

### KBAC Hybrid Drives



• Brand new, KB ELECTRONICS, KBAC hybrid drives. Adjustable frequency drives for motors up to 3 HP. All models have heavy duty aluminum housings rated NEMA 4X/IP65. Watertight for indoor or outdoor use. Digital drive with analog interface for easy operation. No programming needed. 200% starting torque. Serves as electronic overload protector for motor. Optional On/Off line switch and Forward/Stop/Reverse. Switch sold separately.



ITEM	Model	Mfg part #.	Input	Output HP Rating	Output Volts	Output Amps	Size	Shpg	Price
11-3671	KBAC-24D	9987	115/230 Volt AC 1 phase	1 HP	230 Volt AC 3 phase	3.6 amps	5.5" x 5.86" x 9.53"	7 lbs.	\$255.00
11-3672	KBAC-27D	9520	115/230 Volt AC 1 phase	2 HP	230 Volt AC 3 phase	6.7 amps	7.55" x 7.25" 9.8"	11 lbs.	\$382.50
11-3673	KBAC-29	10011	230 Volt AC 1 phase	3 HP	230 Volt AC 3 phase	9 amps	7.55" x 7.25" 9.8"	11 lbs.	\$405.00
11-3674	KBAC-29	9528	230 Volt AC 1 or 3 phase	3 HP	230 Volt AC 3 phase	9 amps	7.55" x 7.25" 9.8"	11 lbs.	\$386.25
11-3675	KBAC-45	9530	460 Volt AC 3 phase	3 HP	460 Volt AC 3 phase	4.6 amps	7.55" x 7.25" 9.8"	11 lbs.	\$390.00



### 3 HP Hitachi Variable Frequency Motor Drive

ITEM 11-3630  
\$229.95

• New HITACHI model WJ200-022SF-CP. Variable frequency drive for controlling speed of a three phase motor from a single phase power source. Keypad switches for Run/Stop and Speed control. Programmable acceleration and deceleration time, upper and lower frequency. Also has terminals for external logic and analog input and output. Use with standard 3 phase induction motors. No internal cooling fan, MUST be mounted to a cooled surface or heatsink to maintain temperatures below 100°F.

**SPECIFICATIONS**

- INPUT: 200-240 VAC, 1 ph. 50/60 Hz 24/22 Amps
- OUTPUT: 200-240 VAC, 3 ph.
- 0.1-400 Hz 12-11 Amps continuous 3 HP maximum
- Display 4 digit
- Terminals Screw clamp
- Size 4 1/2" x 5" x 4 1/4"
- Shpg. 5 lbs.

ITEM	Accessories	Mfg part #.	Application	Shpg	Price
11-3671-S2	FORWARD/BRAKE/REVERSE Switch	9480	(all models)	1/8 lb.	\$19.30
11-3671-S1	ON/OFF KBAC-24D	9482	KBAC-24D	1/8 lb.	\$18.50
11-3672-S1	ON/OFF KBAC-27D	9523	KBAC-27D and KBAC-29	1/8 lb.	\$32.20
11-3674-S1	ON/OFF KBAC-3PHASE	9532	KBAC-45	1/8 lb.	\$39.90



11-3425-1-A



11-3425-2-A

### Variable Frequency Motor Controls

• New TECO. Variable frequency drive for controlling speed of a three phase motor. Keypad switches for Start/Stop and Speed control. Programmable acceleration and deceleration time, upper and lower frequency. Also has terminals for external controls to reverse motor or use external potentiometer (not included) for speed control. Internal cooling fan. Use with standard 3 phase induction motors.

**SPECIFICATIONS FOR ALL**

- Display 3 digit
- Enclosure IP20
- INPUT: 200-240 VAC 50/60 Hz
- Terminals screw clamp
- OUTPUT: 0-240 VAC, 3 ph. 0-200 Hz

ITEM	Model	INPUT		OUTPUT		Size	Shpg.	Price
		Phase	Amps	Amps	HP Cont. Max.			
11-3425-1-A	L510-201-H1-U	1 OR 3	11	4.3	1	5 1/2" x 2 7/8" x 5 3/8"	3 lbs.	\$151.50
11-3425-2-A	L510-202-H1-U	1 OR 3	15.5	7.5	2	5 5/8" x 4 5/8" x 5 3/4"	3 lbs.	\$201.00

### Variable Frequency 1PH to 3PH AC Motor Control

ITEM 11-3607  
\$159.00



• New TECO model L510-101-H1-U. Variable frequency drive for controlling speed of a three phase motor from a single phase power source. Keypad switches for Start/Stop and Speed control also has frequency set dial. Line doubler circuitry allows 115 VAC input to control 230 VAC motors. Programmable acceleration and deceleration time, upper and lower frequency. Use with standard 3 phase induction motors.

**SPECIFICATIONS**

- INPUT: 100-120 VAC, 1 ph. 50/60 Hz, 19 Amps
- OUTPUT: 0-230 VAC, 3 ph. 0-200 Hz 4.3 Amps continuous
- 1 HP maximum (0.75 KW)
- Display 5 digit
- Enclosure IP20
- Terminals Screw clamp
- Size 5 1/2" x 4 5/8" x 5 3/4"
- Shpg. 4 lbs.

### Phase Converters

- Brand new PHASE-A-MATIC. Allows 3 phase electric motors to be operated on 1 phase power. Converter is wired in between motor and power line. 3 phase motors have advantages of lower current draw, simple reversing, lighter weight. These heavy duty converters are suitable for long starting, frequent starting and reversing.
- 3 phase motor will produce approx. 2/3 of its rated HP.
- Order converters by size of motor being used with it. All models are for 220 VAC power.



ITEM	Mfg Model Number	HP	Full Load Amps	Size	Shpg.	Price
11-1876	PAM-200-HD	3/4 to 1 1/2	5.2	10 1/2" x 6" x 3 1/2"	3 lbs.	\$199.50
11-1877	PAM-300-HD	1 to 3	9.6	10 1/2" x 6" x 3 1/2"	3 lbs.	\$220.50
11-1878	PAM-600-HD	3 to 5	15.2	10 1/2" x 6" x 3 1/2"	4 lbs.	\$294.00
11-3281	PAM-900-HD	4 to 8	22	9 1/2" x 5 1/8" x 3"	4 lbs.	\$325.50
11-1879	PAM-1200-HD	8 to 12	33.6	14 1/4" x 6" x 3"	5 lbs.	\$441.00
11-2048	PAM-1800-HDES	12 to 18	50	13" x 8 1/2" x 6"	21 lbs.	\$787.50