

# KBDA

## Digital AC Drive

- Industrial Duty Die-Cast Aluminum Enclosure NEMA-4X / IP-65
- Flux Vector Compensation with Static Auto-Tune and Boost
- Available in White FDA Approved Finish
- Input 115/230/460V
- 200% Starting Torque
- Horsepower Range  
1/8 HP – 5 HP
- GFCI Compatible
- Multi-Function  
Output Relay Contacts
- UL, cUL and CE Approved
- **Build-A-Drive Options:**
  - On/Off AC Line Switch
  - Class “A” (CE) RFI Filter
  - Input/Output  
Multi-Function Module
  - Liquidtight Fittings



Automation and Control

KB Electronics, Inc.  
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## Ratings and Weights

### 115/230 VAC 1-Phase Input • 230 VAC 3-Phase Output

Model No.	Ratings		Net Weight		Case
	HP, (kW)	Amps	Lbs.	kg	
KBDA-24D	1, (0.75)	3.6	5.9	2.7	A
KBDA-27D	2, (1.5)	6.7	10.3	4.7	B

### 230 VAC 1-Phase Input • 230 VAC 3-Phase Output

Model No.	Ratings		Net Weight		Case
	HP, (kW)	Amps	Lbs.	kg	
KBDA-29 (1P)	3, (2.25)	9.0	10.3	4.7	B

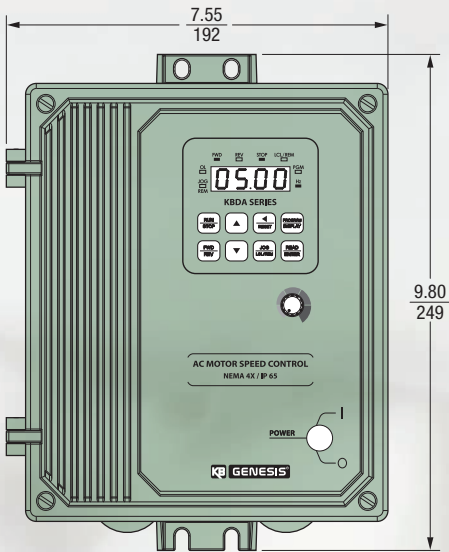
### 230 VAC 3-Phase Input • 230 VAC 3-Phase Output

Model No.	Ratings		Net Weight		Case
	HP, (kW)	Amps	Lbs.	kg	
KBDA-24P	1, (0.75)	3.6	5.9	2.7	A
KBDA-29	3, (2.25)	9.0	10.3	4.7	B

### 460 VAC 3-Phase Input • 460 VAC 3-Phase Output

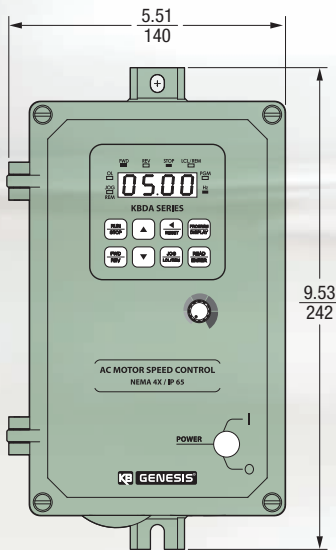
Model No.	Ratings		Net Weight		Case
	HP, (kW)	Amps	Lbs.	kg	
KBDA-42	1, (0.75)	2.0	5.9	2.7	A
KBDA-45	3, (2.25)	4.6	10.3	4.7	B
KBDA-48	5, (3.75)	8.3	10.3	4.7	B

Case "B" – (Inches/mm)



Maximum Depth:  $\frac{7.25}{184}$

Case "A" – (Inches/mm)



Maximum Depth:  $\frac{5.86}{149}$

## Specifications

Maximum Load (% of Current Overload for 2 Minutes)	150
Switching Frequency (kHz)	8, 10, 12
Output Frequency Resolution (Bits, Hz)	10, 0.06
Minimum Output Frequency to Motor (Hz)	0.3
Acceleration Time (Seconds)	0.1 – 180.0
Deceleration Time (Seconds)	0.3 – 180.0
Speed Range (Ratio)	60:1
Speed Regulation (30:1 Speed Range, 0 – Full Load) (% Base Speed)	2.5
Stalled Motor Trip Time (Seconds)	6
Braking	DC Injection
Operating Temperature Range (°C / °F)	0 – 40 / 32 – 104
Storage Temperature (°C / °F)	-25 – +85 / -13 – +185

Represented by:



**KB ELECTRONICS, INC.**

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