

VARIDYNE™ 2**Variable Frequency Drives****APPLICATIONS:**

For use where precise open-loop speed control is required with a 3-phase induction motor; Pumps, Blowers, Fans, Conveyors, Material Handling, Hoists, Extruders, Mixers and agitators, etc.

FEATURES:

- Open Loop Vector Control - Speed or Torque
- Switching Frequency range: 3kHz - 18kHz - quiet motor operation
- Built-in EMC filter
- Output Frequency : 0-1500 Hz
- Programming of just ten parameters is typically sufficient to setup 80% of applications
- Easy Setup - all parameters for basic usage on front panel
- RS485, Modbus RTU communications port standard (RJ45 connector)
- 8 Preset Speeds
- Dynamic Braking Transistor as standard
- Fan and Pump optimization with quadratic motor flux V/Hz

110/120 VAC ±10%, Single Phase 50/60 Hz Input, 3-Phase Output

Normal Duty			Heavy Duty			Catalog Number	List	Discount Symbol	Drive Frame
Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)	Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)				
Heavy-Duty Rated Only			0.75	1	4	VFKB1100075	\$323	DS-5EV	B
			1.1	1.5	5.2	VFKB1100110	\$498	DS-5EV	B

200-240 VAC ±10%, Single Phase 50/60 Hz Input, 3-Phase Output

Normal Duty			Heavy Duty			Catalog Number	List	Discount Symbol	Drive Frame
Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)	Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)				
Heavy-Duty Rated Only			0.25	0.33	1.7	VFKA1200025	\$346	DS-5EV	A
			0.37	0.5	2.2	VFKA1200037	\$355	DS-5EV	A
			0.55	0.75	3	VFKA1200055	\$363	DS-5EV	A
			0.75	1	4	VFKA1200075	\$367	DS-5EV	A
			1.1	1.5	5.2	VFKBD200110	\$389	DS-5EV	B
			1.5	2	7	VFKBD200150	\$469	DS-5EV	B
			2.2	3	9.6	VFKBC200220	\$554	DS-5EV	B

200/240 VAC ±10%, 3-Phase Input and Output, 50/60 Hz Input

Normal Duty			Heavy Duty			Catalog Number	List	Discount Symbol	Drive Frame
Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)	Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)				
Heavy-Duty Rated Only			1.1	1.5	5.2	VFKBD200110	\$389	DS-5EV	B
			1.5	2	7	VFKBD200150	\$469	DS-5EV	B
			2.2	3	9.6	VFKBC200220	\$554	DS-5EV	B
4	5	15.5	3	3	12.6	VFK2201	\$865	DS-5EV	2
5.5	7.5	22	4	5	17	VFK2202	\$1,040	DS-5EV	2
7.5	10	28	5.5	7.5	25	VFK2203	\$1,216	DS-5EV	2
11	15	42	7.5	10	31	VFK3201	\$1,710	DS-5EV	3
15	20	54	11	15	42	VFK3202	\$2,279	DS-5EV	3
18.5	25	68	15	20	56	VFK4201	\$3,538	DS-5EV	4
22	30	80	18.5	25	68	VFK4202	\$4,195	DS-5EV	4
30	40	104	22	30	80	VFK4203	\$4,700	DS-5EV	4

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380/480 VAC ±10%, 3-Phase Input and Output, 50/60 Hz Input

Normal Duty			Heavy Duty			Catalog Number	List	Discount Symbol	Drive Frame
Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)	Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)				
0.37	0.5	1.3	0.37	0.5	1.3	VFKB3400037	\$397	DS-5EV	B
0.55	0.75	1.7	0.55	0.75	1.7	VFKB3400055	\$432	DS-5EV	B
0.75	1	2.1	0.75	1	2.1	VFKB3400075	\$464	DS-5EV	B
1.1	1.5	2.8	1.1	1.5	2.8	VFKB3400110	\$484	DS-5EV	B
1.5	2	3.8	1.5	2	3.8	VFKB3400150	\$568	DS-5EV	B
2.2	3	5.1	2.2	3	5.1	VFKC3400220	\$666	DS-5EV	C
3	3	7.2	3	3	7.2	VFKC3400300	\$762	DS-5EV	C
4	5	9	4	5	9	VFKC3400400	\$808	DS-5EV	C
7.5	10	15.3	5.5	10	13	VFK2401	\$1,240	DS-5EV	2
11	15	21	7.5	10	16.5	VFK2402	\$1,634	DS-5EV	2
15	20	29	11	20	25	VFK2403	\$1,965	DS-5EV	2
15	20	29	15	20	29	VFK2404	\$2,830	DS-5EV	2
18.5	25	35	15	25	32	VFK3401	\$3,113	DS-5EV	3
22	30	43	18.5	30	40	VFK3402	\$3,353	DS-5EV	3
30	40	56	22	30	46	VFK3403	\$4,211	DS-5EV	3
37	50	68	30	50	60	VFK4401	\$5,204	DS-5EV	4
45	60	83	37	60	74	VFK4402	\$6,254	DS-5EV	4
55	75	104	45	75	96	VFK4403	\$7,820	DS-5EV	4
75	100	138	55	100	124	VFK5401	\$9,879	DS-5EV	5
90	125	168	75	125	156	VFK5402	\$11,834	DS-5EV	5
110	150	205	90	150	180	VFK6401	\$13,770	DS-5EV	6
132	200	236	110	150	210	VFK6402	\$17,953	DS-5EV	6

575 VAC ±10%, 3-Phase Input and Output, 50/60 Hz Input

Normal Duty			Heavy Duty			Catalog Number	List	Discount Symbol	Drive Frame
Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)	Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)				
3	3	5.4	2.2	2	4.1	VFK3501	\$2,155	DS-5EV	3
4	5	6.1	3	3	5.4	VFK3502	\$2,236	DS-5EV	3
5.5	7.5	8.4	4	5	6.1	VFK3503	\$2,352	DS-5EV	3
7.5	10	11	5.5	7.5	9.5	VFK3504	\$2,496	DS-5EV	3
11	15	16	7.5	10	12	VFK3505	\$3,031	DS-5EV	3
15	20	22	11	15	18	VFK3506	\$3,447	DS-5EV	3
18.5	25	24.6	15	20	22	VFK3507	\$4,223	DS-5EV	3
22	30	36	18.5	25	27	VFK4603	\$6,501	DS-5EV	4
30	40	43	22	30	36	VFK4604	\$7,467	DS-5EV	4
37	50	52	30	40	43	VFK4605	\$8,503	DS-5EV	4
45	60	62	37	50	52	VFK4606	\$9,802	DS-5EV	4
55	75	84	45	60	63	VFK5601	\$11,313	DS-5EV	5
75	100	99	55	75	85	VFK5602	\$12,954	DS-5EV	5
90	125	125	75	100	100	VFK6601	\$14,583	DS-5EV	6
110	150	144	90	125	125	VFK6602	\$15,786	DS-5EV	6

GEN. PURPOSE SINGLE PHASE
GEN. PURPOSE THREE PHASE
SEVERE DUTY
HAZARDOUS LOCATION
C-FACE SINGLE & THREE PHASE
MULTI-SPEED THREE PHASE
INVERTER DUTY
VECTOR DUTY
DRIVES
BRAKE MOTORS
U-FRAME MOTORS
DIRECT CURRENT (DC)

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690 VAC ±10%, 3-Phase Input and Output, 50/60 Hz Input

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Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)	Typical Output (kW)	Motor Power (HP)	Max Continuous Current (A)				
18.5	25	22	15	20	19	VFK4601	\$5,332	DS-5EV	4
22	30	27	18.5	25	22	VFK4602	\$5,619	DS-5EV	4
30	40	36	22	30	27	VFK4603	\$6,501	DS-5EV	4
37	50	43	30	40	36	VFK4604	\$7,467	DS-5EV	4
45	60	52	37	50	43	VFK4605	\$8,503	DS-5EV	4
55	75	62	45	60	52	VFK4606	\$9,802	DS-5EV	4
75	100	84	55	75	63	VFK5601	\$11,313	DS-5EV	5
90	125	99	75	100	85	VFK5602	\$12,954	DS-5EV	5
110	150	125	90	125	100	VFK6601	\$14,583	DS-5EV	6
132	175	144	110	150	125	VFK6602	\$15,786	DS-5EV	6