

Инверторы серии А1000

КАРТА ЗАКАЗА

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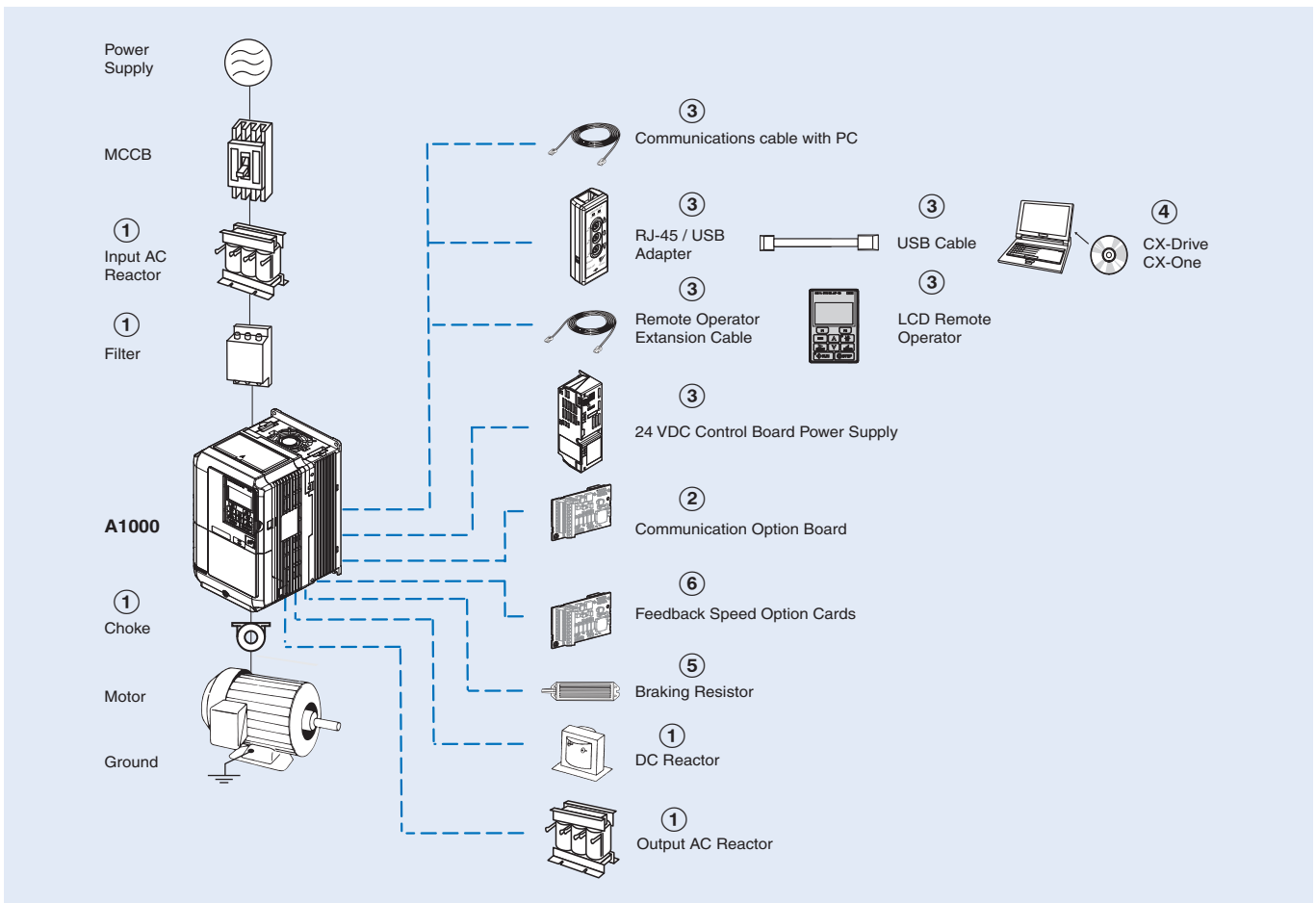
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Тула (4872)74-02-29
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Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Ordering information



A1000

	Specifications				Model
	Heavy Duty		Normal Duty		Standard
200 V	0.4 kW	3.2 A	0.75 kW	3.5 A	CIMR-AC2A0004FAA
	0.75 kW	5.0 A	1.1 kW	6.0 A	CIMR-AC2A0006FAA
	1.5 kW	8.0 A	2.2 kW	9.6 A	CIMR-AC2A0010FAA
	2.2 kW	11.0 A	3.0 kW	12.0 A	CIMR-AC2A0012FAA
	4.0 kW	17.5 A	5.5 kW	21.0 A	CIMR-AC2A0021FAA
	5.5 kW	25.0 A	7.5 kW	30.0 A	CIMR-AC2A0030FAA
	7.5 kW	33.0 A	11.0 kW	40.0 A	CIMR-AC2A0040FAA
	11 kW	47.0 A	15.0 kW	56.0 A	CIMR-AC2A0056FAA
	15 kW	60.0 A	18.5 kW	69.0 A	CIMR-AC2A0069FAA
	18.5 kW	75 A	22 kW	81 A	CIMR-AC2A0081FAA
	22 kW	85 A	30 kW	110 A	CIMR-AC2A0110AAA
	30 kW	115 A	37 kW	138 A	CIMR-AC2A0138AAA
	37 kW	145 A	45 kW	169 A	CIMR-AC2A0169AAA
	45 kW	180 A	55 kW	211 A	CIMR-AC2A0211AAA
	55 kW	215 A	75 kW	250 A	CIMR-AC2A0250AAA
	75 kW	283 A	90 kW	312 A	CIMR-AC2A0312AAA
90 kW	346 A	110 kW	360 A	CIMR-AC2A0360AAA	
110 kW	415 A	110 kW	415 A	CIMR-AC2A0415AAA	

	Specifications				Model
	Heavy Duty		Normal Duty		Standard
400 V	0.4 kW	1.8 A	0.75 kW	2.1 A	CIMR-AC4A0002FAA
	0.75 kW	3.4 A	1.5 kW	4.1 A	CIMR-AC4A0004FAA
	1.5 kW	4.8 A	2.2 kW	5.4 A	CIMR-AC4A0005FAA
	2.2 kW	5.5 A	3.0 kW	6.9 A	CIMR-AC4A0007FAA
	3.0 kW	7.2 A	4.0 kW	8.8 A	CIMR-AC4A0009FAA
	4.0 kW	9.2 A	5.5 kW	11.1 A	CIMR-AC4A0011FAA
	5.5 kW	14.8 A	7.5 kW	17.5 A	CIMR-AC4A0018FAA
	7.5 kW	18.0 A	11.0 kW	23.0 A	CIMR-AC4A0023FAA
	11 kW	24.0 A	15.0 kW	31.0 A	CIMR-AC4A0031FAA
	15 kW	31.0 A	18.5 kW	38.0 A	CIMR-AC4A0038FAA
	18.5 kW	39 A	22 kW	44 A	CIMR-AC4A0044FAA
	22 kW	45 A	30 kW	58 A	CIMR-AC4A0058AAA
	30 kW	60 A	37 kW	72 A	CIMR-AC4A0072AAA
	37 kW	75 A	45 kW	88 A	CIMR-AC4A0088AAA
	45 kW	91 A	55 kW	103 A	CIMR-AC4A0103AAA
	55 kW	112 A	75 kW	139 A	CIMR-AC4A0139AAA
	75 kW	150 A	90 kW	165 A	CIMR-AC4A0165AAA
	90 kW	180 A	110 kW	208 A	CIMR-AC4A0208AAA
	110 kW	216 A	132 kW	250 A	CIMR-AC4A0250AAA
	132 kW	260 A	160 kW	296 A	CIMR-AC4A0296AAA
160 kW	304 A	185 kW	362 A	CIMR-AC4A0362AAA	
185 kW	370 A	220 kW	414 A	CIMR-AC4A0414AAA	
220 kW	450 A	250 kW	515 A	CIMR-AC4A0515AAA	
315 kW	605 A	355 kW	675 A	CIMR-AC4A0675AAA	
450 kW	810 A	500 kW	930 A	CIMR-AC4A0930AAA	
560 kW	1090 A	630 kW	1200 A	CIMR-AC4A1200AAA	

① Line filters

Inverter		Line filter					
		Rasmi			Schaffner		
Voltage	Model CIMR-AC□ (Normal duty)	Reference	Current (A)	Weight (kg)	Reference	Current (A)	Weight (kg)
3-Phase 200 VAC	2A0004 / 2A0006	A1000-FIA3024-RE	24	2.0	3G3RV-PFI3010-SE	10	1.2
	2A0010 / 2A0012 / 2A0021				3G3RV-PFI3018-SE	18	1.3
	2A0030 / 2A0040	A1000-FIA2052-RE	52	2.4	3G3RV-PFI2035-SE	35	1.4
	2A0056	A1000-FIA2068-RE	68	4.2	-	-	-
	2A0069 / 2A0081	A1000-FIA2096-RE	96	4.4	3G3RV-PFI2060-SE	60	3.0
	2A0110 / 2A0138	A1000-FIA3170-RE	170	9.0	3G3RV-PFI2100-SE	100	4.9
	2A0169				3G3RV-PFI3170-SE	170	6.0
	2A0211	A1000-FIA3300-RE	300	13.2	-	-	-
	2A0250				-	-	-
	2A0312 / 2A0360 / 2A0415	A1000-FIA3480-RE	480	13.6	-	-	-
3-Phase 400 VAC	4A0002 / 4A0004 / 4A0005 / 4A0007	A1000-FIA3024-RE	24	2.0	3G3RV-PFI3010-SE	10	1.2
	4A0009 / 4A0011				3G3RV-PFI3018-SE	18	1.3
	4A0018 / 4A0023				3G3RV-PFI3035-SE	35	2.2
	4A0031	A1000-FIA3044-RE	44	2.8	-	-	-
	4A0038	-	-	-	3G3RV-PFI3060-SE	60	4.0
	4A0044	A1000-FIA3052-RE	52	3.9	-	-	-
	4A0058	A1000-FIA3071-RE	71	5.3	-	-	-
	4A0072				3G3RV-PFI3100-SE	100	4.5
	4A0088	A1000-FIA3105-RE	105	6.5	-	-	-
	4A0103	-	-	-	3G3RV-PFI3170-SE	170	6.0
	4A0139 / 4A0165	A1000-FIA3170-RE	170	9.0	-	-	-
	4A0208 / 4A0250	A1000-FIA3300-RE	300	13.2	3G3RV-PFI3200-SE	250	11.0
	4A0296				3G3RV-PFI3400-SE	400	8.5
	4A0362	A1000-FIA3480-RE	480	13.6	-	-	-
	4A0414 / 4A0515				3G3RV-PFI3600-SE	600	11.0
4A0675	A1000-FIA3660-RE	660	23.7	3G3RV-PFI3800-SE	800	31.0	
4A0930 / 4A1200	-	-	-	-	-	-	

① Input AC reactors

3-phase 200 VAC		3-phase 400 VAC	
Model CIMR-AC□	Input AC reactor	Model CIMR-AC□	Input AC reactor
2A0004 / 2A0006 / 2A0010	AX-RAI02800100-DE	4A0002 / 4A0004 / 4A0005	AX-RAI07700050-DE
2A0012 / 2A0021	AX-RAI00880200-DE	4A0007 / 4A0009 / 4A0011	AX-RAI03500100-DE
2A0030 / 2A0040	AX-RAI00350335-DE	4A0018 / 4A0023	AX-RAI01300170-DE
2A0056 / 2A0069	AX-RAI00180670-DE	4A0031 / 4A0038	AX-RAI00740335-DE
2A0081 / 2A0110	AX-RAI00091000-DE	4A0044 / 4A0058	AX-RAI00360500-DE
2A0138 / 2A0169	AX-RAI00071550-DE	4A0072 / 4A0088	AX-RAI00290780-DE
2A0211 / 2A0250	AX-RAI00042300-DE	4A0103 / 4A0139	AX-RAI00191150-DE
2A0312 / 2A0360 / 2A0415	-	4A0165 / 4A0208	AX-RAI00111850-DE
		4A0250 / 4A0296	AX-RAI00072700-DE
		4A0362 / 4A0414 / 4A0515 / 4A0675 4A0930 / 4A1200	-

① DC reactors

3-phase 200 VAC		3-phase 400 VAC	
Model CIMR-AC□	DC Reactor	Model CIMR-AC□	DC Reactor
2A0004	AX-RC10700032-DE	4A0002	AX-RC43000020-DE
2A0006	AX-RC06750061-DE	4A0004	AX-RC27000030-DE
2A0010	AX-RC03510093-DE	4A0005	AX-RC14000047-DE
2A0012	AX-RC02510138-DE	4A0007	AX-RC10100069-DE
2A0021	AX-RC01600223-DE	4A0009 / 4A0011	AX-RC06400116-DE
2A0030	AX-RC01110309-DE	4A0018	AX-RC04410167-DE
2A0040	AX-RC00840437-DE	4A0023	AX-RC03350219-DE
2A0056	AX-RC00590614-DE	4A0031	AX-RC02330307-DE
2A0069	AX-RC00440859-DE	4A0038	AX-RC01750430-DE
2A0081	AX-RC00301275-DE	4A0044	AX-RC01200644-DE

① Output AC reactors

3-phase 200 VAC		3-phase 400 VAC	
Model CIMR-AC□	Output AC reactor	Model CIMR-AC□	Output AC reactor
2A0004	AX-RAO11500026-DE	4A0002 / 4A0004 / 4A0005	AX-RAO16300038-DE
2A0006	AX-RAO07600042-DE	4A0007	AX-RAO11800053-DE
2A0010	AX-RAO04100075-DE	4A0009 / 4A0011	AX-RAO07300080-DE
2A0012	AX-RAO03000105-DE	4A0018	AX-RAO04600110-DE
2A0021	AX-RAO01830160-DE	4A0023	AX-RAO03600160-DE
2A0030	AX-RAO01150220-DE	4A0031	AX-RAO02500220-DE
2A0040	AX-RAO00950320-DE	4A0038	AX-RAO02000320-DE
2A0056	AX-RAO00630430-DE	4A0044	AX-RAO01650400-DE
2A0069	AX-RAO00490640-DE	4A0058	AX-RAO01300480-DE
2A0081	AX-RAO00390800-DE	4A0072	AX-RAO01030580-DE
2A0110	AX-RAO00330950-DE	4A0088	AX-RAO00800750-DE
2A0138	AX-RAO00251210-DE	4A0103	AX-RAO00680900-DE
2A0169	AX-RAO00191450-DE	4A0139	AX-RAO00531100-DE
2A0211	AX-RAO00161820-DE	4A0165	AX-RAO00401490-DE
2A0250	AX-RAO00132200-DE	4A0208	AX-RAO00331760-DE
2A0312 / 2A0360 / 2A0415	-	4A0250	AX-RAO00262170-DE
		4A0296	AX-RAO00212600-DE
		4A0362 / 4A0414 / 4A0515 / 4A0675 4A0930 / 4A1200	-

Note: This table corresponds with HD rating. When ND is used, please choose the reactor for the next size inverter.

① Chokes

Model	Diameter	Description
AX-FER2102-RE	21	For 2.2 KW motors or below
AX-FER2515-RE	25	For 15 KW motors or below
AX-FER5045-RE	50	For 45 KW motors or below
AX-FER6055-RE	60	For 55 KW motors or below

② Communication cards

Type	Model	Description	Function
Communication option board	SI-N3	DeviceNet option card	• Used for running or stopping the inverter, setting or referencing parameters, and monitoring output frequency, output current, or similar items through DeviceNet communication with the host controller.
	SI-P3	PROFIBUS-DP option card	• Used for running or stopping the inverter, setting or referencing parameters, and monitoring output frequency, output current, or similar items through PROFIBUS-DP communication with the host controller.
	SI-S3	CANopen option card	• Used for running or stopping the inverter, setting or referencing parameters, and monitoring output frequency, output current, or similar items through CANopen communication with the host controller.
	SI-T3	MECHATROLINK-II option card	• Used for running or stopping the inverter, setting or referencing parameters, and monitoring output frequency, output current, or similar items through MECHATROLINK-II communication with the host controller.
	SI-ES3	EtherCAT option card	• Used for running or stopping the inverter, setting or referencing parameters, and monitoring output frequency, output current, or similar items through EtherCAT communication with the host controller.
	SI-EP3	PROFINET option card	• Used for running or stopping the inverter, setting or referencing parameters, and monitoring output frequency, output current, or similar items through PROFINET communication with the host controller.
	SI-EN3	EtherNet/IP option card ^{*1}	• Used for running or stopping the inverter, setting or referencing parameters, and monitoring output frequency, output current, or similar items through EtherNet/IP communication with the host controller.

*1. EtherNet/IP option card not available for CIMR-AC4A0930 and CIMR-AC4A1200 models.

③ Accessories

Types	Model	Description	Functions
Digital operator	JVOP-180	LCD remote operator	LCD Display operator with language support
	3G3AX-CAJOP300-EE	Remote operator cable	3 meters cable for connecting remote operator
Accessories	JVOP-181	USB converter / USB cable	USB converter unit with copy and backup function
	PS-A10LB	24 VDC option board	24V DC control board power supply, 200 V class
	PS-A10HB		24V DC control board power supply, 400 V class
	A1000-CAVPC232-EE	PC connection cable	RS232 PC tool connection cable

④ Computer software

Types	Model	Description	Installation
Software	CX-Drive	Computer software	Configuration and monitoring software tool
	CX-One	Computer software	Configuration and monitoring software tool

⑤ Braking unit, braking resistor unit

Inverter		Braking unit		Braking Resistor ¹ (10% ED)			Connectable min. resistance Ω	
Max. Applicable Motor kW	Model CIMR-A□□A_	Model	Qty	Model	Specifications of Resistor	Qty		
200 V Class	0.4	0004 HD	Built-in	AX-REM00K2070-IE	200W	70Ω	1	48
	0.75	0004 ND						48
		0006 HD						48
	1.1	0006 ND		AX-REM00K4075-IE	400W	75Ω	1	48
		0008 HD						48
	1.5	0008 ND		AX-REM00K4035-IE	400W	35Ω	1	16
		0010 HD						16
	0010 ND	16						
	2.2	0012 HD		AX-REM00K6035-IE	600W	35Ω	1	16
		0012 ND						16
	3.0	0018 HD		AX-REM00K9020-IE	900W	20Ω	1	9.6
		0018 ND						9.6
	0021 HD	9.6						
	3.7	0021 ND		AX-REM02K1017-IE	2100W	17Ω	1	9.6
		0030 HD						9.6
	5.5	0030 ND		AX-REM03K5010-IE	3500W	10Ω	1	9.6
		0040 HD						9.6
	0040 ND	9.6						
	7.5	0040 HD		AX-REM19K0008-IE	19000W	8Ω	1	6.4
		0056 HD						6.4
	0056 ND	6.4						
	11	0056 ND		AX-REM19K0006-IE	19000W	6Ω	2	1.6
		0069 HD						1.6
	15	0069 ND		AX-REM03K5010-IE	3500W	10Ω	1	9.6
0081 HD		9.6						
18.5	0081 ND	AX-REM19K0008-IE	19000W	8Ω	1	6.4		
	0110 HD					6.4		
0110 ND	6.4							
22	0138 HD	AX-REM19K0008-IE	19000W	8Ω	1	6.4		
	0138 ND					6.4		
30	0169 HD	AX-BCR2035090-TE	1	AX-REM19K0008-IE	19000W	8Ω	1	6.4
	0169 ND	AX-BCR2070130-TE	1					6.4
37	0211 HD			AX-BCR2035090-TE	2	AX-REM19K0006-IE	19000W	6Ω
	0211 ND	1.6						
45	0250 HD	AX-BCR2070130-TE	2	AX-REM19K0006-IE	19000W	6Ω	2	1.6
	0250 ND							1.6
55	0312 HD	AX-BCR2035090-TE	2	AX-REM19K0006-IE	19000W	6Ω	2	1.6
	0312 ND							1.6
75	0360 HD	AX-BCR2035090-TE	3	AX-REM19K0006-IE	19000W	6Ω	2	1.6
	0360 ND							1.6
90	0415 HD	AX-BCR2035090-TE	3	AX-REM19K0006-IE	19000W	6Ω	2	1.6
	0415 ND							1.6

Inverter		Braking unit		Braking Resistor ¹ (10% ED)			Connectable min. resistance Ω				
Max. Applicable Motor kW	Model CIMR-A□□A_	Model	Qty	Model	Specifications of Resistor	Qty					
400 V Class	0.4	0002 HD	Built in				96				
	0.75	0002 ND					AX-REM00K1200-IE	100W	200Ω	1	96
		0004 HD									96
	1.5	0004 ND					AX-REM00K2200-IE	200W	200Ω	1	64
		0005 HD									64
	2.2	0005 ND					AX-REM00K4075-IE	400W	75Ω	1	64
		0007 HD									32
	3.0	0007 ND					AX-REM00K6100-IE	600W	100Ω	1	32
		0009 HD									32
	3.7	0009 ND					AX-REM00K9070-IE	900W	70Ω	1	32
		0011 HD									20
	5.5	0011 ND					AX-REM01K9070-IE	1900W	70Ω	1	32
		0018 HD									20
	7.5	0018 ND					AX-REM03K5035-IE	3500W	35Ω	1	20
		0023 HD									20
	11	0023 ND					AX-REM19K0030-IE	19000W	30Ω	1	19.2
		0031 HD									19.2
	15	0031 ND					AX-REM19K0020-IE	19000W	20Ω	1	12.8
		0038 HD									12.8
	18.5	0038 ND					AX-REM19K0030-IE	19000W	30Ω	1	19.2
		0044 HD									19.2
	22	0044 ND					AX-REM19K0020-IE	19000W	20Ω	1	12.8
		0058 HD									12.8
	30	0058 ND					AX-REM19K0006-IE	19000W	6Ω	1	3.2
		0072 HD									3.2
	37	0072 ND					AX-REM38K0012-IE	38000W	12Ω	1	3.2
		0088 HD									3.2
	45	0088 ND					AX-REM19K0006-IE	19000W	6Ω	3	3.2
		0103 HD									3.2
	55	0103 ND					AX-REM19K0006-IE	19000W	6Ω	3	3.2
0139 HD		3.2									
75	0139 ND	AX-REM19K0006-IE	19000W	6Ω	3	3.2					
	0165 HD					3.2					
90	0165 ND	AX-REM19K0006-IE	19000W	6Ω	3	3.2					
	0208 HD					3.2					
110	0208 ND	AX-REM19K0006-IE	19000W	6Ω	3	3.2					
	0250 HD					3.2					
132	0250 ND	AX-REM19K0006-IE	19000W	6Ω	3	3.2					
	0296 HD					3.2					
160	0296 ND	AX-REM19K0006-IE	19000W	6Ω	3	3.2					
	0362 HD					3.2					
185	0362 ND	AX-REM19K0006-IE	19000W	6Ω	3	3.2					
	0414 HD					3.2					
220	0414 ND	AX-REM19K0006-IE	19000W	6Ω	3	3.2					
	0515 HD					3.2					
250	0515 ND	AX-REM19K0006-IE	19000W	6Ω	3	3.2					
315	0675 HD					3.2					
355	0675 ND	AX-BCR4017068-TE	1	AX-REM19K0006-IE	19000W	6Ω	3	3.2			
		AX-BCR4035090-TE	1	AX-REM19K0006-IE	19000W	6Ω	3	3.2			
		AX-BCR4070130-TE	1	AX-REM19K0006-IE	19000W	6Ω	3	3.2			
		AX-BCR4090240-TE	1	AX-REM19K0006-IE	19000W	6Ω	3	3.2			
		AX-BCR4035090-TE	2	AX-REM19K0006-IE	19000W	6Ω	3	3.2			
		AX-BCR4070130-TE	2	AX-REM19K0006-IE	19000W	6Ω	3	3.2			
		AX-BCR4090240-TE	2	AX-REM19K0006-IE	19000W	6Ω	3	3.2			
		AX-BCR4090240-TE	3	AX-REM19K0006-IE	19000W	6Ω	3	3.2			

1. When connecting a mounting type resistor or braking resistor unit, set system constant L3-04 to 0 (Stall prevention disabled during deceleration). Motor will not stop at set deceleration time if this constant is not changed. Additionally the Internal braking transistor protection (L8-55) should be set to "0" when a external braking unit (CDBR-) is used.

⑥ Feedback speed option card

Type	Model	Description	Function
PG option card	PG-B3	Motor PG feedback open collector interface	<ul style="list-style-type: none"> For speed feedback input by connecting a motor encoder Input: 3 track (one or two tracks), for HTL encoder connection, 50 KHz max Output: 3 track, open collector Encoder power supply: 12 V, 200 mA max
	PG-X3	Motor PG feedback line driver interface	<ul style="list-style-type: none"> For speed feedback input by connecting a motor encoder Input: 3 track (one or two tracks), line driver, 300 kHz max Output: 3 track, line driver Encoder power supply: 5 V or 12 V, 200 mA max
	PG-F3 ¹	EnDat encoder	<ul style="list-style-type: none"> For speed feedback input by connecting a motor encoder Encoder type: EnDat 2.1/01, EnDat 2.2/01, EnDat 2.2/22 (HEIDENHAIN) Maximum input frequency: 50 kHz Pulse monitor: Matches RS-422 level Output voltage: 5V±5%, 8V±10% Maximum output current: 200 mA Wiring length: 20 m max. for the encoder, 30 m max. for the pulse monitor
	PG-RT3	Motor feedback resolver interface	<ul style="list-style-type: none"> For motor speed feedback by connecting a resolver (TS2640N321E64 by Tamagawa Seiki Co., LTD) Input voltage: 7 VAC rms 10 kHz Transformation ratio: 0.5±5% Maximum input current: 100 mA rms

1. This option card can only be used in CLV/PM.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.