

## Allen-Bradley 1305 Dynamic Brake

Cat. No. 1305-KAA12  
1305-KBA03, KBA06, KBA09

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### What These Instructions Contain

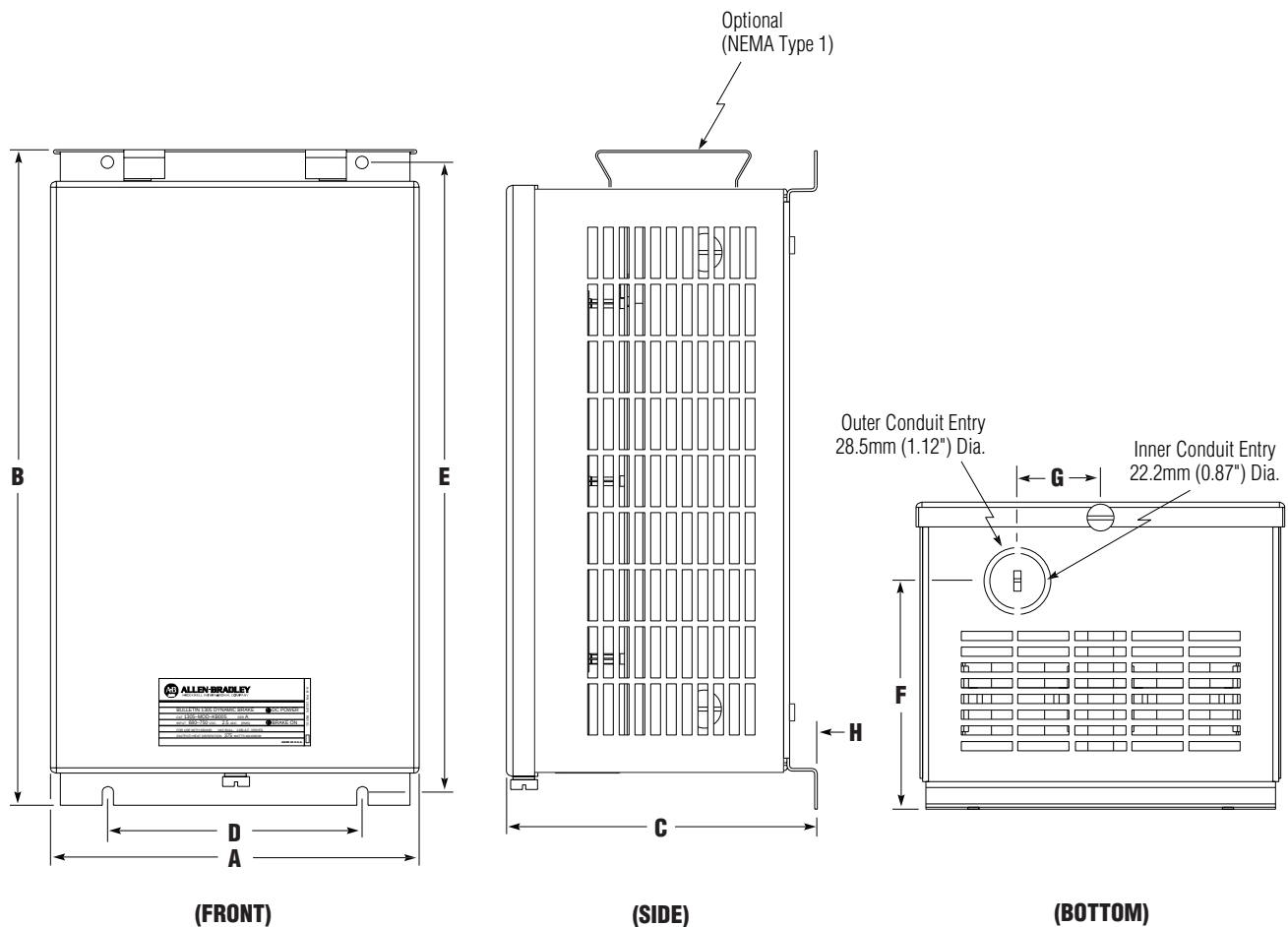
These instructions contain the necessary information to select, configure, and install dynamic braking. By completing **How to Select a Brake** first, you will be able to determine whether or not dynamic braking is required for your application.

## KBA09 Dimensions, Weights, and Conduit Entry Locations

**Important:** Dynamic brakes KAA12, KBA03 and KBA06 can be used with any 1305 drive.



**ATTENTION:** Use Dynamic Braking Model KBA09 with Series B of later 1305 Drives only. Component damage or drive failure will occur if Model KBA09 is used with Series A 1305 Drives. Braking Model KBA06 may be used on a 5HP Series A 1305 Drive (3HP braking torque maximum).



| HP | Voltage | Catalog Number    | Approximate Shipping Wt. | A Width                 | B Height                 | C Depth                 | D               | E                | F               | G              | H              |
|----|---------|-------------------|--------------------------|-------------------------|--------------------------|-------------------------|-----------------|------------------|-----------------|----------------|----------------|
| 5  | 460V AC | <b>1305-KBA09</b> | 5.9<br>(13)              | <b>184.2<br/>(7.25)</b> | <b>327.7<br/>(12.90)</b> | <b>153.9<br/>(6.06)</b> | 127.0<br>(5.00) | 315.0<br>(12.40) | 114.6<br>(4.51) | 41.4<br>(1.63) | 12.7<br>(0.50) |

## Specifications

|                            |                                                                                  |
|----------------------------|----------------------------------------------------------------------------------|
| <b>Braking Torque</b>      | 100% torque for 20 seconds (typical).                                            |
| <b>Duty Cycle</b>          | 20% (maximum).                                                                   |
| <b>Temperature</b>         | 0°C to 50°C (32°F to 122°F).                                                     |
| <b>Humidity</b>            | 0 to 95% non-condensing.                                                         |
| <b>Atmosphere</b>          | Cannot be used in atmospheres having corrosive or hazardous dust, vapor, or gas. |
| <b>Altitude Derating</b>   | 0 to 1,000 meters without derating.                                              |
| <b>Enclosure Type</b>      | IP20                                                                             |
| <b>Codes and Standards</b> | UL, cUL.                                                                         |



**ATTENTION:** Electric Shock can cause injury or death. Remove all power before working on this product.

For all dynamic brake ratings, DC brake power is supplied from the drive DC Bus.

Hazards of electrical shock exist if accidental contact is made with parts carrying bus voltage. A bus charged indicator on the drive provides visual indication that bus voltage is present. Before proceeding with any installation or troubleshooting activity, allow at least 60 seconds after input power has been removed for the bus circuit to discharge.

## Brake Fuse

All dynamic brakes are internally fused to protect brake components. When replacing the brake fuse, use only the type and size specified below. Replace the brake if the fuse blows repeatedly.

**Important:** Brakes are not repairable.

| Dynamic Brake | Fuse | Type                   | Rating    |
|---------------|------|------------------------|-----------|
| KAA12         | F1   | Gould Shawmut A60Q15-2 | 15A, 230V |
| KBA03         | F1   | Gould Shawmut A60Q10-2 | 10A, 460V |
| KBA06         | F1   | Gould Shawmut A60Q10-2 | 10A, 460V |
| KBA09         | F1   | Gould Shawmut A60Q10-2 | 10A, 460V |