

YASKAWA

U1000 CONFIGURED

INDUSTRIAL MATRIX DRIVE UL TYPE 1 PACKAGE



U1000 Industrial Matrix Configured
UL Type 1 Drive Package

INPUT CURRENT WHAT DO YOU WANT?

Voltage is typically
supplied as a sine wave



When current is not the same,
its waveform is non-linear



The ideal input
current waveform
matches the voltage



U1000 CONFIGURED UL TYPE 1 PACKAGES

U1000 configured packages provide best-in-class value, combining reliability, performance, and ease of use into one package.

KEY BENEFITS

- ✓ Industry-leading low input current harmonics facilitates IEEE 519 compliance
- ✓ Industry-leading low speed/load input current harmonics performance
- ✓ Eliminate harmonics with embedded across-the-line functionality
- ✓ 100% continuous regeneration maximizes payback, minimizes operational cost
- ✓ Near unity true power factor at full load for optimum efficiency
- ✓ Industry-leading efficiency at all speeds and loads, minimizing operational costs
- ✓ Future-ready with permanent magnet motor control
- ✓ Minimize downtime with integral functional drive safety (SIL3 and PLe)
- ✓ Integrated input fusing provides inherent device protection with a 100 kA SCCR
- ✓ Industry-leading MTBF (> 28 years)

FEATURES

- Door mounted keypad
- Disconnect
- 104°F/40°C maximum ambient temperature
- UL Listed

OPTIONS

- Output Reactor
- Circuit breaker

MODELS AND DIMENSIONS

480 V UL Type 1 Enclosure

| Base Model Number U1E1□□□□ | Normal Duty | | Heavy Duty | | Dimensions (inches) | | | Weight (lb) ^{*1} |
|-------------------------------|-------------|------|------------|------|---------------------|------|------|------------------------------|
| | HP | Amps | HP | Amps | H | W | D | |
| B011 | 7.5 | 11 | 5 | 9.6 | 48.0 | 22.2 | 19.4 | 200 |
| B014 | 10 | 14 | 7.5 | 11 | | | | 210 |
| B021 | 15 | 21 | 10 | 14 | | | | 210 |
| B027 | 20 | 27 | 15 | 21 | | | | 270 |
| B034 | 25 | 34 | 20 | 27 | | | | 270 |
| B040 | 30 | 40 | 25 | 34 | 60.0 | 22.0 | 22.0 | 285 |
| B052 | 40 | 52 | 30 | 40 | | | | 315 |
| B065 | 50 | 65 | 40 | 52 | | | | 325 |
| B077 | 60 | 77 | 50 | 65 | | | | 340 |
| B096 | 75 | 96 | 60 | 77 | | | | 425 |
| B124 | 100 | 124 | 75 | 96 | 60.0 | 30.0 | 21.3 | 440 |
| B156 | 125 | 156 | 100 | 124 | | | | 765 |
| B180 | 150 | 180 | 125 | 156 | 84.2 | 41.3 | 33.0 | 810 |
| B240 | 200 | 240 | 175 | 216 | | | | 990 |
| B302 | 250 | 302 | 200 | 240 | | | | 1440 |
| B361 | 300 | 361 | 250 | 302 | 84.1 | 69.8 | 31.7 | 1575 |
| B414 | 350 | 414 | 300 | 361 | | | | 1620 |

*1: Horsepower rating is based on standard NEMA B, 4-pole motor design as represented in NEC table 430.150 Full-Load Current, Three-Phase Alternating Current Motors at 460 volts.

For further details, visit the U1000 Industrial Configured product page at <https://www.yaskawa.com/u1000configured>

IT'S PERSONAL

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