

Product Selection

Drive Ratings			PowerFlex 4			IP 20 Flange Mount ⁽²⁾	PowerFlex 40			IP 66, UL Type 4X Panel Mount	IP 20 Flange Mount ⁽²⁾
Input Voltage	kW	HP	Output Current	Catalog Number	Frame Size	Catalog Number	Output Current	Catalog Number	Frame Size	Catalog Number	Catalog Number
120V 50/60 Hz 1-Phase No Filter	0.2	0.25	1.5A	22A-V1P5N104	A	22A-V1P5F104	—	—	—	—	—
	0.4	0.5	2.3A	22A-V2P3N104	A	22A-V2P3F104	2.3A	22B-V2P3N104	B	22B-V2P3C104	22B-V2P3F104
	0.75	1.0	4.5A	22A-V4P5N104	B	22A-V4P5F104	5.0A	22B-V5P0N104	B	22B-V5P0C104	22B-V5P0F104
	1.1	1.5	6.0A	22A-V6P0N104	B	22A-V6P0F104	6.0A	22B-V6P0N104	B	22B-V6P0C104	22B-V6P0F104
240V 50/60 Hz 1-Phase NO BRAKE No Filter	0.2	0.25	1.4A	22A-A1P4N103	A	—	—	—	—	—	—
	0.4	0.5	2.1A	22A-A2P1N103	A	—	—	—	—	—	—
	0.75	1.0	3.6A	22A-A3P6N103	A	—	—	—	—	—	—
	1.5	2.0	6.8A	22A-A6P8N103	B	—	—	—	—	—	—
240V 50/60 Hz 1-Phase NO BRAKE With Integral "S Type" EMC Filter ⁽¹⁾	0.2	0.25	1.4A	22A-A1P4N113	A	—	—	—	—	—	—
	0.4	0.5	2.1A	22A-A2P1N113	A	—	—	—	—	—	—
	0.75	1.0	3.6A	22A-A3P6N113	A	—	—	—	—	—	—
	1.5	2.0	6.8A	22A-A6P8N113	B	—	—	—	—	—	—
240V 50/60 Hz 1-Phase With Integral "S Type" EMC Filter ⁽¹⁾	0.2	0.25	1.5A	22A-A1P5N114	A	—	—	—	—	—	—
	0.4	0.5	2.3A	22A-A2P3N114	A	—	2.3A	22B-A2P3N114	B	—	—
	0.75	1.0	4.5A	22A-A4P5N114	A	—	5.0A	22B-A5P0N114	B	—	—
	1.5	2.0	8.0A	22A-A8P0N114	B	—	8.0A	22B-A8P0N114	B	—	—
240V 50/60 Hz 1-Phase No Filter	0.2	0.25	1.5A	22A-A1P5N104	A	22A-A1P5F104	—	—	—	—	—
	0.4	0.5	2.3A	22A-A2P3N104	A	22A-A2P3F104	2.3A	22B-A2P3N104	B	22B-A2P3C104	22B-A2P3F104
	0.75	1.0	4.5A	22A-A4P5N104	A	22A-A4P5F104	5.0A	22B-A5P0N104	B	22B-A5P0C104	22B-A5P0F104
	1.5	2.0	8.0A	22A-A8P0N104	B	22A-A8P0F104	8.0A	22B-A8P0N104	B	22B-A8P0C104	22B-A8P0F104
240V 50/60 Hz 3-Phase No Filter	0.2	0.25	1.5A	22A-B1P5N104	A	22A-B1P5F104	—	—	—	—	—
	0.4	0.5	2.3A	22A-B2P3N104	A	22A-B2P3F104	2.3A	22B-B2P3N104	B	22B-B2P3C104	22B-B2P3F104
	0.75	1.0	4.5A	22A-B4P5N104	A	22A-B4P5F104	5.0A	22B-B5P0N104	B	22B-B5P0C104	22B-B5P0F104
	1.5	2.0	8.0A	22A-B8P0N104	A	22A-B8P0F104	8.0A	22B-B8P0N104	B	22B-B8P0C104	22B-B8P0F104
	2.2	3.0	12.0A	22A-B012N104	B	22A-B012F104	12.0A	22B-B012N104	B	22B-B012C104	22B-B012F104
	3.7	5.0	17.5A	22A-B017N104	B	22A-B017F104	17.5A	22B-B017N104	B	22B-B017C104	22B-B017F104
	5.5	7.5	—	—	—	—	24.0A	22B-B024N104	C	—	22B-B024F104
	7.5	10.0	—	—	—	—	33.0A	22B-B033N104	C	—	22B-B033F104
480V 50/60 Hz 3-Phase No Filter	0.4	0.5	1.4A	22A-D1P4N104	A	22A-D1P4F104	1.4A	22B-D1P4N104	B	22B-D1P4C104	22B-D1P4F104
	0.75	1.0	2.3A	22A-D2P3N104	A	22A-D2P3F104	2.3A	22B-D2P3N104	B	22B-D2P3C104	22B-D2P3F104
	1.5	2.0	4.0A	22A-D4P0N104	A	22A-D4P0F104	4.0A	22B-D4P0N104	B	22B-D4P0C104	22B-D4P0F104
	2.2	3.0	6.0A	22A-D6P0N104	B	22A-D6P0F104	6.0A	22B-D6P0N104	B	22B-D6P0C104	22B-D6P0F104
	3.7	5.0	8.7A	22A-D8P7N104	B	22A-D8P7F104	—	—	—	—	—
	4.0	5.0	—	—	—	—	10.5A	22B-D010N104	B	22B-D010C104	22B-D010F104
	5.5	7.5	—	—	—	—	12.0A	22B-D012N104	C	—	22B-D012F104
	7.5	10.0	—	—	—	—	17.0A	22B-D017N104	C	—	22B-D017F104
600V 50/60 Hz 3-Phase No Filter	0.75	1.0	—	—	—	—	1.7A	22B-E1P7N104	B	22B-E1P7C104	22B-E1P7F104
	1.5	2.0	—	—	—	—	3.0A	22B-E3P0N104	B	22B-E3P0C104	22B-E3P0F104
	2.2	3.0	—	—	—	—	4.2A	22B-E4P2N104	B	22B-E4P2C104	22B-E4P2F104
	4.0	5.0	—	—	—	—	6.6A	22B-E6P6N104	B	22B-E6P6C104	22B-E6P6F104
	5.5	7.5	—	—	—	—	9.9A	22B-E9P9N104	C	—	22B-E9P9F104
	7.5	10.0	—	—	—	—	12.0A	22B-E012N104	C	—	22B-E012F104
	11.0	15.0	—	—	—	—	19.0A	22B-E019N104	C	—	22B-E019F104

(1) This filter is suitable for use with a cable length of at least 10 meters for Class A and 1 meter for Class B environments.

(2) Meets IP40/54/65 (NEMA 1/12/4/4X) when installed in an enclosure of like rating.

(3) Requires use of external DC Bus Inductor or AC Line Reactor.

Shaded areas are applicable to PowerFlex 40 only.

Specifications

Drive Ratings — PowerFlex 4

Catalog Number	Output Ratings		Input Ratings			Branch Circuit Protection				Power Dissipation	
	kW (HP)	Amps	Voltage Range	kVA	Amps	Fuses ⁽²⁾	140M Motor Protectors ^{(3) (4)}	Contactors	Min. Enclosure Volume ⁽⁵⁾ (in. ³)	Internal	Total
100...120V AC – 1-Phase Input, 0...230V 3-Phase Output											
22A-V1P5N104	0.2 (0.25)	1.5	90...126	0.75	6.0	10	140M-C2E-C10	100-C09	1655	10	25
22A-V2P3N104	0.4 (0.5)	2.3	90...126	1.15	9.0	15	140M-C2E-C16	100-C12	1655	9	30
22A-V4P5N104	0.75 (1.0)	4.5	90...126	2.25	18.0	30	140M-D8E-C20	100-C23	1655	12	50
22A-V6P0N104	1.1 (1.5)	6.0	90...126	3.00	24.0	40	140M-F8E-C32	100-C37	1655	12	70
200...240V AC – 1-Phase Input, 0...230V 3-Phase Output (No Brake)⁽¹⁾											
22A-A1P4N103	0.2 (0.25)	1.4	180...265	0.7	3.2	6	140M-C2E-B40	100-C09	1655	10	25
22A-A2P1N103	0.4 (0.5)	2.1	180...265	1.05	5.3	10	140M-C2E-B63	100-C09	1655	9	30
22A-A3P6N103	0.75 (1.0)	3.6	180...265	1.8	9.2	15	140M-C2E-C16	100-C12	1655	12	50
22A-A6P8N103	1.5 (2.0)	6.8	180...265	3.4	14.2	25	140M-C2E-C16	100-C16	1655	16	80
22A-A9P6N103	2.2 (3.0)	9.6	180...265	4.8	19.6	30	140M-D8E-C25	100-C23	1655	11	110
200...240V AC – 1-Phase Input, 0...230V 3-Phase Output⁽¹⁾											
22A-A1P5N104	0.2 (0.25)	1.5	180...265	0.75	5.0	10	140M-C2E-B63	100-C09	1655	10	25
22A-A2P3N104	0.4 (0.5)	2.3	180...265	1.15	6.0	10	140M-C2E-B63	100-C09	1655	9	30
22A-A4P5N104	0.75 (1.0)	4.5	180...265	2.25	10.0	15	140M-C2E-C16	100-C12	1655	12	50
22A-A8P0N104	1.5 (2.0)	8.0	180...265	4.0	18.0	30	140M-D8E-C20	100-C23	1655	16	80
200...240V AC – 3-Phase Input, 0...230V 3-Phase Output											
22A-B1P5N104	0.2 (0.25)	1.5	180...265	0.75	1.8	3	140M-C2E-B25	100-C09	1655	10	25
22A-B2P3N104	0.4 (0.5)	2.3	180...265	1.15	2.5	6	140M-C2E-B40	100-C09	1655	9	30
22A-B4P5N104	0.75 (1.0)	4.5	180...265	2.25	5.2	10	140M-C2E-C10	100-C09	1655	12	50
22A-B8P0N104	1.5 (2.0)	8.0	180...265	4.0	9.5	15	140M-C2E-C16	100-C12	1655	16	80
22A-B012N104	2.2 (3.0)	12.0	180...265	5.5	15.5	25	140M-C2E-C16	100-C16	1655	16	115
22A-B017N104	3.7 (5.0)	17.5	180...265	8.6	21.0	35	140M-F8E-C25	100-C23	1655	16	165
380...480V AC – 3-Phase Input, 0...460V 3-Phase Output											
22A-D1P4N104	0.4 (0.5)	1.4	340...528	1.4	1.8	3	140M-C2E-B25	100-C09	1655	15	30
22A-D2P3N104	0.75 (1.0)	2.3	340...528	2.3	3.2	6	140M-C2E-B40	100-C09	1655	13	40
22A-D4P0N104	1.5 (2.0)	4.0	340...528	4.0	5.7	10	140M-C2E-B63	100-C09	1655	13	60
22A-D6P0N104	2.2 (3.0)	6.0	340...528	5.9	7.5	15	140M-C2E-C10	100-C09	1655	17	90
22A-D8P7N104	3.7 (5.0)	8.7	340...528	8.6	9.0	15	140M-C2E-C16	100-C16	1655	14	145

(1) 200...240V AC - 1-Phase drives are also available with an integral EMC filter. Catalog suffix changes from N104 to N114 or N103 to N113.

(2) Recommended Fuse Type: UL Class J, CC, T or Type BS88; 600V (550V) or equivalent.

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

(4) 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.

(5) 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.