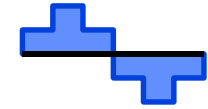


The AF Drive Installation Environment

Drive Compatibility is often the Key to Success

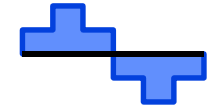
- Assuring that the drive is compatible with its installation environment is an essential element of a successful application.
 - Adverse environmental factors can compromise a drive's performance, shorten its life or lead to excessive downtime.
 - Some operating characteristics of a drive can interfere with the operation of other equipment, contribute to reduced equipment life or increase downtime.
- Assuring Compatibility
 - Select drive components, options and accessories with suitable specifications.
 - Follow the manufacturer's installation instructions.
 - Comply with applicable codes and standards.
 - Acquire the latest information on areas of special concern and review carefully.



The AF Drive Installation Environment

Areas of Compatibility Concern

- Power Distribution System
 - Supply voltage disturbance effects on drive
 - Harmonic content of drive input current
 - Drive efficiency and power factor
- Electromagnetic Field Environment
 - Emissions from drive effecting other equipment
 - Emissions from other equipment effecting drive
- Motor and Motor Wiring
 - Voltage stress in motor windings
 - Motor shaft voltages and bearing currents



The AF Drive Installation Environment

Areas of Compatibility Concern

- Atmospheric Environment
 - Ambient temperature, altitude, humidity, contaminants
 - Acoustical noise
- Enclosure Mounting
 - Shock and vibration
- Control Circuit Interface