



VFD-B

User Manual

High Performance/User-Friendly Powerful AC Motor Drives



230V Series		460V Series	
0.75	37KW	0.75	75KW
1.0	50HP	1.0	100HP





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Preface

Thank you for choosing DELTA's high-performance VFD-B Series. VFD-B Series are manufactured by adopting high-quality components, material and incorporating the latest microprocessor technology available.

Getting Started

This manual will be helpful in the installation, parameter setting, troubleshooting, and daily maintenance of the AC motor drives. To guarantee safe operation of the equipment, read the following safety guidelines before connecting power to the AC drives. Keep this operating manual handy and distribute to all users for reference.



WARNING



Always read this manual thoroughly before using VFD-B series AC Motor Drives.



DANGER! AC input power must be disconnected before any maintenance. Do not connect or disconnect wires and connectors while power is applied to the circuit. Maintenance must be performed by qualified technicians.



CAUTION! There are highly sensitive MOS components on the printed circuit boards. These components are especially sensitive to static electricity. To avoid damage to these components, do not touch these components or the circuit boards with metal objects or your bare hands.



DANGER! A charge may still remain in the DC-link capacitor with hazardous voltages even if the power has been turned off. To avoid personal injury, please ensure that power has turned off before operating AC drive and wait ten minutes for capacitors to discharge to safe voltage levels.



CAUTION! Ground the VFD-B using the ground terminal. The grounding method must comply with the laws of the country where the AC drive is to be installed. Refer to Basic Wiring Diagram.



DANGER! The AC drive may be destroyed beyond repair if incorrect cables are connected to the input/output terminals. Never connect the AC drive output terminals U/T1, V/T2, and W/T3 directly to the AC main circuit power supply.



CAUTION! The final enclosures of the AC drive must comply with EN50178. (Live parts shall be arranged in enclosures or located behind barriers that meet at least the requirements of the Protective Type IP20. The top surface of the enclosures or barrier that is easily accessible shall meet at least the requirements of the Protective Type IP40). (VFD-B series corresponds with this regulation.)



CAUTION! Heat sink may heat up over 70°C (158°F), during the operation. Do not touch the heat sink.

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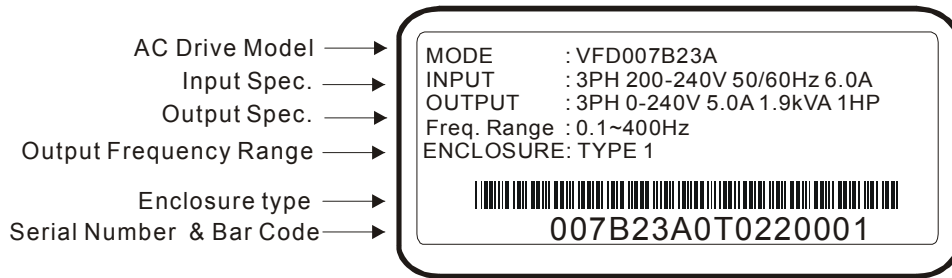
CHAPTER 1 RECEIVING AND INSPECTION

This VFD-B AC drive has gone through rigorous quality control tests at the factory before shipment. After receiving the AC drive, please check for the following:

Receiving

- ✓ Check to make sure that the package includes an AC drive, the User Manual, dust covers and rubber bushings.
- ✓ Inspect the unit to insure it was not damaged during shipment.
- ✓ Make sure that the part number indicated on the nameplate corresponds with the part number of your order.

1.1 Nameplate Information: Example for 1HP/0.75kW 3-phase 230V AC drive



1.2 Model Explanation:

