

200 V class

Three-phase: CIMR-A_2A		0004	0006	0010	0012	0021	0030	0040	0056	0069	0081	0110	0138	0169	0211	0250	0312	0360	0415	
Motor kW ¹	For HD setting	0.40	0.75	1.5	2.2	4.0	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	
	For ND setting	0.75	1.1	2.2	3.0	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	110	
Output characteristics	Inverter capacity kVA at HD ²	1.2	1.9	3	4.2	6.7	9.5	12.6	17.9	23	29	32	44	55	69	82	108	132	158	
	Inverter capacity kVA at ND ²	1.3	2.3	3.7	4.6	8	11.4	15.2	21	26	31	42	53	64	80	95	119	137	158	
	Rated output current (A) at HD	3.2 ³	5 ³	8 ³	11 ³	17.5 ³	25 ³	33 ³	47 ³	60 ³	75 ³	85 ³	115 ³	145 ⁴	180 ⁴	215 ⁴	283 ⁴	346 ⁴	415 ⁵	
	Rated output current (A) at ND ⁵	3.5	6	9.6	12	21	30	40	56	69	81	110	138	169	211	250	312	360	415	
	Max. output voltage	Proportional to input voltage: 0..240 V																		
	Max. output frequency	400 Hz																		
Power supply	Rated input voltage and frequency	3-phase 200..240 V 50/60 Hz																		
	Allowable voltage fluctuation	-15%..+10%																		
	Allowable frequency fluctuation	+5%																		
	Input Current (A) at HD ⁶	2.9	5.8	7.5	11	18.9	28	37	52	68	80	82	111	136	164	200	271	324	394	
	Input Current (A) at ND ⁶	3.9	7.3	10.8	13.9	24	37	52	68	80	96	111	136	164	200	271	324	394	471	

¹ Based on a standard 4-pole motor for maximum applicable motor output.

² Rated Motor Capacity is calculated with a rated output voltage of 220 V.

³ Carrier frequency can be increased up to 8 kHz while keeping this current rating. Higher carrier frequency settings require derating.

⁴ Carrier frequency can be increased up to 5 kHz while keeping this current rating. Higher carrier frequency settings require derating.

⁵ Carrier frequency is set to 2 kHz. Current derating is required in order to raise the carrier frequency.

⁶ Assumes operation at rated output current. Input current rating varies depending on the power supply transformer, input reactor, wiring conditions, and power supply impedance.

400 V class

Three-phase: CIMR-A_4A		0002	0004	0005	0007	0009	0011	0018	0023	0031	0038	0044	0058
Motor kW ¹	For HD setting	0.4	0.75	1.5	2.2	3.0	4.0	5.5	7.5	11	15	18.5	22
	For ND setting	0.75	1.5	2.2	3.0	4.0	5.5	7.5	11	15	18.5	22	30
Output characteristics	Inverter capacity kVA at HD ²	1.4	2.6	3.7	4.2	5.5	7	11.3	13.7	18.3	24	30	34
	Inverter capacity kVA at ND ²	1.6	3.1	4.1	5.3	6.7	8.5	13.3	17.5	24	29	34	44
	Rated output current (A) at HD	1.8 ³	3.4 ³	4.8 ³	5.5 ³	7.2 ³	9.2 ³	14.8 ³	18 ³	24 ³	31 ³	39 ³	45 ³
	Rated output current (A) at ND ⁵	2.1	4.1	5.4	6.9	8.8	11.1	17.5	23	31	38	44	58
	Max. output voltage	380..480V (proportional to input voltage)											
	Max. output frequency	400 Hz											
Power supply	Rated input voltage and frequency	3-phase 380..480 VAC, 50/60 Hz											
	Allowable voltage fluctuation	-15%..+10%											
	Allowable frequency fluctuation	+5%											
	Input Current (A) at HD ⁶	1.8	3.2	4.4	6	8.2	10.4	15	20	29	39	44	49
	Input Current (A) at ND ⁶	2.1	4.3	5.9	8.1	9.4	14	20	24	38	44	52	58
Three-phase: CIMR-A_4A		0072	0088	0103	0139	0165	0208	0250	0296	0362	0414	0515	0675
Motor kW ¹	For HD setting	30	37	45	55	75	90	110	132	160	185	220	315
	For ND setting	37	45	55	75	90	110	132	160	185	220	250	355
Output characteristics	Inverter capacity kVA at HD ²	48	57	69	85	114	137	165	198	232	282	343	461
	Inverter capacity kVA at ND ²	55	67	78	106	126	159	191	226	276	316	392	514
	Rated output current (A) at HD	60 ³	75 ³	91 ³	112 ⁴	150 ⁴	180 ⁴	216 ⁴	260 ⁴	304 ⁵	370	450	605
	Rated output current (A) at ND ⁵	72	88	103	139	165	208	250	296	362	414	515	675
	Max. output voltage	380..480V (proportional to input voltage)											
	Max. output frequency	400 Hz											
Power supply	Rated input voltage and frequency	3-phase 380..480 VAC, 50/60 Hz											
	Allowable voltage fluctuation	-15%..+10%											
	Allowable frequency fluctuation	+5%											
	Input Current (A) at HD ⁶	58	71	86	105	142	170	207	248	300	346	410	584
	Input Current (A) at ND ⁶	71	86	105	142	170	207	248	300	346	410	465	657

¹ Based on a standard 4-pole motor for maximum applicable motor output.

² Rated Motor Capacity is calculated with a rated output voltage of 440 V.

³ Carrier frequency can be increased up to 8 kHz while keeping this current rating. Higher carrier frequency settings require derating.

⁴ Carrier frequency can be increased up to 5 kHz while keeping this current rating. Higher carrier frequency settings require derating.

⁵ Carrier frequency is set to 2 kHz. Current derating is required in order to raise the carrier frequency.

⁶ Assumes operation at rated output current. Input current rating varies depending on the power supply transformer, input reactor, wiring conditions, and power supply impedance.