

# YASKAWA

# U1000 CONFIGURED

## INDUSTRIAL MATRIX DRIVE UL TYPE 3R PACKAGE



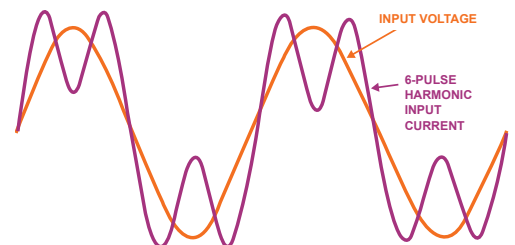
*We've combined our award-winning regenerative, low harmonic Matrix Drive with our industry-leading Type 3R outdoor panel design.*



U1000 Industrial Matrix Configured  
UL Type 3R Drive Package

### WHY ARE HARMONICS IMPORTANT?

Harmonics distort the input voltage on power lines, which affects the electrical system in various ways. Harmonics can overheat power wires and transformers or cause erratic operation of other electrical loads. When these situations occur, it opens the door for downtime and expensive repairs.



# U1000 CONFIGURED UL TYPE 3R PACKAGES

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

## SPECIFICATIONS

U1000 Configured UL Type 3R	
Line Voltage	380 to 500 VAC 3-phase
Power Rating	7.5 to 350 HP
Voltage Tolerance	-15 to +10%
Line Frequency	50/60 Hz
Frequency Tolerance	±3 Hz
Harmonic Distortion	5% or less; facilitates IEEE 519 compliance
Input Power Factor	0.98 or more (during rated operation)
Overload	150%/120% for 60 seconds
Ambient Operating Temperature	14° to 122°F (-10° to 50°C)
Certifications	UL, RoHS

## MODELS AND DIMENSIONS

### 480 V UL Type 3R Enclosure\*1

Base Model Number U1E3□□□□	Normal Duty		Heavy Duty		Dimensions (inches)			Weight (lb)
	HP *2	Amps	HP *2	Amps	H	W	D	
B011	7.5	11	5	9.6	37.9	28.5	20.8	197
B014	10	14	7.5	11				197
B021	15	21	10	14				199
B027	20	27	15	21				200
B034	25	34	20	27				202
B040	30	40	25	34	44.9	31.2	23.2	260
B052	40	52	30	40				261
B065	50	65	40	52				275
B077	60	77	50	65				276
B096	75	96	60	77	54.2	34.8	24.4	417
B124	100	124	75	96				433
B156	125	156	100	124	92.0	41.2	47.3	909
B180	150	180	125	156				916
B240	200	240	175	216				1079
B302	250	302	200	240	92.0	41.2	47.3	1590
B361	300	361	250	302				1607
B414	350	414	300	361				1627

\*1: Enclosure sizes vary when adding 50C and output reactor options. Contact Yaskawa for more information.

\*2: 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.



## STANDARD FEATURES

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

## POWER OPTIONS

- Output reactor
- Circuit breaker (Service Entrance Rated)
- RayCap brand surge arrester
- Space heater
- 122°F/50°C maximum ambient temperature
- Motor power terminal block

## CONTROL OPTIONS

- Keypad viewing window
- Door Mounted Hand-Off-Auto Switch
- Door Mounted Speed Pot

IT'S PERSONAL

**YASKAWA**

Yaskawa America, Inc. 1-800-YASKAWA | Email: info@yaskawa.com | yaskawa.com  
Document No. FL.U1000C.02 | 05/18/2021 | © 2021 Yaskawa America, Inc.