



## Danfoss Packaged Drive Solutions Electro-Mechanical Bypass

Flexibility is the key to Danfoss packaged drive solutions. Through our unique feature-rich standard packages, Danfoss supplies the product to meet the application. Our packaged solutions are all manufactured in our own UL-certified facilities—without outsourcing—and supported by the same stringent manufacturing standards and warranties as VLT Series drive products. Being your single source supplier of both VFDs and packaged solutions is just one more way that Danfoss reduces your total cost of ownership.

### Performance ranges

208 V: ½ to 60 HP

460 V or 600 V: ½ to 350 HP

### Enclosures

NEMA/UL Type 1 and 12

### Typical Package Options

- Two-contactor bypass
- Three-contactor bypass
- Contactor motor selection
- Dual motor operation
- Main input disconnect
- Main input fusing
- Main input circuit breaker
- Drive only input fusing
- Input AC line reactors
- Output dV/dt filters
- 100,000 amp short circuit current rated packages





EMB2 is a traditional Electro-Mechanical Bypass packed with performance and features:

## Features

- **Coordinated Run Permissive** in both drive and bypass. A command to start the motor (regardless of operating mode) does not start the motor, but instead activates a relay used to actuate another device. Confirmation from this device then starts the motor.
- **Automatic bypass** operation selectable and programmable, including adjustable time delay
- **Common start/stop** selectable operation in drive and bypass mode, regardless of the command source
- **Firefighter's Override Mode** runs the motor in bypass, ignoring stop commands

### Door-mounted operators

- Drive-Off-Bypass selector
- Bypass pilot light indication
- Test selection added with three-contactor bypass units



## Enhanced performance and protection

### Class 20 overload standard

- Phase loss / imbalance protection
- Motor protection in bypass
- Wide range of trip settings

### 24 VDC switch mode power supply

- Maintains contactor operation in low voltage or phase loss condition, allowing continued operation despite loss of any single input phase
- Eliminates contactor dropout on voltage conditions as low as 70% of nominal voltage

### Drive input fuses supplied with every panel

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