

Series 100 Loading Accessories

Educational Training Equipment for the 21st Century

Bulletin 255-1J

BDM-100A Brushless DC Motor

General

The **Model BDM-100A** Brushless DC Motor is a general purpose adjustable speed drive. The electronic controller statistically rectifies 3 ϕ AC line power input to regulate the speed of the **BDM-100A** Brushless DC Motor. The controller is totally enclosed in a ventilated steel enclosure with clear Lexan[®] panel with silk screened nomenclature. The **BDM-100A** 3/8 HP 140VDC motor is complete with base, encoder feedback assembly, and input terminal panel.



MODEL BDM-100A
Dimensions: 13"H x 12"W x 14"D
Shipping Weight: 55 lbs.

Features

- Wide speed range without overheating
- Runs cooler at low speed than at high speeds, for a given torque
- No rotor losses
- High torque at low speed
- Performance of a DC machine without the problems of brushes (no arcing and no brush replacement)
- Longer life than conventional DC motors
- Used in textiles, machine tools, plastic extruding



MODEL WRSC-100
Dimensions: 6"H x 11"W x 9"D
Shipping Weight: 15 lbs.

WRSC-100 Wound Rotor Speed Controller

The Hampden **Model WRSC-100** Wound Rotor Speed Controller is used to introduce resistance in the rotor circuit of three-phase wound rotor motors. As the controller knob is rotated clockwise, resistance is reduced. Also contains a micro-switch that may be used as an interlock for full-resistance starting. Furnished complete with cords.



MODEL DC-ARC-100
Dimensions: 7"H x 9"W x 7"D
Shipping Weight: 15 lbs.

DC-ARC-100 DC Armature Resistance Controller

The Hampden **Model DC-ARC-100** DC Armature Resistance Controller limits armature current for DC motor starting. It may also be used as a form of limited speed control on DC series or shunt motors.



MODEL SFR-100
Dimensions: 7"H x 5"W x 4"D
Shipping Weight: 5 lbs.

SFR-100 Series Field Rheostat

The Hampden **Model SFR-100** Series Field Rheostat is a ten ohm one hundred watt rheostat. Connect in parallel with a series field to divert current from, and thus weaken, the series field.

All Hampden units are available for operation at any voltage or frequency

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