

200 V Class, 3.5 to 105 kW
400 V Class, 3.5 to 300 kW

Energy Is Generated!

Reuse the Previously Wasted Energy with a New Way to Save Energy.



Even During Operation

Machines actually generate energy.

Save electricity with power regeneration

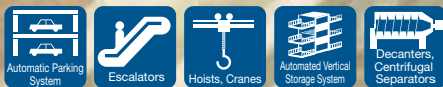
More Braking Power

Machine Downsizing

Total Cost Reduction

Application Examples

Save Electricity with Power Regeneration



More Braking Power



R1000 Standard Specifications

Voltage		200 V Class												400 V Class															
Model CIMR-RT□A□□□□		03P5	0005	0007	0010	0014	0017	0020	0028	0035	0053	0073	0105	03P5	0005	0007	0010	0014	0017	0020	0028	0035	0043	0053	0073	0105	0150	0210	0300
Rating	Regeneration Capacity kW	3.5	5	7	10	14	17	20	28	35	53	73	105	3.5	5	7	10	14	17	20	28	35	43	53	74	105	150	210	300
	Rated Output Current (DC) A	14	20	27	41	55	68	81	112	138	207	282	413	7	11	15	22	30	36	43	58	73	89	109	149	217	320	440	629
	Rated Input Current (AC) A	10	15	20	30	41	50	60	83	102	153	209	306	5	8	11	16	22	27	32	43	54	66	81	110	161	237	326	466
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	120° excitation method																											
	Input Power Factor	0.9 minimum (for rated load)																											
	Overload Protection	30 s at approximately 150% of rated current																											
	Regenerative Torque	150% 30 s, 100% 25% ED 60 s, 80% continuous																											
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																												

R1000 Dimensions mm

Regenerative Unit

Voltage Class		200 V Class												400 V Class															
Model CIMR-RT□A□□□□		03P5	0005	0007	0010	0014	0017	0020	0028	0035	0053	0073	0105	03P5	0005	0007	0010	0014	0017	0020	0028	0035	0043	0053	0073	0105	0150	0210	0300
Open-Chassis (IP00)	Width	140	140	140	180	180	220	220	220	275	325	450	500	140	140	140	180	180	220	220	220	275	275	325	325	450	450	500	500
	Height	260	260	260	300	300	365	365	365	450	550	705	800	260	260	260	300	300	365	365	365	450	450	550	550	705	705	800	800
	Depth	167	167	167	187	187	197	197	197	258	283	330	350	167	167	167	187	187	197	197	197	258	258	283	283	330	330	350	350
Enclosed Wall-Mounted (NEMA Type 1)	Width	140	140	140	180	180	220	220	220	275	329	450	-	140	140	140	180	180	220	220	220	275	275	329	329	450	450	-	-
	Height	260	260	260	300	300	365	365	365	450	730	705	-	260	260	260	300	300	365	365	365	450	450	730	730	705	705	-	-
	Depth	167	167	167	187	187	197	197	197	258	283	330	-	167	167	167	187	187	197	197	197	258	258	283	283	330	330	-	-

Standard Configuration Devices

Voltage Class		200 V Class												400 V Class															
Model CIMR-RT□A□□□□		03P5	0005	0007	0010	0014	0017	0020	0028	0035	0053	0073	0105	03P5	0005	0007	0010	0014	0017	0020	0028	0035	0043	0053	0073	0105	0150	0210	0300
Power Coordinating Reactor	Width	130	130	130	160	180	180	180	210	210	190	240	265	130	130	160	160	180	180	180	210	210	240	240	270	270	285	320	320
	Height	105	105	105	130	150	150	150	175	175	240	285	270	118	118	130	130	150	150	150	175	175	205	205	230	230	250	305	340
	Depth	88	88	98	105	100	100	100	100	115	105	105	115	88	98	90	105	100	100	95	100	115	126	126	162	162	168	158	195
Current Suppression Reactor	Width	96	96	96	120	120	120	120	131	131	161	161	181	96	96	96	96	120	120	120	120	131	131	161	161	181	215	215	241
	Height	75	75	75	95	95	95	95	110	110	130	130	155	75	75	75	75	95	95	95	95	110	110	130	130	155	170	175	215
	Depth	63	63	63	73	73	73	73	90	90	91	101	101	63	63	63	63	73	73	73	73	90	100	91	91	101	108	118	128
Fuse	Width	55	55	55	55	55	55	55	78	78	78	98	110	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	98	98	100	98	110	109
	Height	18	18	18	18	18	18	18	26	26	26	49	-	19	19	19	19	19	19	19	19	19	19	26	26	40	49	-	-
	Depth	12	12	12	12	12	12	12	20	20	20	28	20	12	12	12	12	12	12	12	12	12	12	20	20	20	28	20	30
Fuse Holder	Width	65	65	65	65	65	65	65	88	88	88	145	205	85	85	85	85	85	85	85	85	85	85	108	108	145	145	205	205
	Height	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	19	22	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19	19	22	22
	Depth	26	26	26	26	26	26	26	33	33	33	43	85	26	26	26	26	26	26	26	26	26	26	33	33	43	43	85	85

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

Note: R1000 requires standard configuration devices.

Model Number Key

CIMR-		R	T	2	A	0105	A	A	A	Design Revision Order							
YASKAWA Energy-Saving Unit		R1000 Series															
No.	Region Code	No.	Voltage Class	No.	Customized Specifications	No.	Enclosure Type	No.	Environmental Specifications								
T	Asia	2	3-Phase, 200-240 Vac	A	Standard model	A	IP00 open-chassis	A	Standard								
		4	3-Phase, 380-480 Vac			F	NEMA Type 1 enclosure panel	K	Gas-resistant								
								M	Humidity and dust-resistant								
								S	Vibration-resistant								
										Note: Contact a Yaskawa representative for more on environmental specifications.							
										Refer to above							