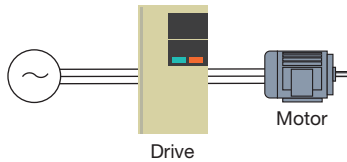
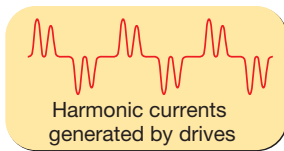


Safe and Reliable Support

Reduce the influence of harmonic currents on precision equipment and facilities.

Hospitals, data centers, and public facilities all have various types of precision equipment. Interference with this precision equipment can affect your entire facility.



Note: 1. Normally, AC/DC reactors or other solutions are added to suppress harmonic currents.
2. Some facilities require an input current distortion of 5% or less.

Drives generate harmonic currents.

Malfunction in precision equipment and facilities is a concern.

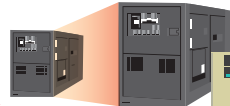
- Malfunction and failure to precision equipments
- Flickering of lights and TV



Harmonic current solutions are necessary.

The capacity of generator as a solution of power loss increase bigger and bigger.

At least more than 4 times of rated capacity is required.



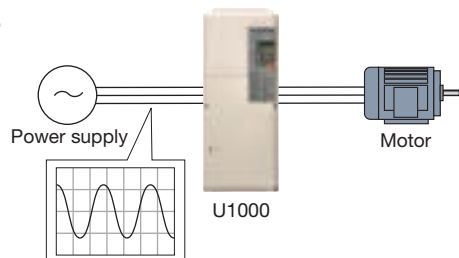
Space is required.

U1000

U1000 itself can solve your harmonic problems!

The U1000 achieves an input current distortion of 5% or less.

Power Current Waveform Samples	Input Current Spectrums	Current Distortion	Power factor
		5%	0.98



The power supply capacity of the generator can be reduced by approximately 50% (compared with using a drive).

Generator capacity reduced by approx. **50%**

Standard Specifications

200 V Class

ND: Normal Duty, HD: Heavy Duty

Model CIMR-U 2A			0028	0042	0054	0068	0081	0104	0130	0154	0192	0248
Rated Input/Output	Rated Input Current	ND	25	38	49	62	74	95	118	140	175	226
		HD	20	25	38	49	62	74	95	118	140	175
	Rated Input Capacity	ND	12	17	22	28	34	43	54	64	80	103
		HD	9	12	17	22	28	34	43	54	64	80
	Rated Output Current	ND	28	42	54	68	81	104	130	154	192	248
		HD	22	28	42	54	68	81	104	130	154	192
Overload Tolerance			HD Rating: 150% of rated output current for 60 s, ND Rating: 120% of rated output current for 60 s (Derating may be required for repetitive loads)									
Carrier Frequency			4 kHz (User adjustable up to 10 kHz. Derating may be required.)									
Max. Output Voltage			Depends on input voltage									
Max. Output Frequency			400 Hz									
Power	Rated Voltage/Rated Frequency		Three-phase AC power supply: 200 to 240 Vac 50/60 Hz									
	Allowable Voltage Fluctuation		-15% to +10%									
	Allowable Frequency Fluctuation		± 3% (Frequency fluctuation rate: 1 Hz/100 ms or less)									
	Allowable Power Voltage Imbalance between Phases		less than 2%									
Harmonic Current Distortion Rate			5% or less (IEEE 519)									
Input Power Factor			0.98 or more (for rated load)									

400 V Class

Model CIMR-U 4A			0011	0014	0021	0027	0034	0040	0052	0065	0077	0096	0124	0156	0180	0216	0240	0302	0361	0414	0477	0590	0720	0900	0930	
Rated Input/Output	Rated Input Current	ND	10	13	19	25	31	36	47	59	70	87	113	142	164	197	218	275	329	377	434	537	655	819	846	
		HD	8.7	10	13	19	25	31	36	47	59	70	87	113	142	164	197	218	275	329	377	434	537	655	819	
	Rated Input Capacity	ND	9	12	17	22	28	33	43	54	64	80	103	130	150	180	200	251	300	344	396	490	598	748	773	
		HD	8	9	12	17	22	28	33	43	54	64	80	103	130	150	180	200	251	300	344	396	490	598	748	
	Rated Output Current	ND	11	14	21	27	34	40	52	65	77	96	124	156	180	216	240	302	361	414	477	590	720	900	930	
		HD	9.6	11	14	21	27	34	40	52	65	77	96	124	156	180	216	240	302	361	414	477	590	720	900	
Overload Tolerance			HD Rating: 150% of rated output current for 60 s, ND Rating: 120% of rated output current for 60 s (Derating may be required for repetitive loads)																							
Carrier Frequency			CIMR-U 4 0011 to 4 0414: 4 kHz (User adjustable up to 6 kHz. Derating may be required.) CIMR-U 4 0477 to 4 0930: 3 kHz																							
Max. Output Voltage			Depends on input voltage																							
Max. Output Frequency			400 Hz																							
Power	Rated Voltage/Rated Frequency		Three-phase AC power supply (CIMR-U 4A/4P): 380 to 500 Vac 50/60 Hz Three-phase AC power supply (CIMR-U 4E/4W): 380 to 480 Vac 50/60 Hz																							
	Allowable Voltage Fluctuation		-15% to +10%																							
	Allowable Frequency Fluctuation		± 3% (Frequency fluctuation rate: 1 Hz/100 ms or less)																							
	Allowable Power Voltage Imbalance between Phases		less than 2%																							
Harmonic Current Distortion Rate			5% or less (IEEE 519)																							
Input Power Factor			0.98 or more (for rated load)																							

Dimensions mm

Open-Chassis (IP00)

Voltage		200 V Class												400 V Class																				
Model CIMR-UA * A		0028	0042	0054	0068	0081	0104	0130	0154	0192	0248	0011	0014	0021	0027	0034	0040	0052	0065	0077	0096	0124	0156	0180	0216	0240	0302	0361	0414	0477	0590	0720	0900	0930
U1000 Drive	W	250	264	264	415	490	250			264			264			415			490			695			1070			1210						
	H	480	650	816	990	1132	480			650			816			990			1132			1132			1595			1835						
	D	360	420	450	403	450	360			420			450			403			450			450			445			445						
U1000 Standard Configuration Devices (Harmonic Filter Module)	W	-																								700								
	H	-																								1350								
	D	-																								432								

* This number indicates the voltage class (2: 200 V class, 4: 400 V class).

Note: 1 Optional UL Type 1 kit is required for Enclosed Wall-Mounted (UL Type 1) models.
2 For details, refer to the U1000 catalogs (No. KAEP C710636 02).

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Contact Information

Specifications are subject to change without notice for ongoing product modifications and improvements.
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