



# BENSHAW

ADVANCED CONTROLS & DRIVES

# DCB3 Series

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The DCB3 series is a stand-alone DC Injection brake for stopping AC induction motors. DC Injection braking is becoming more and more required in the industry for faster process control & safety reasons. The DCB3 applies D.C. to two phases of the motor, which sets up a stationary field in the stator, which causes the rotor to align itself with the stator. . Benshaw’s DCB3 Series is simple in its design with just 7 wires to connect, and with Benshaw’s standard ruggedness fits into the most unfriendliness environment.

## Product Highlights :

- ◆ Light, Standard, & Heavy Duty Types
- ◆ Open Loop Voltage Control
- ◆ 208 – 4160 Volts
- ◆ 1 –10,000 Horsepower
- ◆ Chassis (Open type), Nema 1 – 4 Enclosure Ratings
- ◆ Adjustable – Brake Torque, Brake Time & Proximity Switch
- ◆ Semiconductor Fusing
- ◆ Braking Auxiliary Contacts 1 NO/ 1 NC Form C
- ◆ Independent Brake & Brake Inhibit Terminals
- ◆ Zero Speed Sensing
- ◆ Auxiliary Contacts 2 NO/2 NC Form C
- ◆ Interconnects To All Types of Starter Products  
e.g. Across The Line, Auto Transformer, Solid State etc
- ◆ Half Wave With Free Wheeling SCR ◆ High Efficiency Motor Rated



**Above : 300 HP Brake**

## Applications :

- |                  |                 |
|------------------|-----------------|
| ✓ Chippers       | ✓ Planners      |
| ✓ Band Saws      | ✓ Ripsaws       |
| ✓ Routers        | ✓ Shapers       |
| ✓ Cut – Off Saws | ✓ Sanders       |
| ✓ Jointers       | ✓ Gang Saws     |
| ✓ Table Saws     | ✓ Radial Saws   |
| ✓ Lathes         | ✓ Grinders      |
| ✓ Drill Press    | ✓ Tapping Heads |
| ✓ Buffers        | ✓ Boring        |
| ✓ Polishers      | ✓ Milling       |
| ✓ Presses        | ✓ Wood Hogs     |

**Below : 50 HP Brake**



## Guaranteed for Three years

Every Benshaw DC Injection Brake is Guaranteed for three full years. Other manufacturers limit their warranties to just one year. At Benshaw, we believe that, because we build them better, we guarantee them longer. We call that “the Benshaw Promise.”

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