

PowerFlex 40

PowerFlex 40 AC Drive

- 0.37...2.2 kW @ 240V 1-phase
0.37...11 kW @ 400...600V 3-phase
(240V 3-phase also available)
- V/Hz and Sensorless Vector control
- Integral dynamic brake chopper
- Communication modules for industrial automation networks
- Integral RS 485 communication: allows multi-drop configurations
(up to 4 additional PowerFlex 4 Class drives on one network node)
- Integral programming keypad and local LED status indication
- StepLogic with AND/OR and timer/counter functions
- Programmable via DriveExplorer or DriveExecutive
(1203-USB required)
- Zero stacking (no spacing required between drives)



Typical Motor Rating		Input Voltage	Drive Output [A]			Frame Size	Dimensions H x W x D	Cat. No.
[kW]	[A]		Cont.	60 s	3 s			
0.4	1.9	200...240V 50/60Hz, 1-phase, EMC Filter, Brake Chopper	2.3	3.5	4.6	B	180x100x136	22B-A2P3N114
0.75	3.3		5	7.5	10	B	180x100x136	22B-A5P0N114
1.5	6.1		8	12	16	B	180x100x136	22B-A8P0N114
2.2	8.9		12	18	24	C	260x130x180	22B-A012N114
0.4	1.9	200...240V 50/60Hz, 1-phase, no EMC Filter, Brake Chopper	2.3	3.5	4.6	B	180x100x136	22B-A2P3N104
0.75	3.3		5	7.5	10	B	180x100x136	22B-A5P0N104
1.5	6.1		8	12	16	B	180x100x136	22B-A8P0N104
2.2	8.9		12	18	24	C	260x130x180	22B-A012N104
0.4	1.9	200...240V 50/60Hz, 3-phase, no EMC Filter, Brake Chopper	2.3	3.5	4.6	B	180x100x136	22B-B2P3N104
0.75	3.3		5	7.5	10	B	180x100x136	22B-B5P0N104
1.5	6.1		8	12	16	B	180x100x136	22B-B8P0N104
2.2	8.9		12	18	24	B	180x100x136	22B-B012N104
3.7	15.3		17.5	25.5	34	B	180x100x136	22B-B017N104
5.5	21		24	36	48	C	260x130x180	22B-B024N104
7.5	28		33	49.5	66	C	260x130x180	22B-B033N104
11	37		44	66	88	C	260x130x180	22B-B044N104
0.4	1.1	400...480V 50/60Hz, 3-phase, no EMC Filter, Brake Chopper	1.4	2.1	2.8	B	180x100x136	22B-D1P4N104
0.75	1.9		2.3	3.5	4.6	B	180x100x136	22B-D2P3N104
1.5	3.5		4	6	8	B	180x100x136	22B-D4P0N104
2.2	5		6	9	12	B	180x100x136	22B-D6P0N104
4	8.4		10.5	15	20	B	180x100x136	22B-D010N104
5.5	11.4		12	18	24	C	260x130x180	22B-D012N104
7.5	15		17	25.5	34	C	260x130x180	22B-D017N104
11	22		24	36	48	C	260x130x180	22B-D024N104
0.75	—	600V 50/60Hz, 3-phase, no EMC Filter, Brake Chopper	1.7	2.5	3.4	B	180x100x136	22B-E1P7N104
1.5	—		3	4.5	6	B	180x100x136	22B-E3P0N104
2.2	—		4.2	6.3	8.4	B	180x100x136	22B-E4P2N104
4	—		6.6	9.9	13.2	B	180x100x136	22B-E6P6N104
5.5	—		9.9	14.8	19.8	C	260x130x180	22B-E9P9N104
7.5	—		12	18	24	C	260x130x180	22B-E012N104
11	—	19	28	38	C	260x130x180	22B-E019N104	

See Publication 22-TD001... for complete product information.

	Cat. No.
External EMC Filter for up to 10 m of Motor Cable	
EMC Filter PowerFlex 4/40, 200...240V, 3-phase, 21 A, Frame B	22-RF021-BS
EMC Filter PowerFlex 40, 200...240V, 3-phase, 34 A, Frame C	22-RF034-CS
EMC Filter PowerFlex 4/40, 400...480V, 3-phase, 12 A, Frame B	22-RF012-BS
EMC Filter PowerFlex 40, 400...480V, 3-phase, 18 A, Frame C	22-RF018-CS
EMC Filter PowerFlex 40/400, 480V, 3-phase, 26 A, Frame C	22-RF026-CS
External EMC Filter for up to 100 m of Motor Cable	
EMC Filter PowerFlex 4/40, 200...240V, 1-phase, 18 A, Frame B	22-RF018-BL
EMC Filter PowerFlex 40, 200...240V, 1-phase, 25 A, Frame C	22-RF025-CL
EMC Filter PowerFlex 4/40, 200...240V, 3-phase, 21 A, Frame B	22-RF021-BL
EMC Filter PowerFlex 40, 200...240V, 3-phase, 34 A, Frame C	22-RF034-CL
EMC Filter PowerFlex 4/40, 400...480V, 3-phase, 12 A, Frame B	22-RF012-BL
EMC Filter PowerFlex 40, 400...480V, 3-phase, 18 A, Frame C	22-RF018-CL
EMC Filter PowerFlex 40, 480V, 3-phase, 26 A, Frame C	22-RF026-CL
External User Interface Modules	
Panel Mount, IP66, Full Numeric LCD, Cable 2 m	22-HIM-C2S
Hand Held, IP30, Full Numeric LCD, Cable 1 m	22-HIM-A3
Bezel Kit, IP20 for use with 22-HIM-A3	22-HIM-B1
DSI HIM Cable, 1 m	22-HIM-H10
DSI HIM Cable, 2.9 m	22-HIM-H30
Communication Options	
Built in RS485 (standard)	—
RJ45 One Port to Two Ports Splitter	AK-U0-RJ45-SC1
RJ45 120 Ohm Terminating Resistors (2 pcs)	AK-U0-RJ45-TR1
Communication Option, RJ45 Dual Position Terminal Block (5 pcs)	AK-U0-RJ45-TB2P
Communication Module, DeviceNet (Frame B or C cover is needed)	22-COMM-D
Communication Module, ControlNet™ (Frame B or C cover is needed)	22-COMM-C
Communication Module, Profibus™ (Frame B or C cover is needed)	22-COMM-P
Communication Module, EtherNet/IP (Frame B or C cover is needed)	22-COMM-E
Communication Module, LonWorks (Frame B or C cover is needed)	22-COMM-L
Compact Logix to DSI Interface	1769-SM2
Cover for Frame B PowerFlex 40	22B-CCB
Cover for Frame C PowerFlex 40	22B-CCC
PC Programming Tool	
Serial Converter Module with Software DriveExplorer Light Version	22-SCM-232
USB to DSI/DPI Converter with Software DriveExplorer Light Version	1203-USB
Programming Software	
DriveExplorer for PC	9306-4EXP02ENE
DriveTools SP Suite, DriveExecutive and DriveObserver	9303-4DTS01ENE

See Publication 22-TD001... for complete product information.