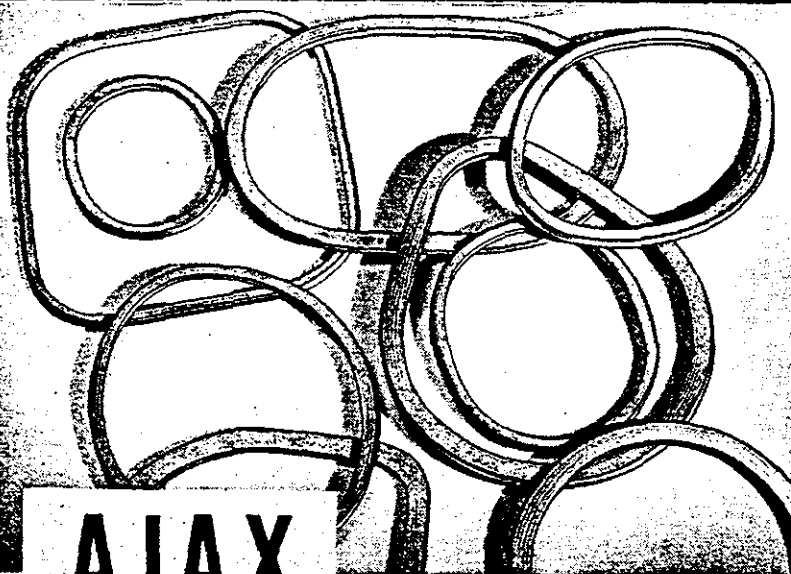


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Begins on page 152

power supply are presented. Probably the greatest advantage of a packaged adjustable-voltage drive is that all the equipment required to supply the adjustable voltage is mounted in a single, ventilated enclosure. The ac drive motor, starter, start-stop pushbutton, dc generator and control panel are mounted in the enclosure complete with connections. Thus, the user need only wire the unit to the ac supply and make the connections to the dc motor and control station.

Simplicity of installation of the package unit makes it well suited for spot conversion. When laying out a new plant the ac wiring need be the only electrical consideration. If a machine is installed requiring a dc supply, a packaged adjustable-voltage drive may be specified and the dc supply along with the required control is obtained in a single unit. A packaged adjustable-voltage motor-generator set can also be used for constant-voltage supply to provide additional capacity for an existing dc system or to provide the only dc source in a small plant.

A packaged adjustable-voltage drive is well suited for applications requiring a wide range of operating-speeds non-trolled by the operator. It can provide close speed control, smooth acceleration and deceleration and rapid stops by dynamic or regenerative braking.

Package drives are not limited to obtaining adjustable speed. Many control functions may be built into them while proving all their other advantages. If auxiliary control is required it can be supplied on the panel with the rest of the control. This makes it possible to complete the connection for the entire unit and eliminates the need for extra control panels and enclosures. *AIEE conference paper. Can be obtained from the author.*

Directions for ordering papers on p 154

The Electronic Packaged Drive. By E F Kubler, General Electric Co. Schenectady, N. Y.

Electronic adjustable-speed motor controls have proved themselves in hundreds of industrial applications. Because of the ever widening demand for precise control of reasonable cost, standard electronic package drives are available in a range from fractional to over 30 hp. These small compact drives are used on office machinery, machine tools, automatic display stands and many other applications. Electronic drives have the following advantages.

1. Compactness and light weight make them suitable for most applications.

