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**PRODUCT:** 3G3MX Series AC Drives  
**TYPE:** Product Release

## 3G3MX Series AC Drives Offer Open Loop Vector Control for High Starting Torque Applications up to 10 HP

Omron's new 3G3MX Series AC Drives provides easy operation through OEM-friendly features such as removable operator and terminal blocks, side-by-side mounting and built-in dynamic braking circuits. This environmentally friendly product is available in single and three phase 240V and three phase 480V models, up to ten horsepower. The PWM algorithm employed by the 3G3MX utilizes micro-surge voltage suppression that allows it to be used with motors that are not rated for AC Drive duty service. Programming the 3G3MX is simple, using the built-in potentiometer and new menu-organized structure.



### Key Features and Benefits

- **Open Loop Vector Control and V/Hz control** for all general-purpose and moderate to high performance applications such as mixers, compressors and conveyors
- **Side-by-side mounting** reduces panel space requirements
- **Removable digital operator**
- **Start high inertia loads** with 200% starting torque at 1Hz in vector mode
- **Built-in RS-485 Modbus** communications
- **Removable control terminals** simplify replacements and upgrades
- **Micro-surge Voltage Suppression** reduces motor burn out, allows use of most general purpose induction motors
- **Stall prevention** feature limits over-current conditions
- **Over-current and Overvoltage trip suppression** reduces nuisance tripping
- **Restart function** allows automatic recovery from momentary power loss
- **Built-in PID function** eliminates the need for external controller
- Optional CE filter
- RoHS compliant
- **Wide selection of models:**
  - ¼ to 3 hp, 240 VAC single phase
  - ¼ to 10 hp, 240 VAC 3-phase
  - ½ to 10 hp, 480 VAC 3-phase

### Typical Applications

- |             |               |                     |
|-------------|---------------|---------------------|
| ■ Conveyors | ■ Mixers      | ■ Material Handling |
| ■ Fans      | ■ Compressors | ■ Printing          |
| ■ Pumps     | ■ Packaging   | ■ Bottling          |

### Get More Information

Ask for Omron's AC Drives Brochure (Cat. No. I20I-E-01) or [click here](#) to view it on-line.