

C2000 SERIES VECTOR DRIVE WITH FLUX ORIENTATED CONTROL

1 ~ 125HP - 240V - NEMA 1 ENCLOSURE - UL, CUL & CE APPROVED



Features:

- Volt/Hertz, Position, Torque, Sensorless vector & Closed loop vector control
- All C2000 drives are Constant and Variable Torque rated.
- All C2000 drives are Normal & Heavy duty rated.
- Suitable for synchronous, PM & induction motors.
- Programmable (0 ~ 600Hz) for high speed applications.
- 4 quadrant torque control & limit.
- Conformal coated circuit boards.
- Adaptable to 50°C environment.
- Built-in EMI filter.
- Real-time clock & calendar functions.
- Built-in 10K step capacity PLC.
- The output current is adjustable up to 120% of the drive's nominal capacity.
- C2000 series drives have built-in dynamic braking transistors frames A, B & C.
- Inputs: 11 digital (3 dedicated & 8 programmable) & 3 analog.
- Power removal safety function for Emergency Stop.
- Outputs: 2 relays, 2 digital, 2 analog & 1 digital frequency output.
- 2 RS-485 communication ports, standard protocol Modbus RTU & ASCII.
- Please refer to the " VFD Accessories" section for all available options.
- Please refer to MEP for dynamic braking & Active Front End option 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 240/3/60 NEMA 1											
1	0.7	2.0	6.4	5.0	0,5-6,0A	1 X BR080W200	63,3 ohms	Built-in	130 x 250 x 170	2.6	VFD007C23A
2	1.5	3.2	12.0	8.0	0,8-9,6A	1 X BR300W100	47,2 ohms	Built-in	130 x 250 x 170	2.6	VFD015C23A
3	2.2	4.4	16.0	11.0	1,1-13,2A	1 X BR300W070	38 ohms	Built-in	130 x 250 x 170	2.6	VFD022C23A
5	3.7	6.8	20.0	17.0	1,7-20,4A	1 X BR400W040	19 ohms	Built-in	130 x 250 x 170	2.6	VFD037C23A
7.5	5.5	10.0	28.0	25.0	2,5-30,0A	1 X BR1K0W020	14,6 ohms	Built-in	190 x 320 x 190	5.4	VFD055C23A
10	7.5	13.0	36.0	33.0	3,3-39,6A	1 X BR1K0W020	14,6 ohms	Built-in	190 x 320 x 190	5.4	VFD075C23A
15	11	20.0	52	49.0	4,9-58,84A	2 X BR1K2W6P8	13.6 ohms	Built-in	190 x 320 x 190	5.4	VFD110C23A
20	15	26.0	72	65.0	6,5-78,0A	2 X BR1K5W005	8,3 ohms	Built-in	250 x 400 x 210	9.8	VFD150C23A
25	18.5	30.0	83.0	75.0	7,5-90,0A	2 X BR1K5W005	8,3 ohms	Built-in	250 x 400 x 210	9.8	VFD185C23A
30	22	36.0	99.0	90.0	9,0-108,0A	4 X BR1K2W6P8	5.8 ohms	Built-in	250 x 400 x 210	9.8	VFD220C23A
40	30	48.0	124.0	120.0	12-144,0A	4 X BR1K5W005	4,8 ohms	2 X VFD2022	330 x 550 x 275	39.0	VFD300C23A
50	37	58.0	143.0	146.0	14,6-175,2A	8 X BR1K2W008	3,2 ohms	2 X VFD2022	330 x 550 x 275	39.0	VFD370C23A
60	45	72.0	171.0	180.0	18,0-216,0A	8 X BR1K2W6P8	3,2 ohms	2 X VFD2022	370 x 589 x 300	65.0	VFD450C23A
75	55	86.0	206.0	215.0	21,5-258A	12 X BR1K2W008	2,1 ohms	3 X VFD2022	370 x 589 x 300	65.0	VFD550C23A
100	75	102.0	245.0	255.0	25,5-306,0A	16 X BR1K2W008	1,6 ohms	4 X VFD2022	370 x 589 x 300	65.0	VFD750C23A
125	90	138.0	331.0	346.0	34,64-415,2A	16 X BR1K2W6P8	1,6 ohms	4 X VFD2022	420 x 800 x 300	87.0	VFD900C23A

C2000 SERIES VECTOR DRIVE WITH FLUX ORIENTATED CONTROL

1 ~ 475HP - 480V - NEMA 1 ENCLOSURE - UL, CUL & CE APPROVED

1 ~ 600HP - 690V - NEMA 1 ENCLOSURE - UL, CUL & CE APPROVED



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RATING HP kW	OUTPUT kVA	INPUT AMPS	OUTPUT AMPS	OUTPUT CURRENT PROTEC- TION	BRAKING RESISTORS	RESISTOR MIN. Ω	BRAKING MODULE	DIMENSIONS (MM) W X H X D	WEIGHT LBS	MODEL
PNP / NPN 480/3/60 NEMA 1										
1	0.7	2.4	4.3	3.0	0,3-3,6A	1 X BR080W750	190 ohms	Built-in	130 x 250 x 170	VFD007C43A
2	1.5	3.2	5.9	4.0	0,4-4,8A	1 X BR300W400	126,7 ohms	Built-in	130 x 250 x 170	VFD015C43A
3	2.2	4.8	8.7	6.0	0,6-7,2A	1 X BR300W250	108,6 ohms	Built-in	130 x 250 x 170	VFD022C43A
5	3.7	7.2	14.0	9.0	0,9-10,8A	1 X BR400W150	84,4 ohms	Built-in	130 x 250 x 170	VFD037C43A
5.5	4.0	8.4	15.5	10.5	1,05-12,6A	1 x BR1K0W075	54,3 ohms	Built-in	130 x 250 x 170	VFD040C43A
7.5	5.5	10	17.0	12.0	1,2-14,4A	1 X BR1K0W075	54,3 ohms	Built-in	130 x 250 x 170	VFD055C43A
10	7.5	14	20.0	18.0	1,8-21,6A	1 X BR1K0W075	47,5 ohms	Built-in	190 x 320 x 190	VFD075C43A
15	11	19	26.0	24.0	2,4-28,8A	1 X BR1K5W043	42,2 ohms	Built-in	190 x 320 x 190	VFD110C43A
20	15	25	35.0	32.0	3,2-38,4A	2 X BR1K0W016	26,20 ohms	Built-in	190 x 320 x 190	VFD150C43A
25	18.5	30	40.0	38.0	3,8-45,6A	2 X BR1K0W016	23 ohms	Built-in	250 x 400 x 210	VFD185C43A
30	22	36	47.0	45.0	4,5-54,0A	2 X BR1K2W013	23 ohms	Built-in	250 x 400 x 210	VFD220C43A
40	30	48	63.0	60.0	6,04-72,0A	4 X BR1K0W016	14,1 ohms	Built-in	250 x 400 x 210	VFD300C43A
50	37	58	74.0	73.0	7,3-87,6A	4 X BR1K2W015	12,7 ohms	1 X VFD4045	330 x 550 x 275	VFD370C43A
60	45	73	101.0	91.0	9,1-109,2A	4 X BR1K5W013	12,7 ohms	1 X VFD4045	330 x 550 x 275	VFD450C43A
75	55	88	114.0	110.0	11-132A	8 X BR1K0W5P1	9,5 ohms	2 X VFD4045	330 x 550 x 275	VFD550C43A
100	75	120	157.0	150.0	15-180A	8 X BR1K2W015	6,3 ohms	2 X VFD4045	330 x 550 x 275	VFD750C43A
125	90	143	167.0	180.0	18-216A	8 X BR1K5W013	6,3 ohms	2 X VFD4045	370 x 589 x 300	VFD900C43A
150	110	175	207.0	220.0	22-264A	10 X BR1K2W015	6,0 ohms	1 X VFD4110	370 x 589 x 300	VFD1100C43A
175	132	207	240.0	260.0	26-312A	12 X BR1K5W012	4,0 ohms	1 X VFD4160	420 x 800 x 300	VFD1320C43A
215	160	247	300.0	310.0	31-372A	12 X BR1K5W012	4,0 ohms	1 X VFD4160	420 x 800 x 300	VFD1600C43A
250	185	295	380.0	370.0	37-372A	14 X BR1K5W012	3,4 ohms	1 X VFD4185	500 x 1000 x 397	VFD1850C43A
300	220	367	400.0	460.0	46-552A	20 X BR1K2W015	3,0 ohms	2 X VFD4110	500 x 1000 x 397	VFD2200C43A
375	280	438	494.0	550.0	55-660A	24 X BR1K5W012	2,0 ohms	2 X VFD4160	700 x 1435 x 398	VFD2800C43A
425	315	491	555.0	616.0	61,6-729,2A	24 X BR1K5W015	2,0 ohms	2 X VFD4160	700 x 1435 x 398	VFD3150C43A
475	355	544	625.0	683.0	68,3-819,6A	28 X BR1K5W012	1,7 ohms	2 X VFD4185	700 x 1435 x 398	VFD3550C43A
PNP / NPN 690/3/60 NEMA 1										
40	30	43	45.0	36.0	3,6-43,2A	2 X BR1K5W107	53,5 ohms	Built-in	250 x 400 x 210	VFD300C63A
50	37	51	54.0	43.0	4,3-51,6A	4 X BR1K0W011	44 ohms	Built-in	250 x 400 x 210	VFD370C63A
60	45	65	51.0	54.0	5,4-64,8A	4 X BR1K2W033	33 ohms	1XVFDB6055	330 x 688,3 x 275	VFD450C63A
75	55	80	64.0	67.0	6,7-80,4A	4 X BR1K5W107	26,7 ohms	1XVFDB6055	330 x 688,3 x 275	VFD550C63A
100	75	93	74.0	78.0	7,8-93,6A	6 X BR1K2W133	22,1 ohms	1 X VFDB6110	330 x 688,3 x 275	VFD750C63A
125	90	123	98.0	103.0	10,3-123,6A	6 X BR1K5W107	17,8 ohms	1 X VFDB6110	370 x 715,8 x 300	VFD900C63A
150	110	147	117.0	123.0	12,3-147,6A	8 X BR1K5W107	13,3 ohms	1XVFDB6160	370 x 715,8 x 300	VFD1100C63A
175	132	166	132.0	139.0	13,9-166,8A	12 X BR1K2W133	11,1 ohms	1XVFDB6160	370 x 715,8 x 300	VFD1320C63A
215	160	229	182.0	192.0	19,2-230,4A	12 X BR1K5W107	8,9 ohms	1XVFDB6160	420 x 940 x 300	VFD1600C63A
270	200	258	205.0	216.0	21,6-259,2A	14 X BR1K5W107	7,6 ohms	1XVFDB6200	420 x 940 x 300	VFD2000C63A
335	250	316	251.0	264.0	26,4-316,8A	18 X BR1K5W012	6 ohms	2XVFDB6160	500 x 1240 x 397	VFD2500C63A
425	315	367	292.0	307.0	30,7-368,4A	24 X BR1K5W012	4,5 ohms	2XVFDB6200	500 x 1240 x 397	VFD3150C63A
530	400	488	388.0	408.0	40,8-489,6A	28 X BR1K5W027	3,85 ohms	2XVFDB6200	700 x 1745 x 404	VFD4000C63A
600	450	559	445.0	468.0	46,8-561,6A	36 X BR1K5W012	3 ohms	3XVFDB6160	700 x 1745 x 404	VFD4500C63A