

# ELEVATOR CONTROL APPLICATIONS

## Jefferson Electric offers a full line of Drive Isolation Transformers, Auto-Transformers, DC Ripple Filters and Armature Chokes

### Product

- Drive Isolation Transformers 3kVA to 990kVA
- DC Ripple Filters and Armature Chokes
- Control Transformers
- Auto Transformers

### Applications

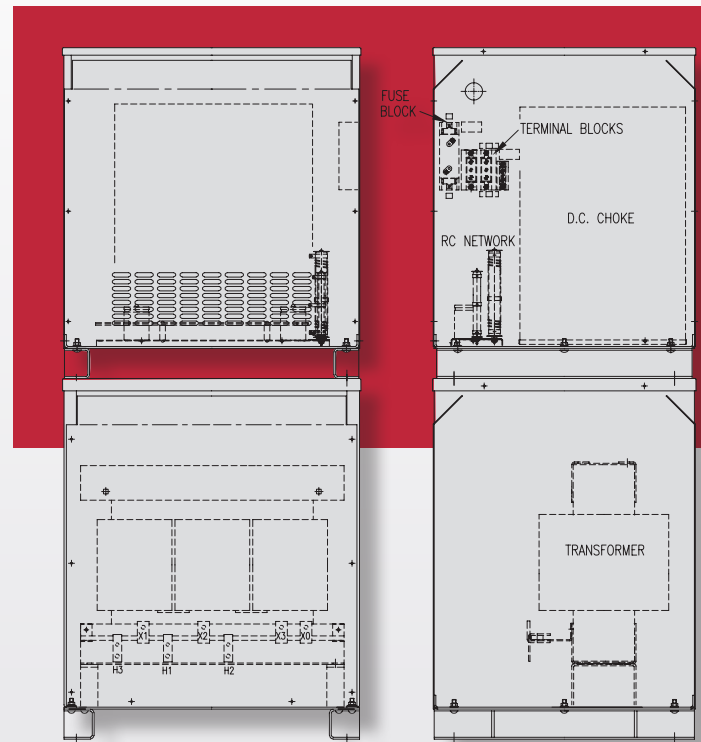
Jefferson Electric has become the expert in design and manufacture of products to meet the rigorous demands of elevator applications. Choose from pre-engineered industry products or work with us on custom designed solutions.

### Drive Isolation Transformer Specifications

- NEMA 1 rated enclosures
- Three-Phase Encapsulated 3 through 11 kVA
- Three-Phase Ventilated 14 through 990 kVA
- 60 Hz operation
- Aluminum windings
- K-4 rating
- 150°C temperature rise
- 220°C insulation class units
- Heat-cured ASA-61 gray powder coat finish
- Cores of high quality electrical steel
- Primary taps

### Features, Functions, Benefits

- Large connection compartment for ease of wiring and installation
- Stackable enclosures available
- Complete kVA range to cover standard drive systems
- Internally braced for short circuit stress protection
- Low impedance for better voltage regulation
- Low flux density to minimize core saturation
- Quiet operation for installation flexibility
- Seismic certification for all units



### Standards

- Built in accordance with NEMA, ANSI, and UL standards
- UL, cUL and CSA approvals

### Options and Accessories

Consult factory for more information

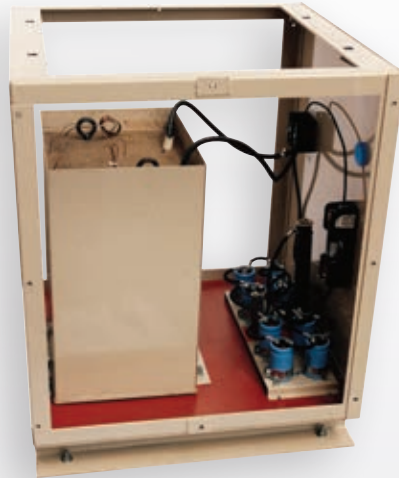
- 50/60 Hz optional
- Other sizes, voltages and temperature rises available
- Copper windings
- Tap arrangements provided to compensate for input voltage variation
- Wall mount brackets available through 75 kVA

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## Related products

### DC Ripple Filters and Armature Chokes

- Chokes designed for elevator peak current requirements without saturation
- Filters have adjustable capacitors to easily regulate tuning to site conditions
- Stackable or stand-alone configurations for added installation flexibility
- Full encapsulation makes Jefferson chokes the quietest in the industry
- Standard ripple filter packages match a broad range of motors



### Control Transformers

- Industry rated control transformers provide input power to car controllers or brake and field rectifiers.
- Handles the high in-rush current of electromagnetic devices
- Designed with high regulation to prevent excessive voltage drop to sensitive electronics

### Auto-Transformers

- Step voltages up or down to match existing distribution voltage to AC drive requirements
- Cost-effective alternative to isolation transformers
- Smaller and easier to mount than isolation transformers

