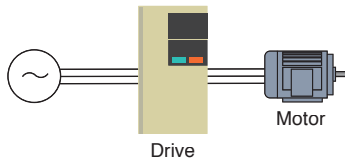
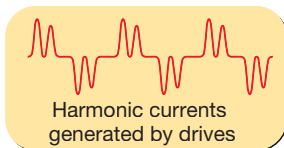


Safe and Reliable Support

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.

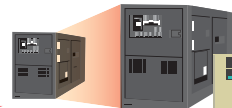
- Malfunction and failure to precision equipments
- Flickering of lights and TV



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.



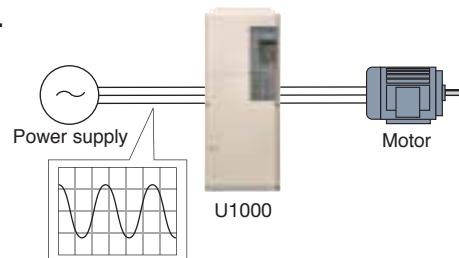
Space is required.

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	ND	25	38	49	62	74	95	118	140	175	226	
	Current	A	HD	20	25	38	49	62	74	95	118	140	175
	Rated Input	ND	12	17	22	28	34	43	54	64	80	103	
	Capacity	kVA	HD	9	12	17	22	28	34	43	54	64	80
	Rated Output	ND	28	42	54	68	81	104	130	154	192	248	
Rated Input/Output	Current	A	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	ND	10	13	19	25	31	36	47	59	70	87	113	142	164	197	218	275	329	377	Available soon.						
	Current	A	HD	8.7	10	13	19	25	31	36	47	59	70	87	113	142	164	197	218	275							329
	Rated Input	ND	9	12	17	22	28	33	43	54	64	80	103	130	150	180	200	251	300	344							
	Capacity	kVA	HD	8	9	12	17	22	28	33	43	54	64	80	103	130	150	180	200	251							300
	Rated Output	ND	11	14	21	27	34	40	52	65	77	96	124	156	180	216	240	302	361	414							
Rated Input/Output	Current	A	HD	9.6	11	14	21	27	34	40	52	65	77	96	124	156	180	216	240	302	361						
	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: 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

200 V Class

Model CIMR-UA2A		0028	0042	0054	0068	0081	0104	0130	0154	0192	0248
Open-Chassis (IP00)	Width (W)	250	264	264	264	264	264	264	415	415	490
	Height (H)	480	650	650	650	650	816	816	990	990	1132
	Depth (D)	360	420	420	420	420	450	450	403	403	450



400 V Class

Model CIMR-UA4A			0011	0014	0021	0027	0034	0040	0052	0065	0077	0096	0124	0156	0180	0216	0240	0302	0361	0414	0477	0590	0720	0900	0930
Open-Chassis (IP00)	Width (W)	250	250	250	250	250	264	264	264	264	264	264	415	415	490	490	695	695	695	Available soon.					
	Height (H)	480	480	480	480	480	650	650	650	650	816	816	990	990	1132	1132	1132	1132	1132						
	Depth (D)	360	360	360	360	360	420	420	420	420	450	450	403	403	450	450	450	450	450						

Note: For details, refer to the U1000 catalogs (No. KAEP C710636 02).



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