

Information and Precautions

Chapter 1 provides information on the general intent of this manual, gives an overall description of the 1336 PLUS II Adjustable Frequency AC Drive and provides a listing of key drive features.

Manual Objectives

This publication provides planning, installation, wiring and diagnostic information for the 1336 PLUS II Drive. To assure successful installation and operation, the material presented must be thoroughly read and understood before proceeding. Particular attention must be directed to the Attention and Important statements contained within.

For J Frame information, refer to publication 1336F-IN014.

Software Compatibility

Three-Phase Drive Rating ¹			Compatible with Version . . .	Frame Reference
200-240V	380-480V	500-600V		
0.37-0.75 kW 0.5-1 HP	0.37-1.2 kW 0.5-1.5 HP	–	1.0 & Up	A1
1.2-1.5 kW 1.5-2 HP	1.5-2.2 kW 2-3 HP	–	1.0 & Up	A2
2.2-3.7 kW 3-5 HP	3.7 kW 5 HP	–	1.0 & Up	A3
5.5 kW 7.5 HP	5.5-15 kW 7.5-20 HP	0.75-15 kW 1-20 HP	1.0 & Up	A4
5.5-11 kW 7.5-15 HP	11-22 kW 15-30 HP	–	1.0 & Up	B1/B2
15-22 kW 20-30 HP	30-45 kW 40-60 HP	18.5-45 kW 25-60 HP	1.0 & Up	C
30-45 kW 40-60 HP	45-112 kW 60-150 HP	56-93 kW 75-125 HP	1.0 & Up	D
56-93 kW 75-125 HP	112-187 kW 150-250 HP	112-224 kW 150-300 HP	1.0 & Up	E
–	187-336 kW 250-450 HP	261-298 kW 350-400 HP	1.0 & Up	F
–	187-448 kW 250-600 HP	224-448 kW 300-600 HP	1.0 & Up	G

¹ kW and HP are constant torque.

General Precautions



ATTENTION: This drive contains ESD (Electrostatic Discharge) sensitive parts and assemblies. Static control precautions are required when installing, testing, servicing or repairing this assembly. Component damage may result if ESD control procedures are not followed. If you are not familiar with static control procedures, reference A-B publication 8000-4.5.2, “Guarding Against Electrostatic Damage” or any other applicable ESD protection handbook.



ATTENTION: An incorrectly applied or installed drive can result in component damage or a reduction in product life. Wiring or application errors, such as, undersizing the motor, incorrect or inadequate AC supply, or excessive ambient temperatures may result in malfunction of the system.



ATTENTION: Only personnel familiar with the 1336 PLUS II Adjustable Frequency AC Drive and associated machinery should plan or implement the installation, start-up and subsequent maintenance of the system. Failure to comply may result in personal injury and/or equipment damage.



ATTENTION: To avoid a hazard of electric shock, verify that the voltage on the bus capacitors has discharged before performing any work on the drive. Measure the DC bus voltage at the + & - terminals of TB1. The voltage must be 0.0V DC.

Conventions Used in this Manual

To help differentiate parameter names and display text from other text the following conventions will be used:

- Parameter Names will appear in [brackets]
- Display Text will appear in “quotes”

Catalog Number Explanation

The diagram on the following page describes the 1336 PLUS II catalog numbering scheme.