



AC Drive Modules



Rectifier & Inverter Modules

AC Drive Kits

Packaged AC Drives



Unidrive M: 150 HP to 4,200 HP

Unidrive M: High Horsepower Solutions

150 HP - 4,200 HP (110 kW - 2.8 MW)
230 V | 460 V | 575 V | 690 V

CONTROL TECHNIQUES™

Nidec
All for dreams

AC Drive Kits

Unidrive M Modular drive kits include M000 power modules, Mxxx controllers, line and load reactors, fuses and fuse blocks. xxx = 600, 700, 701, 702. See the chart below for order codes, dimensions and weights.

This is an Americas only market offering.

AC Input, AC Output Drive Module Kits* - 6 Pulse Input

380/480 Vac +/-10%

| Normal Duty | | Heavy Duty | | Unidrive M Model Order Code - includes DB Transistor | | | | Drive Model | Drive dimensions ea. H x W x D (in) | Weight ea. (lbs) |
|-------------|------|------------|------|--|------------|------------|------------|----------------|-------------------------------------|------------------|
| HP | Amps | HP | Amps | M600 | M700 | M701 | M702 | | | |
| 200 | 255 | 150 | 211 | M600-211A | M700-211A | M701-211A | M702-211A | 09402240E | 42.1 x 12.2 x 11.4 | 101.4 |
| 300 | 361 | 250 | 307 | M600-307A | M700-307A | M701-307A | M702-307A | 10403200E | 42.1 x 12.2 x 11.4 | 101.4 |
| 400 | 460 | 350 | 415 | M600-415A | M700-415A | M701-415A | M702-415A | 11404640E | 48.9 x 12.2 x 12.3 | 138.9 |
| 500 | 608 | 450 | 513 | M600-513A | M700-513A | M701-513A | M702-513A | 10402700E (x2) | 42.1 x 12.2 x 11.4 | 101.4 |
| 700 | 830 | 600 | 716 | M600-716A | M700-716A | M701-716A | M702-716A | 11403770E (x2) | 48.9 x 12.2 x 12.3 | 138.9 |
| 800 | 874 | 700 | 788 | M600-788A | M700-788A | M701-788A | M702-788A | 11404640E (x2) | 48.9 x 12.2 x 12.3 | 138.9 |
| 1000 | 1245 | 900 | 1074 | M600-1074A | M700-1074A | M701-1074A | M702-1074A | 11403770E (x3) | 48.9 x 12.2 x 12.3 | 138.9 |

Consult factory for availability.

*Modular drive kits include M000 power modules, Mxxx controllers, line and load reactors, fuses and fuse blocks. xxx = 600, 700, 701, 702. Ratings are at 3 kHz switching frequency. For ratings other than 3 kHz refer to appropriate Power Installation Guide.

Drive dimensions include surface mounting brackets.

AC Drive Modules

Unidrive M includes large single AC drives in frames 9A, 9/10E*, and 11E*. The Unidrive M family of AC/Servo drives deliver four function-focused drive models above 150 HP, all with superior motor performance and an individual feature-set to best match the customer's application and system connectivity needs. Easily create faster, more productive systems, with reduced development time and countless possibilities within the Machine Automation industry.

*External line reactors are required.

Rectifier & Inverter Modules

Unidrive M rectifier and inverter modules can be paralleled into a wide range of flexible solutions to solve all system needs including Active Front End and multi-pulse rectifier configurations. The frame 11 is a 400 HP (250 kW) module that allows system builders to create high power solutions with the smallest number of components, keeping both footprint and costs to a minimum. Unidrive M can control asynchronous and permanent magnet motors in systems up to 4,200 HP (2.8 MW).

Refer to the Unidrive M: High Power Modular AC Drives brochure for more information.

Packaged AC Drives

Control Techniques solutions offer a wide variety of enclosure, power and control option configurations to meet even the most demanding application requirements.

These engineered solutions are fully tested and backed by complete engineering documentation and drawings as well as robust after-sale support programs. The result is a single-source solution with single-source accountability.

Refer to the Large Packaged AC Drive Solutions flier (FLI-LPGK) for more information.

www.controltechniques.com