



Installing, Starting Up, and Troubleshooting AC Variable Speed Drives

Course Code: CCA142

Duration: 2 Days

Course Purpose:

This course provides students with the skills necessary to install a PowerFlex 70 and PowerFlex 700 drive, program it according to specifications, install and configure a communication adapter and learn valuable troubleshooting techniques.

Throughout the course, the instructor will demonstrate how to install, start up, and troubleshoot a PowerFlex 70/700 drive. After each demonstration, the student will be given an application-based exercise that offers extensive hands-on practice using the LCD HIM and DriveExecutive software.

Hands-on practice is an integral part of learning and this course offers extensive hands-on opportunities. An in-class workstation allows students immediately to apply the knowledge they learn to real-world situations.

Who Should Attend:

Individuals who need to install, start up, or troubleshoot a PowerFlex 70/700 drive should attend this course.

Topic Outline:

- Identifying AC induction motor components
- Identifying AC drive electrical components
- Recognising PowerFlex 70/700 Drive Hardware
- Replacing a PowerFlex 70/700 Drive
- Modifying and Monitoring PowerFlex 70/700 Drive Parameters using the HIM module
- Modifying and Monitoring PowerFlex 70/700 Drive Parameters using DriveExecutive software
- Configuring the PowerFlex 70/700 Drive for Full Start Up
- Configuring the PowerFlex 70/700 Drive for communication with a ControlLogix controller
- Troubleshooting a PowerFlex 70/700 Drive system Common configuration issues
- Troubleshooting a PowerFlex 70/700 Drive System Resolving Faults and Alarms
- Troubleshooting a PowerFlex 70/700 Drive System Hands on practice

Prerequisites:

To successfully complete this course, students require a general knowledge of electrical principles, circuits, and safety practices.

For further information contact your local
NHP Representative or visit nhp.com.au

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our designated Area of
Primary Responsibility (APR).
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Student Materials:

To enhance and facilitate your learning experience, a student manual, which contains the key concepts, definitions, and examples presented in the course and includes the hands-on exercises is provided to each student as part of the course package.

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