

KBG SERIES AC DRIVES

KBG series AC Drives

Performance, quality and value for open loop applications



The KBG series was developed in response to increasing customer requests for an easy-to-use, compact, cost-effective general purpose AC drive. This drive provides outstanding V/Hz and open loop vector performance up to 10 hp, has a bright, easy to read LED keypad and has an optional parameter copy device. The KBG series features an LED keypad with a speed reference potentiometer.

Quick and easy to install and configure

- 6 operator buttons make the KBG series easy to program and use
- Top ten level 1 parameters listed on the drive's front cover allows for easy on-the-spot reference for drive setup and maintenance

Enhanced motor control

- Flexible control features including 8 preset speeds, 7 stopping modes with DC injection braking and catch a spinning motor
- Quadratic motor V/Hz control optimizes multi-motor fan and pump operation.
- Dynamic motor V/Hz control optimizes energy savings
- Open loop vector control with true space vector modulation is a precise control algorithm that provides full torque down to 1 Hz
- Simple speed control for conveyors, fans, pumps, and mixers

Key data

Heavy Duty Ratings:	0.33 hp to 10 hp (0.25 kW to 7.5 kW)
Normal Duty Ratings:	0.33 hp to 10 hp (0.25 kW to 7.5 kW)
Supply phases:	Frame size 1 and 2: 110 V drives 1 ϕ , 230 V drives 1 ϕ or 3 ϕ ; Frame size 7 and larger 3 ϕ ; 460, 575 and 690 V drives 3 ϕ
Control connections:	1x Analog Input, 4x Digital I/O, 1x Relay
Drive rating:	IP21 / UL open class as standard
Keypad:	Fixed LED
Parameter cloning via:	PC tools, SD card

Voltage ratings	
100 / 120 VAC \pm 10%	✓
200 / 240 VAC \pm 10%	✓
400 / 480 VAC \pm 10%	✓

Control mode	
Open loop vector or V/Hz induction motor control	✓

BUILD-A-DRIVE™

AC Inverter Program

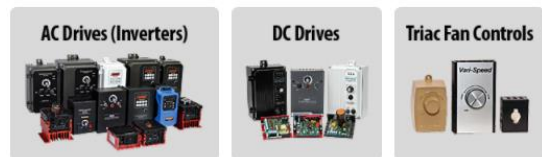
...It's Simple

- Select the basic model • Select the options
- KB installs the options and direct ships to your location
- Order from your local distributor



KB Electronics, Inc.
3235 NW 28th Street, Coral Springs, FL 33067-0516
(954) 346-4900 • Fax: (954) 346-1277 • Canada: Phone: 1-800-767-7676 • Toll Free: (800) 221-6070
info@kbelectronics.com • www.kbelectronics.com

Manufactured in the USA



How to select a drive

(Consult online catalog for complete drive information)

- Electrical Considerations
 - What is the supply voltage?
 - Single or 3 ϕ input power?
 - What is the motor rating?
 - Continuous current – FLA (Full Load Amps)
 - Select the drive based on motor Amps rather than horsepower
- Load Type (choose one)
 - Normal Duty: Peak current is 110% of drive rating (fans, pumps, etc.)
 - Heavy Duty: Peak current is 150% (mixers, conveyors, etc.)
- Drive Mechanical Mounting
 - Panel mounting – as standard
 - Wall mounting – UL conduit kits are available



Call us at: Tel: (+1)
954.346.4900



KB Electronics, Inc.
"The Right Control for Your Application"