

B SERIES VARIABLE FREQUENCY VECTOR DRIVE

1 ~ 100HP - NEMA 1 ENCLOSURE - UL, CUL & CE APPROVED



Features:

- Volt/Hertz, Sensorless vector & Closed loop vector control
- All VFD-B drives are Constant Torque rated.
- Programmable (0 ~ 2000Hz) for high speed applications.
- The output current is adjustable up to 120% of the drive's nominal capacity.
- All "240/1/60" models also accept three phase input.
- Inputs: 11 digital (4 dedicated & 7 programmable) & 3 analog.
- Outputs: 4 digital, 1 analog & 1 digital frequency output.
- RS-485 communication port, standard protocol Modbus RTU & ASCII.
- B series drives have built-in dynamic braking transistors up to 15HP.
- Please refer to the "VFD Accessories" section for all available options.
- Please refer to the "Delta Braking Resistors & Modules" for prices.



RATING HP	kW	OUTPUT kVA	INPUT AMPS	OUTPUT AMPS	OUTPUT CURRENT PROTECTION	BRAKING RESISTORS	RESISTOR MIN. Ω	BRAKING MODULE	DIMENSIONS (MM) W X H X D	WEIGHT LBS	MODEL
PNP/NPN 240/1/60 NEMA 1											
1	0.7	1.9	11.9	5.0	1.5 - 6A	1 X BR080W200	82 ohms	Built-in	118 x 185 x 160	2.7	VFD007B21A
2	1.5	2.5	15.3	7.0	2.1 - 8.4A	1 X BR300W100	82 ohms	Built-in	118 x 185 x 145	3.2	VFD015B21B
3	2.2	4.2	22.0	11	3.3 - 13.2A	1 X BR300W100	82 ohms	Built-in	150 x 260 x 160.2	4.5	VFD022B21A
PNP/NPN 240/3/60 NEMA 1											
1	0.7	1.9	5.7	5.0	1.5 - 6A	1 X BR080W200	82 Ohms	Built-in	118 x 185 x 145	2.7	VFD007B21A
2	1.5	2.5	7.6	7.0	2.1 - 8.4A	1 X BR300W100	82 ohms	Built-in	118 x 185 x 145	3.2	VFD015B21B
3	2.2	4.2	15.5	11	3.3 - 13.2A	1 X BR300W100	82 ohms	Built-in	150 x 260 x 160.2	4.5	VFD022B21A
5	3.7	6.5	20.6	17	5.1 - 20.4A	1 X BR400W040	33 ohms	Built-in	150 x 260 x 160.2	6.8	VFD037B23A
7.5	5.5	9.5	26	25	7.5 - 30A	1 X BR500W030	30 Ohms	Built-in	200 x 323 x 183.2	8.0	VFD055B23A
10	7.5	12.5	34	33	9.9 - 39.6A	1 X BR1K0W020	20 ohms	Built-in	200 x 323 x 183.2	10.0	VFD075B23A
15	11	18.3	50	49	14.7 - 58.8A	2 X BR1K2W6P8	13.6 ohms	Built-in	200 x 323 x 183.2	13.0	VFD110B23A
20	15	24.7	60	65	19.5 - 78A	2 X BR1K5W005	10 ohms	1 X VFD2015	250 x 403.8 x 205.4	13.0	VFD150B23A
25	18.5	28.6	75	75	22.5 - 90A	4 X BR1K2W008	8 ohms	1 X VFD2022	250 x 403.8 x 205.4	13.0	VFD185B23A
30	22	34.3	90	90	20 - 108A	4 X BR1K2W6P8	6.8 ohms	1 X VFD2022	250 x 403.8 x 205.4	13.0	VFD220B23A
40	30	45.7	110	120	36 - 144A	4 X BR1K5W005	5 ohms	2 X VFD2015	370 x 589 x 260	36.0	VFD300B23A
50	37	55.0	142	145	43.5 - 174A	8 X BR1K2W008	4 ohms	2 X VFD2015	370 x 589 x 260	36.0	VFD370B23A
PNP/NPN 480/3/60 NEMA 1											
1	0.7	2.3	3.2	2.7	0.81 - 3.24A	1 X BR080W750	160 ohms	Built-in	118 x 185 x 145	2.7	VFD007B43A
2	1.5	3.2	4.3	4.2	1.26 - 5.04A	1 X BR300W400	160 ohms	Built-in	118 x 185 x 160	3.2	VFD015B43A
3	2.2	4.2	5.9	5.5	1.65 - 6.6A	1 X BR300W250	160 ohms	Built-in	118 x 185 x 160	4.5	VFD022B43B
5	3.7	6.5	11.2	8.5	2.55 - 10.2A	1 X BR400W150	130 ohms	Built-in	150 x 260 x 160.2	6.8	VFD037B43A
7.5	5.5	9.9	14	13	3.9 - 15.6A	1 X BR500W100	91 ohms	Built-in	200 x 323 x 183.2	8.0	VFD055B43A
10	7.5	13.7	19	18	5.4 - 21.6A	1 X BR1K0W075	62 ohms	Built-in	200 x 323 x 183.2	10.0	VFD075B43A
15	11	18.3	25	24	7.2 - 28.8A	1 X BR1K0W050	39 ohms	Built-in	200 x 323 x 183.2	13.0	VFD110B43A
20	15	24.4	32	32	9.6 - 38.4A	1 X BR1K5W040	40 ohms	1X VFD4030	250 x 403.8 x 205.4	13.0	VFD150B43A
25	18.5	28.9	39	38	11.4 - 45.6A	4 X BR1K2W008	32 ohms	1X VFD4030	250 x 403.8 x 205.4	13.0	VFD185B43A
30	22	34.3	49	45	13.5 - 54A	4 X BR1K2W6P8	27.2 ohms	1X VFD4030	250 x 403.8 x 205.4	13.0	VFD220B43A
40	30	45.7	60	60	18 - 72A	4 X BR1K5W005	20 ohms	1X VFD4030	370 x 589 x 260	36.0	VFD300B43A
50	37	55.6	63	73	21.9 - 87.6A	8 X BR1K2W008	16 ohms	1X VFD4045	370 x 589 x 260	36.0	VFD370B43A
60	45	69.3	90	91	27.3 - 109.2A	8 X BR1K2W6P8	13.6 ohms	1X VFD4045	370 x 589 x 260	36.0	VFD450B43A
75	55	84.0	130	110	33 - 132A	8 X BR1K5W005	10 ohms	2X VFD4030	525 x 660 x 264	50.0	VFD550B43A
100	75	114.0	160	150	45 - 180A	16 X BR1K2W6P8	6.8 ohms	2X VFD4045	525 x 660 x 264	50.0	VFD750B43A

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RATING HP	OUTPUT kW	OUTPUT kVA	INPUT AMPS	OUTPUT AMPS	OUTPUT CURRENT PROTECTION	BRAKING RESISTORS	RESISTOR MIN. Ω	BRAKING MODULE	DIMENSIONS (MM) W X H X D	WEIGHT LBS	MODEL
PNP/NPN 600/3/60 NEMA 1											
1	0.7	1.7	2.0	1.7	0.51 - 2.04A	1 X BR300W400	200 ohms	Built-in	118 x 185 x 145	2.7	VFD007B53A
2	1.5	3.5	3.6	3.5	1.05 - 4.2A	1 X BR300W250	200 ohms	Built-in	118 x 185 x 145	3.2	VFD015B53A
3	2.2	4.5	4.9	4.5	1.35 - 5.4A	1 X BR400W150	130 ohms	Built-in	118 x 185 x 160	4.5	VFD022B53A
5	3.7	7.5	9.9	7.5	2.25 - 9A	1 X BR400W150	130 ohms	Built-in	150 x 260 x 160.2	6.8	VFD037B53A
7.5	5.5	10.0	10.8	10.0	3 - 12A	1 X BR500W100	82 ohms	Built-in	200 x 323 x 183.2	8.0	VFD055B53A
10	7.5	13.4	14.3	13.5	4.05 - 16.2A	1 X BR500W100	82 ohms	Built-in	200 x 323 x 183.2	10.0	VFD075B53A
15	11	18.9	19.8	19.0	5.7 - 22.8A	1 X BR500W100	82 ohms	Built-in	200 x 323 x 183.2	13.0	VFD110B53A
20	15	22.0	22.0	22.0	6.6 - 26.4A	3 X BR1K0W020	60 ohms	1 X VFD5055	250 x 403.8 x 205.4	13.0	VFD150B53A
25	18.5	26.9	27.7	27.0	8.1 - 32.4A	4 X BR1K0W050	50 ohms	1 X VFD5055	250 x 403.8 x 205.4	13.0	VFD185B53A
30	22	33.9	37.0	34.0	10.2 - 40.8A	5 X BR1K2W008	40 ohms	1 X VFD5055	250 x 403.8 x 205.4	13.0	VFD220B53A
40	30	40.8	41.0	41.0	12.3 - 49.2A	5 X BR1K2W6P8	34 ohms	1 X VFD5055	370 x 589 x 260	36.0	VFD300B53A
50	37	51.8	52.0	52.0	15.6 - 62.4A	5 X BR1K5W005	25 ohms	1 X VFD5055	370 x 589 x 260	36.0	VFD370B53A
60	45	61.7	62.0	62.0	18.6 - 74.4A	10 X BR1K2W008	20 ohms	1 X VFD5055	370 x 589 x 260	36.0	VFD450B53A
75	55	79.7	95.0	80.0	24 - 96A	10 X BR1K2W6P8	17 ohms	1 X VFD5055	370 x 589 x 260	50.0	VFD550B53A
100	75	99.6	117.0	100.0	30 - 120A	10 X BR1K5W005	12.5 ohms	2 X VFD5055	370 x 589 x 260	50.0	VFD750B53A