

200 V Class, 5.0 to 130 kW
400 V Class, 5.0 to 630 kW



D1000

Energy-Saving Triangle



AC Drive



Motor

- Save electricity with power regeneration !
- Low harmonics !
- Improved power factor !
- Connect Multiple Units !



Save Electricity with Power Regeneration



Improved Power Factors and No Power Supply Harmonics



RoHS compliant

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Certified for
ISO9001 and
ISO14001



JQA-0422 JQA-EM0498

■ D1000 Standard Specifications

Voltage Class		200 V Class								400 V Class											
Model CIMR-DT-A		0005	0010	0020	0030	0050	0065	0090	0130	0005	0010	0020	0030	0040	0060	0100	0130	0185	0270	0370	0630
Rating	Rated Output Capacity* ² kW	5	10	20	30	50	65	90	130	5	10	20	30	40	60	100	130	185	270	370	630
	Rated Output Current (DC) A	15	30	61	91	152	197	273	394	8	15	30	45	61	91	152	197	280	409	561	955
	Rated Input Current (AC) A	15	29	57	83	140	200	270	400	8	16	30	43	58	86	145	210	300	410	560	1040
	Rated Output Voltage	DC330 V								DC660 V											
Input	Rated Voltage/ Rated Frequency	200 to 240 V 50/60 Hz								380 to 480 V 50/60 Hz											
	Allowable Voltage Fluctuation	-15 to +10%																			
	Allowable Power Voltage Imbalance between Phases	±2%																			
Control Characteristics	Control Method	Sine-wave PWM control																			
	Input Power Factor	Input power factor of 0.99 minimum (for rated load)																			
	Output Voltage Accuracy	±5%																			
	Overload Protection	Unit stops after 60 s at 150% of rated output current or after 3 s at 200% of rated output current.																			
Status Output	1 C-relay output at failures, 1 a contact output (multi-function) during operation, 2 multi-function PHC outputs selectable at alarms, 2 multi-function analog outputs selectable for analog outputs																				

■ D1000 Dimensions mm

Regenerative Converter

Voltage Class		200 V Class								400 V Class											
Model CIMR-DT-A		0005	0010	0020	0030	0050	0065	0090	0130	0005	0010	0020	0030	0040	0060	0100	0130	0185	0270	0370	0630
Open-Chassis (IP00)	Width	-	-	-	275	325	450	450	500	-	-	-	275	275	325	500	500	670	670	1250	
	Height	-	-	-	450	550	705	705	800	-	-	-	450	450	550	550	800	800	1140	1140	1380
	Depth	-	-	-	258	283	330	330	350	-	-	-	258	258	283	283	350	350	370	370	370
Open-Chassis (IP20)	Width	180	180	220	279	329	456	456	504	180	180	220	279	279	329	329	504	504	-	-	-
	Height	300	300	365	515	730	960	960	1168	300	300	365	515	515	730	730	1168	1168	-	-	-
	Depth	187	187	197	258	283	330	330	350	187	187	197	258	258	283	283	350	350	-	-	-

Standard Configuration Devices

Voltage Class		200 V Class								400 V Class											
Model CIMR-DT-A		0005	0010	0020	0030	0050	0065	0090	0130	0005	0010	0020	0030	0040	0060	0100	0130	0185	0270	0370	0630
Harmonic Filter Module	Width	209	209	232	260	290	290	290	350	209	209	232	260	260	290	290	350	350	-	-	-
	Height	176	184	265	281	348	350	387	500	176	178	265	293	293	348	385	500	500	-	-	-
	Depth	285	295	301	305	355	352	352	380	285	295	301	305	305	355	355	380	380	-	-	-
Input-side AC Reactor 1	Width	160	205	268	268	330	320	380	445	160	206	240	265	268	330	320	385	450	510	560	560
	Height	133	173	275	290	334	343	382	436	133	173	212	290	285	331	366	382	424	482	549	549
	Depth	114	106	146	161	161	211	220	240	104	101	126	161	176	161	211	235	240	300	320	320
Input-side AC Reactor 2	Width	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330	385	452
	Height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	326	382	545
	Depth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	176	220	375
Reactor for Harmonic Filter	Width	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	163	182	210
	Height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	135	150	190
	Depth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	102	102
Capacitor for Harmonic Filter	Width	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	438	438	695
	Height	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	502	602	582
	Depth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128	128	128

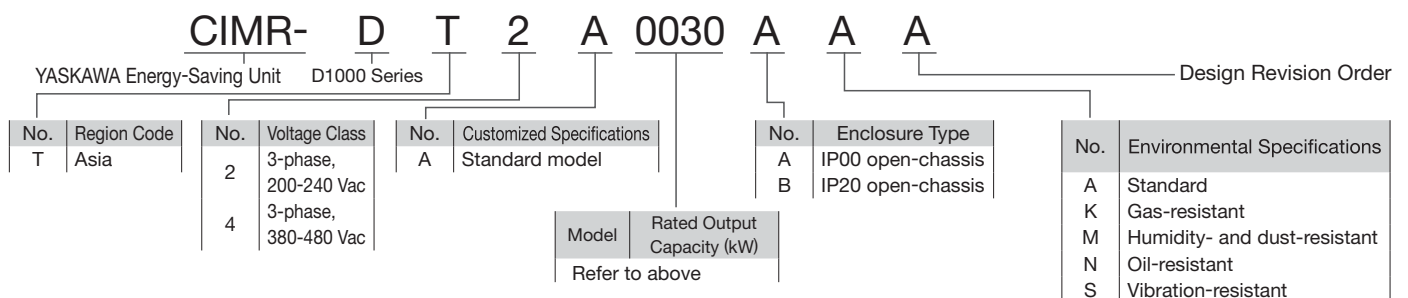
* 1: This number indicates the voltage class (2: 200 V class, 4: 400 V class).

* 2: For the 200 V class, rated output capacity is calculated with an input voltage of 220 V.

For the 400 V class, values are given for an input voltage of 440 V.

Note: D1000 requires standard configuration devices.

Model Number Key



Note: Contact a Yaskawa for more on environment specifications.