

**DESCRIPTION**

The **GEFCO Select #EEACS550 Variable Frequency Drive** is provided to gain control of display and filter pump motors for the purpose of adding wind control functions and or spray height control to fountain control systems. This controller allows for extreme rapid deceleration of pump motor speeds to lower RPM settings for energy savings in the operation of fountain systems during adverse weather conditions and/or programmed fountain control through control of the motors using frequency modulation and torque control. They are provided in various voltages and/ or motor sizes depending on pressure control in the fountain system. They can communicate with other digital devices and amongst them selves in the most modern of open architecture communications protocols such as RS232, RS232, RS485, PROFI-Bus and other platforms.

**TYPICAL SPECIFICATIONS:**

- \* **GEFCO Select #EEACS550** Variable Speed Motor Controller:
  - U.L. Listed
  - NEMA 1 (or NEMA3,4 or 12) - specify enclosure.
  - Voltage (208V or 460V) 3 phase (specify) 50/60 Hz (specify)
  - X.X Horse Power (specify up to 550HP).
  - Rated for 40 deg. Celsius continuous operation.
  - (50 Degree Celsius Rating optional)
  - Minimum 1600 V Input Diodes
  - 6 ea. 24VDC digital inputs.
  - 2 ea. analog (0-10VDC or 4-20mA) selectable inputs.
  - 2 ea. analog (4-20mA) output.
  - 3 programmable relay outputs.
  - RS232, RS422 or RS485 COM ports
  - Baud rate: 1,200 to 19,200 bit/ sec.
  - deceleration rate required: 0.1 sec.
  - Removable Digital Key Pad
  - INTEGRAL 5% Impedance Dual DC link reactors for transient protection and harmonics mitigation.
  - Built-in real time clock for time stamping of events.
  - Built-in documentation storage of events.

**Options:**

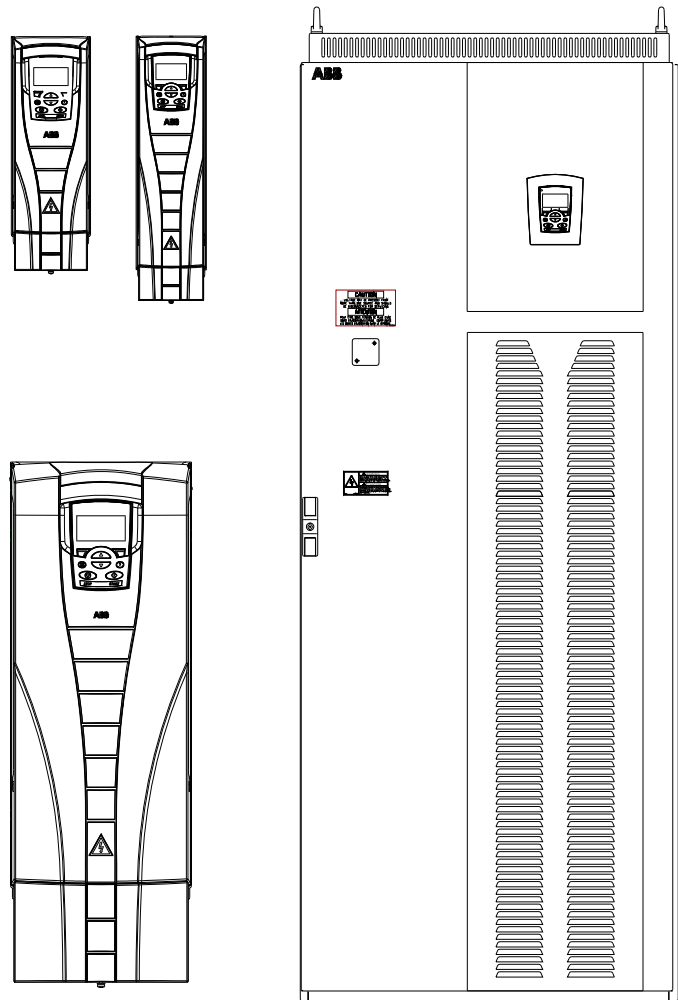
- Bypass contactor control system w/ main disconnect.
- PROFI-Bus interface (add on)
- NEMA 3 enclosure
- NEMA 4/12 Enclosure

**Replacement Parts:**

- A Cooling Fan

**IMPORTANT**

*Dimensions and/or Materials subject to change without notice*



**LISTED**

**IMPORTANT**

*The designers, installers and end users utilizing the electrical equipment described herein assume full responsibility for the compliance with the N.E.C and it's applicable articles, intents and consequences. Where the manufacturer and/or the supplier of the electrical equipment described herein does not control the application or usage, he assumes no responsibility whatsoever for any consequences arising out of the application, installation and/or usage of this or any other equipment and/or materials*