YASKAWA

U1000 CONFIGURED

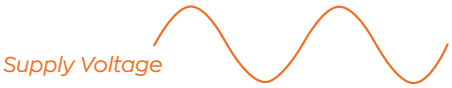
INDUSTRIAL MATRIX DRIVE
UL TYPE 1 AND UL TYPE 12 PACKAGE

MATRIX

U1000 Industrial Matrix
UL Type 1 and UL Type 12
Configured Drive Packages

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

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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

*: Available on UL Type 1 packages

MODELS AND DIMENSIONS

480 V UL Type 1 and UL Type 12 Enclosures

Normal Duty		Heavy Duty		UL Type 1 Models					UL Type 12 Models				
				Base Model Number	Dimensions (inches)			Weight (lb) *1	Base Model Number	Dimensions (inches)			Weight (lb) *1
HP *2	Amps	HP *2	Amps	U1E1□□□□	H	W	D		U1E2□□□□	H	W	D	
7.5	11	5	9.6	B011	48.0	22.2	19.4	200	B011	40.2	23.3	19.1	214
10	14	7.5	11	B014	48.0	22.2	19.4	210	B014	40.2	23.3	19.1	214
15	21	10	14	B021	48.0	22.2	19.4	210	B021	40.2	23.3	19.1	215
20	27	15	21	B027	60.0	22.0	22.0	270	B027	40.2	23.3	19.1	215
25	34	20	27	B034	60.0	22.0	22.0	270	B034	47.0	27.3	21.6	269
30	40	25	34	B040	60.0	22.0	22.0	285	B040	47.0	27.3	21.6	296
40	52	30	40	B052	60.0	22.0	22.0	315	B052	47.0	27.3	21.6	300
50	65	40	52	B065	60.0	22.0	22.0	325	B065	47.0	27.3	21.6	308
60	77	50	65	B077	60.0	22.0	22.0	340	B077	47.0	27.3	21.6	311
75	96	60	77	B096	60.0	30.0	21.3	425	B096	56.2	33.3	27.0	481
100	124	75	96	B124	60.0	30.0	21.3	440	B124	56.2	33.3	27.0	485
125	156	100	124	B156	84.2	41.3	33.0	765	B156	84.0	37.9	26.9	888
150	180	125	156	B180	84.2	41.3	33.0	810	B180	84.0	37.9	26.9	897
200	240	175	216	B240	84.2	41.3	33.0	990	--	--	--	--	--
250	302	200	240	B302	84.1	69.8	31.7	1440	--	--	--	--	--
300	361	250	302	B361	84.1	69.8	31.7	1575	--	--	--	--	--
350	414	300	361	B414	84.1	69.8	31.7	1620	--	--	--	--	--

*1: This data represents the drive weight only, not shipping weight.
*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.

IT'S PERSONAL

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