A103	250 (350)	460.0	340-528	387	465	600	- -	100-D630	- -	6167

(1) The AIC ratings of the Bulletin 140M Motor Protector Circuit Breakers may vary. See Bulletin 140M Motor Protection Circuit Breakers Application Ratings.

(2) Manual Self-Protected (Type E) Combination Motor Controller, UL listed for 208 Wye or Delta, 240 Wye or Delta, 480Y/277 or 600Y/347. Not UL listed for use on 480V or 600V Delta/Delta, corner ground, or high-resistance ground systems.

(3) When using a Manual Self-Protected (Type E) Combination Motor Controller, the drive must be installed in a ventilated or non-ventilated enclosure with the minimum volume specified in this column. Application specific thermal considerations may require a larger enclosure.

PowerFlex 400

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Drive Ratings

PowerFlex 400 Packaged Product – Main Input Disconnect / Circuit Breaker

3.0 – 50HP @ 208VAC
3.0 – 350HP @ 460VAC

Drive Ratings								
Catalog Number	**Output Rating**		**Input Rating**			**Branch Circuit Protection**		**Estimated Power Dissipation**
	kW (HP)	*Amps*	*Voltage Range*	*kVA*	*Amps*	*Fuses (j = A)*	*Circuit Breaker (j = M)*	*Watts*
208V AC – 3-Phase Input, 0 – 208V 3-Phase Output								
23C-X012*d*103NN*j*ANN	2.2 (3)	12	187-229	5.6	15.5	20	15	146
23C-X017*d*103NN*j*ANN	3.7 (5)	16.8	187-229	7.3	20.2	20	30	207
23C-X024*d*103NN*j*ANN	5.5 (7.5)	24	187-229	9.5	26.1	35	40	266
23C-X033*d*103NN*j*ANN	7.5 (10)	30.8	187-229	11.7	32.3	40	50	359
23C-X049*d*103NN*j*ANN	11 (15)	46.2	187-229	17.3	48	80	75	488
23C-X065*d*103NN*j*ANN	15 (20)	64	187-229	22.7	62.8	100	100	650
23C-X075*d*103NN*j*ANN	18.5 (25)	75	187-229	28.1	78	125	125	734
23C-X090*d*103NN*j*ANN	22 (30)	88	187-229	32.5	90	150	150	778
23C-X120*d*103NN*j*ANN	30 (40)	114	187-229	42.5	118	200	200	1055
23C-X145*d*103NN*j*ANN	37 (50)	143	187-229	53.3	148	250	225	1200
480V AC – 3-Phase Input, 0 – 460V 3-Phase Output								
23C-D6P0*d*103NN*j*ANN	2.2 (3)	4.8	414-500	4.8	6	10	15	105
23C-D010*d*103NN*j*ANN	4 (5)	7.6	414-500	7.2	9.4	15	15	171
23C-D012*d*103NN*j*ANN	5.5 (7.5)	11	414-500	10.4	13	20	20	200
23C-D017*d*103NN*j*ANN	7.5 (10)	14	414-500	12.1	15.2	20	25	267
23C-D022*d*103NN*j*ANN	11 (15)	21	414-500	17.5	22	35	35	329
23C-D030*d*103NN*j*ANN	15 (20)	27	414-500	22.3	28	35	50	435
23C-D038*d*103NN*j*ANN	18.5 (25)	34	414-500	28.4	35.7	60	60	606
23C-D045*d*103NN*j*ANN	22 (30)	40	414-500	32.9	41.3	70	70	738
23C-D060*d*103NN*j*ANN	30 (40)	52	414-500	44.2	55.5	80	80	764
23C-D072*d*103NN*j*ANN	37 (50)	65	414-500	52.6	66	100	100	1019
23C-D088*d*103NN*j*ANN	45 (60)	77	414-500	62.8	78.8	150	125	1245
23C-D105*d*103NN*j*ANN	55 (75)	96	414-500	77.9	97.8	175	150	1487
23C-D142*d*103NN*j*ANN	75 (100)	124	414-500	104.4	131	200	200	2043
23C-D170*d*103NN*j*ANN	90 (125)	156	414-500	124.3	156	250	250	2617
23C-D208*d*103NN*j*ANN	110 (150)	180	414-500	137.9	173.1	350	250	3601
23C-D260*d*103NN*j*ANN	132 (200)	240	414-500	172.8	216.9	400	300	3711
23C-D310*d*103NNMANN	160 (250)	302	414-500	225.1	282.5	- -	500	4208
23C-D370*d*103NNMANN	200 (300)	361	414-500	283.7	356.1	- -	600	4916
23C-D460*d*103NNMANN	250 (350)	414	414-500	333.4	418.5	- -	700	6167

"*d*" = Enclosure. Valid selections are: "A" = NEMA/UL Type 1, "H" = NEMA/UL Type 12 with Fan and Filter, "X" = NEMA/UL Type 3R, "E" = NEMA/UL Type 4.
"*J*" = Package. Valid selections are: "A" = Main Input Disconnect, "M" = Main Input Circuit Breaker.

PowerFlex 400

Rockwell Automation

Drive Ratings

PowerFlex 400 Packaged Product – 3 Contactor Full Feature Bypass

3.0 – 50HP @ 208VAC
3.0 – 350HP @ 460VAC

Drive Ratings								
Catalog Number	**Output Rating**		**Input Rating**			**Branch Circuit Protection**		**Estimated Power Dissipation**
	kW (HP)	*Amps*	*Voltage Range*	*kVA*	*Amps*	*Fuses (j = A)*	*Circuit Breaker (j = M)*	*Watts*
208V AC – 3-Phase Input, 0 – 208V 3-Phase Output								
23C-X012*d*103NNBANN	2.2 (3)	12	187-229	5.6	15.5	20	15	156
23C-X017*d*103NNBANN	3.7 (5)	16.8	187-229	7.3	20.2	20	30	217
23C-X024*d*103NNBANN	5.5 (7.5)	24	187-229	9.5	26.1	35	40	276
23C-X033*d*103NNBANN	7.5 (10)	30.8	187-229	11.7	32.3	40	50	369
23C-X049*d*103NNBANN	11 (15)	46.2	187-229	17.3	48	80	75	498
23C-X065*d*103NNBANN	15 (20)	64	187-229	22.7	62.8	100	100	660
23C-X075*d*103NNBANN	18.5 (25)	75	187-229	28.1	78	125	125	744
23C-X090*d*103NNBANN	22 (30)	88	187-229	32.5	90	150	150	788
23C-X120*d*103NNBANN	30 (40)	114	187-229	42.5	118	200	200	1065
23C-X145*d*103NNBANN	37 (50)	143	187-229	53.3	148	250	225	1210
480V AC – 3-Phase Input, 0 – 460V 3-Phase Output								
23C-D6P0*d*103NN*j*ANN	2.2 (3)	4.8	414-500	4.8	6	10	15	115
23C-D010*d*103NN*j*ANN	3.7 (5)	7.6	414-500	7.2	9.4	15	15	181
23C-D012*d*103NN*j*ANN	5.5 (7.5)	11	414-500	10.4	13	20	20	210
23C-D017*d*103NN*j*ANN	7.5 (10)	14	414-500	12.1	15.2	20	25	277
23C-D022*d*103NN*j*ANN	11 (15)	21	414-500	17.5	22	35	35	339
23C-D030*d*103NN*j*ANN	15 (20)	27	414-500	22.3	28	35	50	445
23C-D038*d*103NN*j*ANN	18.5 (25)	34	414-500	28.4	35.7	60	60	616
23C-D045*d*103NN*j*ANN	22 (30)	40	414-500	32.9	41.3	70	70	748
23C-D060*d*103NN*j*ANN	30 (40)	52	414-500	44.2	55.5	80	80	774
23C-D072*d*103NN*j*ANN	37 (50)	65	414-500	52.6	66	100	100	1029
23C-D088*d*103NN*j*ANN	45 (60)	77	414-500	62.8	78.8	150	125	1255
23C-D105*d*103NN*j*ANN	55 (75)	96	414-500	77.9	97.8	175	150	1497
23C-D142*d*103NN*j*ANN	75 (100)	124	414-500	104.4	131	200	200	2053
23C-D170*d*103NN*j*ANN	90 (125)	156	414-500	124.3	156	250	250	2627
23C-D208*d*103NN*j*ANN	110 (150)	180	414-500	137.9	173.1	350	250	3611
23C-D260*d*103NN*j*ANN	132 (200)	240	414-500	172.8	216.9	400	300	3721
23C-D310*d*103NNNANN	160 (250)	302	414-500	225.1	282.5	- -	500	4218
23C-D370*d*103NNNANN	200 (300)	361	414-500	283.7	356.1	- -	600	4926
23C-D460*d*103NNNANN	250 (350)	414	414-500	333.4	418.5	- -	700	6176

"*d*" = Enclosure. Valid selections are: "A" = NEMA/UL Type 1, "H" = NEMA/UL Type 12 with Fan and Filter, "X" = NEMA/UL Type 3R, "E" = NEMA/UL Type 4.
"*J*" = Package. Valid selections are: "B" = 3 Contactor Full Feature Bypass with Disconnect, "N" = 3 Contactor Full Feature Bypass with Circuit Breaker.

PowerFlex 400

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Drive Ratings

PowerFlex 400 Packaged Product – 3 Contactor Basic Bypass

3.0 – 100HP @ 460VAC

Drive Ratings								
Catalog Number	**Output Rating**		**Input Rating**			**Branch Circuit Protection**		**Estimated Power Dissipation**
	kW (HP)	*Amps*	*Voltage Range*	*kVA*	*Amps*	*Fuses*	*140M Motor Protector*	*Watts*
480V AC – 3-Phase Input, 0 – 460V 3-Phase Output								
23C-D6P0A103NNCANN	2.2 (3)	4.8	414-500	4.8	6	-	140M-C2E-B63	115
23C-D010A103NNCANN	4 (5)	7.6	414-500	7.2	9.4	-	140M-D8E-C10	181
23C-D012A103NNCANN	5.5 (7.5)	11	414-500	10.4	13	-	140M-D8E-C16	210
23C-D017A103NNCANN	7.5 (10)	14	414-500	12.1	15.2	-	140M-D8E-C16	277
23C-D022A103NNCANN	11 (15)	21	414-500	17.5	22	-	140M-D8E-C25	339
23C-D030A103NNCANN	15 (20)	27	414-500	22.3	28	-	140M-D8E-C32	445
23C-D038A103NNCANN	18.5 (25)	34	414-500	28.4	35.7	-	140M-D8E-C45	616
23C-D045A103NNCANN	22 (30)	40	414-500	32.9	41.3	-	140-CMN-4000	748
23C-D060A103NNCANN	30 (40)	52	414-500	44.2	55.5	-	140-CMN-6300	774
23C-D072A103NNCANN	37 (50)	65	414-500	52.6	66	-	140-CMN-9000	1029
23C-D088A103NNCANN	45 (60)	77	414-500	62.8	78.8	150	-	1255
23C-D105A103NNCANN	55 (75)	96	414-500	77.9	97.8	175	-	1497
23C-D142A103NNCANN	75 (100)	124	414-500	104.4	131	200	-	2053

PowerFlex 400

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Drive Specification

PowerFlex 400 Standard Product

3.0 – 50HP @ 200 to 240VAC
3.0 – 350HP @ 380 to 480VAC

Category	Specification	
Agency Certification		Listed to UL508C and CAN/CSA-22.2 Listed to UL508C for plenums
		Certified to AS/NZS, 1997 Group 1, Class A
		Marked for all applicable European Directives EMC Directive (89/336) EN 61800-3, EN 50081-1, EN 50082-2 Low Voltage Directive (73/23/EEC) EN 50178, EN 60204
Protection	Bus Overvoltage Trip:	200-240V AC Input: 405V DC bus voltage (equivalent to 290V AC incoming line) 380-480V AC Input: 810V DC bus voltage (equivalent to 575V AC incoming line)
	Bus Undervoltage Trip:	200-240V AC Input: 210V DC bus voltage (equivalent to 150V AC incoming line) 380-480V AC Input: 390V DC bus voltage (equivalent to 275V AC incoming line)
	Power Ride-Thru:	100 milliseconds
	Logic Control Ride-Thru:	0.5 seconds minimum, 2 seconds typical
	Electronic Motor Overload Protection:	Provides class 10 motor overload protection according to NEC article 430 and motor over-temperature protection according to NEC article 430.126 (A) (2). UL 508C File 29572.
	Overcurrent:	200% hardware limit, 300% instantaneous fault
	Ground Fault Trip:	Phase-to-ground on drive output
	Short Circuit Trip:	Phase-to-phase on drive output
Environment	Altitude:	1000 m (3300 ft) max. without derating
	Maximum Surrounding Air Temperature IP20, Open Type: IP30, Nema Type 1, UL Type 1:	 -10 to 50 degrees C (14 to 122 degrees F) -10 to 45 degrees C (14 to 113 degrees F)
	Cooling Method:	Fan: all drive ratings
	Storage Temperature:	-40 to 85 degrees C (-40 to 185 degrees F)
	Atmosphere:	Important: Drive **must not** be installed in an area where the ambient atmosphere contains volatile or corrosive gas, vapors or dust. If the drive is not going to be installed for a period of time, it must be stored in an area where it will not be exposed to corrosive atmosphere.
	Relative Humidity:	0 to 95% non-condensing
	Shock (operating):	15G peak for 11ms duration (±1.0ms)
	Vibration (operating):	1G peak, 5 to 2000 Hz
	Seismic Rating:	Meets the seismic requirements of the 2003 International Building Code as specified by AC156.
Electrical	Voltage Tolerance:	200-240V ±10% 380-480V ±10%
	Frequency Tolerance:	48-63 Hz
	Input Phases	Three-phase input provides full rating.
	Displacement Power Factor	0.98 across entire speed range
	Efficiency:	97.5% at rated amps, nominal line voltage
	Transistor Type:	Isolated Gate Bipolar (IGBT)
	Internal DC Bus Choke: 200-240V AC Input: 380-480V AC Input:	 11-37kW (15-50 HP) Panel Mount 11-110kW (15-150 HP) Panel Mount
	Internal AC Input Line Reactor: 380-480V AC Input:	 132-250kW (200-350 HP) Panel Mount

Drive Specification PowerFlex 400 Standard Product - Continued

Control	Method:		Sinusoidal PWM, Volts/Hertz
	Carrier Frequency: Frames C and D Frame E, F, G, H		 2-10 kHz, Drive rating based on 4kHz 2-8 kHz, Drive rating based on 4kHz
	Frequency Accuracy: Digital Input: Analog Input: Analog Output:		 Within ±0.05% of set output frequency Within 0.5% of maximum output frequency (10-bit resolution) ±2% of full scale (10-bit resolution)
	Speed Regulation – Open Loop with Slip Compensation		±1% of base speed across a 60:1 speed range
	Output Frequency:		0 – 320 Hz (programmable)
	Stop Modes:		Multiple programmable stop modes including: Ramp, Coast, DC-Brake, Ramp-to-Hold and S-Curve.
	Accel/Decel:		Two independently programmable accel and decal times. Each time may be programmed from 0 – 600 seconds in 0.1 second increments.
	Intermittent Overload:		110% Overload capability for up to 1 minute
	Electronic Motor Overload Protection:		Provides class 10 motor overload protection according to NEC article 430 and motor over-temperature protection according to NEC article 430.126 (A) (2). UL 508C File 29572.
Control Inputs	Digital:	Quantity:	(3) Semi-programmable (4) Programmable
		Type: Source Mode (SRC): Sink Mode (SNK):	 18-24V = ON, 0-6V = OFF 0-6V = ON, 18-24V = OFF
	Analog:	Quantity:	(1) Isolated, -10 to 10V or 4-20mA (1) Non-Isolated, 0 to 10V or 4-20mA
		Specification: Resolution: 0 to 10V DC Analog: 4-20mA Analog: External Pot:	 10-bit 100k ohm input impedance 250 ohm input impedance 1-10k ohms, 2 Watt minimum
Control Outputs	Relay:	Quantity:	(2) Programmable Form C
		Specification: Resistive Rating: Inductive Rating:	 3.0A at 30V DC, 3.0A at 125V AC, 3.0A at 240V AC 0.5A at 30V DC, 0.5A at 125V AC, 0.5A at 240V AC
	Opto:	Quantity:	(1) Programmable
		Specification:	30V DC, 50mA Non-inductive
	Analog:	Quantity:	(2) Non-Isolated, 0-10V or 4-20mA
		Specification: Resolution: 0 to 10V DC Analog: 4-20mA Analog:	 10-bit 1k ohm minimum 525 ohm maximum
Keypad	Display:	Integral 2 line by 16 character LCD with (5) LED Indicators	
	Languages:	English, Francais, Espanol, Italiano, Deutsch, Portugues, Nederlands	
Communication	Type:	Serial (RS485)	
	Supported Protocols (Standard):	Drive Serial Interface (DSI) Modbus RTU Metasys N2 P1 FLN	
	Supported Protocols (Optional):	BACNet LonWorks DeviceNet EtherNet/IP ControlNet PROFIBUS DP	
	Software (Optional):	Windows Based Pocket PC/Windows Mobile 2003	

PowerFlex 400

Rockwell Automation

Drive Specification

PowerFlex 400 Packaged Product

3.0 – 50HP @ 208VAC
3.0 – 350HP @ 460VAC

Category	Specification	
Agency Certification	UL	UL508C
	cUL	CSA 22.2
Protection	Bus Overvoltage Trip:	200-240V AC Input: 405V DC bus voltage (equivalent to 290V AC incoming line) 380-480V AC Input: 810V DC bus voltage (equivalent to 575V AC incoming line)
	Bus Undervoltage Trip:	200-240V AC Input: 210V DC bus voltage (equivalent to 150V AC incoming line) 380-480V AC Input: 390V DC bus voltage (equivalent to 275V AC incoming line)
	Power Ride-Thru:	100 milliseconds
	Logic Control Ride-Thru:	0.5 seconds minimum, 2 seconds typical
	Electronic Motor Overload Protection:	I^2t Protection – 110% for 60 seconds (provides Class 10 protection)
	Overcurrent:	200% hardware limit, 300% instantaneous fault
	Ground Fault Trip:	Phase-to-ground on drive output
	Short Circuit Trip:	Phase-to-phase on drive output
Environment	Altitude:	1000 m (3300 ft) max. without derating
	Maximum Surrounding Air Temperature	0 to 40 degrees C (32 to 104 degrees F)
	Cooling Method:	Fan: all drive ratings
	Storage Temperature:	-40 to 85 degrees C (-40 to 185 degrees F)
	Atmosphere:	Important: Drive **must not** be installed in an area where the ambient atmosphere contains volatile or corrosive gas, vapors or dust. If the drive is not going to be installed for a period of time, it must be stored in an area where it will not be exposed to corrosive atmosphere.
	Relative Humidity:	0 to 95% non-condensing
	Seismic Rating:	Meets the seismic requirements of the 2003 International Building Code as specified by AC156.
Electrical	Voltage Tolerance:	208V ±10% 460V ±10%
	Frequency Tolerance:	48-63 Hz
	Input Phases:	Three-phase input provides full rating.
	Displacement Power Factor:	0.98 across entire speed range
	Efficiency:	97.5% at rated amps, nominal line voltage
	Transistor Type:	Isolated Gate Bipolar (IGBT)
	Internal DC Bus Choke: 200-240V AC Input: 380-480V AC Input:	 11-37kW (15-50 HP) Panel Mount 11-110kW (15-150 HP) Panel Mount
	Internal AC Input Line Reactor: 380-480V AC Input:	 132-250kW (200-350 HP) Panel Mount

PowerFlex 400

Rockwell Automation

Drive Specification PowerFlex 400 Packaged Product - Continued

Control	Method:		Sinusoidal PWM, Volts/Hertz
	Carrier Frequency: Frames C and D Frame E, F, G, H		 2-10 kHz, Drive rating based on 4kHz 2-8 kHz, Drive rating based on 4kHz
	Frequency Accuracy: Digital Input: Analog Input: Analog Output:		 Within ±0.05% of set output frequency Within 0.5% of maximum output frequency (10-bit resolution) ±2% of full scale (10-bit resolution)
	Speed Regulation – Open Loop with Slip Compensation		±1% of base speed across a 60:1 speed range
	Output Frequency:		0 – 320 Hz (programmable)
	Stop Modes:		Multiple programmable stop modes including: Ramp, Coast, DC-Brake, Ramp-to-Hold and S-Curve.
	Accel/Decel:		Two independently programmable accel and decal times. Each time may be programmed from 0 – 600 seconds in 0.1 second increments.
	Intermittent Overload:		110% Overload capability for up to 1 minute
	Electronic Motor Overload Protection:		Class 10 protection with speed sensitive response (drive). Class 20 protection -electronic (bypass).
Control Inputs	Digital:	Quantity:	(3) Semi-programmable (4) Programmable
		Type: Source Mode (SRC): Sink Mode (SNK):	 18-24V = ON, 0-6V = OFF 0-6V = ON, 18-24V = OFF
	Analog:	Quantity:	(1) Isolated, -10 to 10V or 4-20mA (1) Non-Isolated, 0 to 10V or 4-20mA
		Specification: Resolution: 0 to 10V DC Analog: 4-20mA Analog: External Pot:	 10-bit 100k ohm input impedance 250 ohm input impedance 1-10k ohms, 2 Watt minimum
Control Outputs	Relay:	Quantity:	(2) Programmable Form C
		Specification: Resistive Rating: Inductive Rating:	 3.0A at 30V DC, 3.0A at 125V AC, 3.0A at 240V AC 0.5A at 30V DC, 0.5A at 125V AC, 0.5A at 240V AC
	Opto:	Quantity:	(1) Programmable
		Specification:	30V DC, 50mA Non-inductive
	Analog:	Quantity:	(2) Non-Isolated, 0-10V or 4-20mA
		Specification: Resolution: 0 to 10V DC Analog: 4-20mA Analog:	 10-bit 1k ohm minimum 525 ohm maximum
Keypad	Display:	Integral 2 line by 16 character LCD with (5) LED Indicators	
	Languages:	English, Francais, Espanol, Italiano, Deutsch, Portugues, Nederlands	
Communication	Type:	Serial (RS485)	
	Supported Protocols (Standard):	Drive Serial Interface (DSI) Modbus RTU Metasys N2 P1 FLN	
	Supported Protocols (Optional):	BACNet LonWorks DeviceNet EtherNet/IP ControlNet PROFIBUS DP	
	Software (Optional):	Windows Based Pocket PC/Windows Mobile 2003	

PowerFlex 400

Rockwell Automation

Maximum and Minimum Wire Sizes

PowerFlex 400 Standard Product

3.0 – 50HP @ 200 to 240VAC
3.0 – 350HP @ 380 to 480VAC

Type	Terminals	Voltage	kW	HP	Wire Size		Torque (in-lbs)
					Maximum	Minimum	
AC Input	R/L1, S/L2, T/L3	200 - 240V AC	2.2 – 7.5	3 - 10	8 AWG	16 AWG	26
			11 – 22	15 – 30	2 AWG	8 AWG	45
			30 – 37	40 – 50	4/0 AWG	1/0 AWG	173
		380 - 480V AC	2.2 – 15	3 – 20	8 AWG	16 AWG	26
			18.5 – 30	25 – 40	2 AWG	8 AWG	45
			37 – 45	50 – 60	2 AWG	12 AWG	49.5
			55 -75	75 – 100	4/0 AWG	1/0 AWG	173
			90 – 110	125 – 150	300 MCM	3/0 AWG	173
			132 – 160	200 – 250	300 MCM	3/0 AWG	260
			200 – 250	300 – 350	500 MCM	250 MCM	354
AC Output	U/T1, V/T2, W/T3	200 – 240V AC	2.2 – 7.5	3 – 10	8 AWG	16 AWG	26
			11 – 22	15 – 30	2 AWG	8 AWG	45
			30 – 37	40 – 50	4/0 AWG	1/0 AWG	173
		380 – 480V AC	2.2 – 15	3 – 20	8 AWG	16 AWG	26
			18.5 – 30	25 – 40	2 AWG	8 AWG	45
			37 – 45	50 – 60	2 AWG	12 AWG	49.5
			55 – 75	75 – 100	4/0 AWG	1/0AWG	173
			90 – 110	125 – 150	300 MCM	3/0 AWG	173
			132 – 160	200 – 250	300 MCM	3/0 AWG	260
			200 – 250	300 – 350	500 MCM	250 MCM	354
Ground	GND	200 - 240V AC	2.2 – 7.5	3 - 10	8 AWG	16 AWG	26
			11 – 22	15 – 30	2 AWG	8 AWG	45
			30 – 37	40 – 50	4/0 AWG	1/0 AWG	173
		380 - 480V AC	2.2 – 15	3 – 20	8 AWG	16 AWG	26
			18.5 – 30	25 – 40	2 AWG	12 AWG	45
			37 – 45	50 – 60	2 AWG	12 AWG	49.5
			55 – 75	75 – 100	4/0 AWG	1/0AWG	173
			90 – 110	125 – 150	300 MCM	3/0 AWG	173
			132 – 160	200 – 250	300 MCM	3/0 AWG	260
			200 – 250	300 – 350	500 MCM	250 MCM	354
Signal	T1 – T20, R1 – R6	All	All	All	16 AWG	26 AWG	4 – 4.7

PowerFlex 400

Rockwell Automation

Maximum and Minimum Wire Sizes

PowerFlex 400 Packaged Product – Main Input Disconnect

3.0 – 50HP @ 208VAC
3.0 – 200HP @ 460VAC

Style A – Main Input Disconnect

Type	Terminals	Voltage	kW	HP	Wire Size		Torque (in-lbs)
					Maximum	Minimum	
AC Input	L1, L2, L3	208V AC	2.2 – 3.7	3 – 5	8 AWG	14 AWG	35
			5.5 – 7.5	7.5 - 10	4 AWG	14 AWG	35
			11 - 15	15 – 20	2 AWG	14 AWG	155
			18.5 – 30	25 – 40	250 MCM	6 AWG	275
			37	50	350 MCM	1/0 AWG	275
		460V AC	2.2 – 7.5	3 – 10	8 AWG	14 AWG	35
			11 – 18.5	15 – 25	4 AWG	14 AWG	35
			22 - 37	30 – 50	2 AWG	14 AWG	155
			45 - 75	60 – 100	250 MCM	6 AWG	275
			90 – 132	125 – 200	(2) 350 MCM	(2) 6 AWG	275
AC Output	U/T1, V/T2, W/T3	208V AC	2.2 – 7.5	3 – 10	8 AWG	16 AWG	26
			11 – 22	15 – 30	2 AWG	8 AWG	45
			30 – 37	40 – 50	4/0 AWG	1/0 AWG	173
		460V AC	2.2 – 15	3 – 20	8 AWG	16 AWG	26
			18.5 – 30	25 – 40	2 AWG	8 AWG	45
			37 – 45	50 – 60	2 AWG	12 AWG	49.5
			55 – 75	75 – 100	4/0 AWG	1/0 AWG	173
			90 – 100	125 – 150	300 MCM	3/0 AWG	173
			132	200	300 MCM	3/0 AWG	260
Ground	GND	208V AC	2.2 – 15	3 - 20	4 AWG	14 AWG	45
			18.5 – 37	25 – 50	2/0 AWG	14 AWG	150
		460V AC	2.2 – 30	3 – 40	4 AWG	14 AWG	45
			37 – 75	50 – 100	2/0 AWG	14 AWG	150
			90 – 110	125 – 150	(2) 250 MCM	(2) 6 AWG	275
			132	200	(2) 350 MCM	(2) 6 AWG	110 - 325
Signal	T1 – T20, R1 – R6	All	All	All	16 AWG	26 AWG	4 - 4.7

PowerFlex 400

Rockwell Automation

Maximum and Minimum Wire Sizes

PowerFlex 400 Packaged Product – 3 Contactor Full Feature Bypass with Disc.

3.0 – 50HP @ 208VAC
3.0 – 200HP @ 460VAC

Style B – 3 Contactor Full Feature Bypass with Disconnect

Type	Terminals	Voltage	kW	HP	Wire Size		Torque (in-lbs)
					Maximum	Minimum	
AC Input	L1, L2, L3	208V AC	2.2 – 3.7	3 – 5	8 AWG	14 AWG	35
			5.5 – 7.5	7.5 – 10	4 AWG	14 AWG	35
			11 – 15	15 – 20	2 AWG	14 AWG	155
			18.5 – 30	25 - 40	250 MCM	6 AWG	275
			37	50	350 MCM	1/0 AWG	275
		460V AC	2.2 – 7.5	3 – 10	8 AWG	14 AWG	35
			11 – 18.5	15 – 25	4 AWG	14 AWG	35
			22 – 37	30 – 50	2 AWG	14 AWG	155
			45 – 75	60 – 100	250 MCM	6 AWG	275
			90 – 132	125 – 200	(2) 350 MCM	(2) 6 AWG	275
AC Output	T1, T2, T3	208V AC	2.2 – 5.5	3 – 7.5	8 AWG	22 AWG	13
			7.5 – 15	10 – 20	4 AWG	14 AWG	20
			18.5 – 22	25 – 30	1/0 AWG	14 AWG	22
			30 – 37	40 - 50	350 MCM	6 AWG	275
		460V AC	2.2 – 5.5	3 – 7.5	8 AWG	22 AWG	13
			7.5 – 22	10 - 30	4 AWG	14 AWG	20
			30 – 55	40 – 75	1/0 AWG	14 AWG	22
			75	100	350 MCM	6 AWG	275
			90 – 110	125 – 150	350 MCM	6 AWG	275
			132	200	(2) 500 MCM	(2) 4 AWG	500
Ground	GND	208V AC	2.2 – 15	3 - 20	4 AWG	14 AWG	35
			18.5 – 37	25 – 50	2/0 AWG	14 AWG	150
		460V AC	2.2 – 30	3 – 40	4 AWG	14 AWG	35
			37 – 75	50 – 100	2/0 AWG	14 AWG	150
			90 – 110	125 – 150	(2) 250 MCM	(2) 6 AWG	275
			132	200	(2) 350 MCM	(2) 6 AWG	110 – 325
Signal	T1 – T20, R1 – R6	All	All	All	16 AWG	26 AWG	4 – 4.7
	T31 – T40				10 AWG	22 AWG	5 – 5.6

PowerFlex 400

Rockwell Automation

Maximum and Minimum Wire Sizes

PowerFlex 400 Packaged Product – 3 Contactor Basic Bypass with Disconnect

3.0 – 100HP @ 460VAC

Style C – 3 Contactor Basic Bypass with Disconnect

Type	Terminals	Voltage	kW	HP	Wire Size		Torque (in-lbs)
					Maximum	Minimum	
AC Input	L1, L2, L3	460V AC	2.2 – 5.5	3 – 7.5	8 AWG	22 AWG	13
			7.5 – 22	10 - 30	4 AWG	14 AWG	20
			30	40	1/0 AWG	14 AWG	22
			37 – 45	50 - 60	2 AWG	12 AWG	120
			55 – 75	75 – 100	250 MCM	6 AWG	275
AC Output	T1, T2, T3	460V AC	2.2 – 5.5	3 – 7.5	8 AWG	22 AWG	13
			7.5 – 22	10 - 30	4 AWG	14 AWG	20
			30 – 55	40 – 75	1/0 AWG	14 AWG	22
			75	100	350 MCM	6 AWG	275
Ground	GND	460V AC	2.2 – 30	3 – 40	4 AWG	14 AWG	35
			37 – 75	50 – 100	2/0 AWG	14 AWG	150
Signal	T1 – T20 , R1 – R6	All	All	All	16 AWG	26 AWG	4 – 4.7
	T18 – T24				10 AWG	22 AWG	5 – 5.6

PowerFlex 400

Rockwell Automation

Maximum and Minimum Wire Sizes

PowerFlex 400 Packaged Product – Main Input Circuit Breaker

3.0 – 50HP @ 208VAC
3.0 – 350HP @ 460VAC

Style M – Main Input Circuit Breaker

Type	Terminals	Voltage	kW	HP	Wire Size		Torque (in-lbs)
					Maximum	Minimum	
AC Input	L1, L2, L3	208V AC	2.2 – 18.5	3 – 25	10 AWG	14 AWG	35
					8 AWG	8 AWG	40
					4 AWG	6 AWG	45
					3/0 AWG	3 AWG	50
			22 – 37	30 – 50	350 MCM	4 AWG	250
		460V AC	2.2 – 45	3 – 60	10 AWG	14 AWG	35
					8 AWG	8 AWG	40
					4 AWG	6 AWG	45
					3/0 AWG	3 AWG	50
			55 - 90	75 – 125	350 MCM	4 AWG	250
			100	150	250 MCM	3/0 AWG	275
			132 – 250	200 – 350	(2) 350 MCM	(2) 3/0 AWG	375
AC Output	U/T1, V/T2, W/T3	208V AC	2.2 – 7.5	3 – 10	8 AWG	16 AWG	26
			11 – 22	15 – 30	2 AWG	8 AWG	45
			30 – 37	40 – 50	4/0 AWG	1/0 AWG	173
		460V AC	2.2 – 15	3 – 20	8 AWG	16 AWG	26
			18.5 – 30	25 – 40	2 AWG	8 AWG	45
			37 – 45	50 – 60	2 AWG	12 AWG	49.5
			55 – 75	75 – 100	4/0 AWG	1/0 AWG	173
			90 – 100	125 – 150	300 MCM	3/0 AWG	173
			132 – 160	200 – 250	300 MCM	3/0 AWG	260
			200 – 250	300 – 350	500 MCM	250 MCM	354
Ground	GND	208V AC	2.2 – 15	3 - 20	4 AWG	14 AWG	45
			18.5 – 37	25 – 50	2/0 AWG	14 AWG	150
		460V AC	2.2 – 30	3 – 40	4 AWG	14 AWG	45
			37 – 75	50 – 100	2/0 AWG	14 AWG	150
			90 – 110	125 – 150	(2) 250 MCM	(2) 6 AWG	275
			132 – 250	200 – 350	(2) 350 MCM	(2) 6 AWG	110 – 325
Signal	T1 – T20, R1 – R6	All	All	All	16 AWG	26 AWG	4 - 4.7

PowerFlex 400

Rockwell Automation

Maximum and Minimum Wire Sizes

PowerFlex 400 Packaged Product – 3 Contactor Full Feature Bypass with CB.

3.0 – 50HP @ 208VAC
3.0 – 350HP @ 460VAC

Style N – 3 Contactor Full Feature Bypass with Circuit Breaker

Type	Terminals	Voltage	kW	HP	Wire Size		Torque (in-lbs)
					Maximum	Minimum	
AC Input	L1, L2, L3	208V AC	2.2 – 3.7	3 – 5	8 AWG	14 AWG	35
			5.5 – 7.5	7.5 – 10	4 AWG	14 AWG	35
			11 – 15	15 – 20	2 AWG	14 AWG	155
			18.5 – 30	25 - 40	250 MCM	6 AWG	275
			37	50	350 MCM	1/0 AWG	275
		460V AC	2.2 – 7.5	3 – 10	8 AWG	14 AWG	35
			11 – 18.5	15 – 25	4 AWG	14 AWG	35
			22 – 37	30 – 50	2 AWG	14 AWG	155
			45 – 75	60 – 100	250 MCM	6 AWG	275
			90 – 100	125 – 150	(2) 350 MCM	(2) 6 AWG	275
AC Output	T1, T2, T3	208V AC	2.2 – 5.5	3 – 7.5	8 AWG	22 AWG	13
			7.5 – 15	10 – 20	4 AWG	14 AWG	20
			18.5 – 22	25 – 30	1/0 AWG	14 AWG	22
			30 – 37	40 - 50	350 MCM	6 AWG	275
		460V AC	2.2 – 5.5	3 – 7.5	8 AWG	22 AWG	13
			7.5 – 22	10 - 30	4 AWG	14 AWG	20
			30 – 55	40 – 75	1/0 AWG	14 AWG	22
			75	100	350 MCM	6 AWG	275
			90 – 110	125 – 150	350 MCM	6 AWG	275
			132 - 250	200 – 350	(2) 500 MCM	(2) 4 AWG	500
Ground	GND	208V AC	2.2 – 15	3 - 20	4 AWG	14 AWG	35
			18.5 – 37	25 – 50	2/0 AWG	14 AWG	150
		460V AC	2.2 – 30	3 – 40	4 AWG	14 AWG	35
			37 – 75	50 – 100	2/0 AWG	14 AWG	150
			90 – 110	125 – 150	(2) 250 MCM	(2) 6 AWG	275
			132 – 250	200 – 350	(2) 350 MCM	(2) 6 AWG	110 – 325
Signal	T1 – T20, R1 – R6	All	All	All	16 AWG	26 AWG	4 – 4.7
	T31 – T40				10 AWG	22 AWG	5 – 5.6

PowerFlex 400

Rockwell Automation

Short Circuit Current Rating

PowerFlex 400 Packaged Product

3.0 – 50HP @ 208VAC
3.0 – 350HP @ 460VAC

Voltage	HP	Drive Frame	Drive Only	Main Input Disconnect (Style A)	3 Contactor Full Feature Bypass with Disconnect (Style B)	3 Contactor Basic Bypass with Disconnect (Style C)	Main Input Circuit Breaker (Style M)	3 Contactor Full Feature Bypass with Circuit Breaker (Style N)
	3	C	100 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	5	C	100 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	7.5	C	100 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	10	C	100 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	15	D	200 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	20	D	200 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	25	D	200 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	30	D	200 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	40	E	200 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	50	E	200 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	3	C	100 kA	100 kA	100 kA	65 kA	Consult Factory	Consult Factory
	5	C	100 kA	100 kA	100 kA	65 kA	Consult Factory	Consult Factory
	7.5	C	100 kA	100 kA	100 kA	65 kA	Consult Factory	Consult Factory
	10	C	100 kA	100 kA	100 kA	65 kA	Consult Factory	Consult Factory
	15	C	100 kA	100 kA	100 kA	65 kA	Consult Factory	Consult Factory
	20	C	100 kA	100 kA	100 kA	65 kA	Consult Factory	Consult Factory
	25	D	200 kA	100 kA	100 kA	65 kA	Consult Factory	Consult Factory
	30	D	200 kA	100 kA	100 kA	65 kA	Consult Factory	Consult Factory
	40	D	200 kA	100 kA	100 kA	42 kA	Consult Factory	Consult Factory
480V AC	50	E	200 kA	100 kA	100 kA	35 kA	Consult Factory	Consult Factory
	60	E	200 kA	100 kA	100 kA	35 kA	Consult Factory	Consult Factory
	75	E	200 kA	100 kA	100 kA	100 kA	Consult Factory	Consult Factory
	100	E	200 kA	100 kA	100 kA	100 kA	Consult Factory	Consult Factory
	125	F	200 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	150	F	200 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	200	G	200 kA	100 kA	100 kA	-	Consult Factory	Consult Factory
	250	G	200 kA	-	-	-	Consult Factory	Consult Factory
	300	H	200 kA	-	-	-	Consult Factory	Consult Factory
	350	H	200 kA	-	-	-	Consult Factory	Consult Factory

PowerFlex 400

Rockwell Automation

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