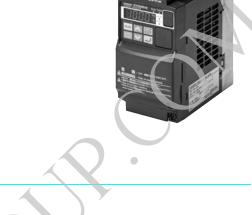
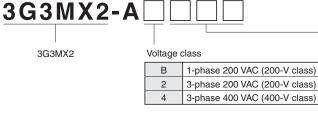
Multi-function Compact Inverter

With Machine Automation Mentality

- Current vector Control.
- High Starting torque: 200% at 0.5 Hz.
- Double rating VT 120%/1 min and CT 150% /1 min.
- Speed range up to 1,000 Hz.
- Positioning functionality.
- Safety embedded compliant with ISO 13849-1: 2006 (PLd) (under application) (double input circuit and external device monitor)
- Modbus communications.
- PC Configuration tool: CX-Drive.

Interpreting Model Numbers





Max. applicable motor capacity (CT)

		. 1		,
001	0.1 kW		037	3.7 kW
002	0.2 kW		040	4.0 kW
004	0.4 kW		055	5.5 kW
007	0.75 kW		075	7.5 kW
015	1.5 kW		110	11 kW
022	2.2 kW		150	15 kW
030	3.0 kW			

Ordering Information

International Standards

- The standards are abbreviated as follows: U: UL, U1: UL (Class I Division 2 Products for Hazardous Locations), C: CSA, UC: cULus,
- UC1: cULus (Class I Division 2 Products for Hazardous Locations), CU: cUL, N: NK, L: Lloyd, and CE: EC Directives.
- Contact your OMRON representative for further details and applicable conditions for these standards.

3G3MX2 Inverter Models

Deted veltors		Max. applicable	Madal	
Rated voltage	Enclosure ratings	CT: Heavy load	VT: Light load	Model
		0.1kW	0.2 kW	3G3MX2-A2001
		0.2 kW	0.4 kW	3G3MX2-A2002
		0.4 kW	0.75 kW	3G3MX2-A2004
		0.75 kW	1.1 kW	3G3MX2-A2007
		1.5 kW	2.2 kW	3G3MX2-A2015
3-phase 200 VAC	IP20	2.2 kW	3.0 kW	3G3MX2-A2022
		3.7 kW	5.5 kW	3G3MX2-A2037
		5.5 kW	7.5 kW	3G3MX2-A2055
		7.5 kW	11 kW	3G3MX2-A2075
		11 kW	15 kW	3G3MX2-A2110
		15 kW	18.5 kW	3G3MX2-A2150
		0.4 kW	0.75 kW	3G3MX2-A4004
		0.75 kW	1.5 kW	3G3MX2-A4007
		1.5 kW	2.2 kW	3G3MX2-A4015
		2.2 kW	3.0 kW	3G3MX2-A4022
0 mbaaa 400 VAO	IP20	3.0 kW	4.0 kW	3G3MX2-A4030
3-phase 400 VAC	IP20	4.0 kW	5.5 kW	3G3MX2-A4040
		5.5 kW	7.5 kW	3G3MX2-A4055
		7.5 kW	11 kW	3G3MX2-A4075
		11 kW	15 kW	3G3MX2-A4110
		15 kW	18.5 kW	3G3MX2-A4150
		0.1 kW	0.2 kW	3G3MX2-AB001
		0.2 kW	0.4 kW	3G3MX2-AB002
1 phase 200 VAC	IP20	0.4 kW	0.55 kW	3G3MX2-AB004
1-phase 200 VAC		0.75 kW	1.1 kW	3G3MX2-AB007
		1.5 kW	2.2 kW	3G3MX2-AB015
		2.2 kW	3.0 kW	3G3MX2-AB022

Software

_	Product name	Specifications	Number of licenses	Media	Model	Standards
		The CX-One is a package that integrates the Support		CD	CXONE-AL01C-V3	
	CX-One FA Integrated Tool Package Ver. 3.⊟	Software for OMRON PLCs and components. CX-One runs on the following OS. Windows 2000 (Service Pack 3 or higher), XP, or Vista CX-One Ver.3. includes CX-Drive Ver.1. For details, refer to the CX-One catalog (Cat. No. R134).	1 license *1	DVD *2	CXONE-AL01D-V3	
		CX-Drive can still be ordered individually in the following r	nodel numbers			
	CX-Drive Ver.1.	Application software to set and control data for Inverters and Servos. OS: Windows 2000 (Service Pack 3a or higher), XP, or Vista	1 license	CD	WS02-DRVC1	

*1. Multi licenses are available for the CX-One (3, 10, 30, or 50 licenses).
*2. When purchasing the DVD format, verify the computer model and DVD drive specifications before purchasing.

CX-Drive connection cable

Specifications	Description
USB Cable (USB1.1, mini-B connector) Max. 2.0 m	General purpose USB cable can be used.

Standard Specification List

3-phase 200 V Class

Fun	ction nan	ne					3-1	ohase 200) V				
Model name	e (3G3MX	2-)	A2001	A2002	A2004	A2007	A2015	A2022	A2037	A2055	A2075	A2110	A2150
	kW	СТ	0.1	0.2	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15
Applicable motor	ĸvv	VT	0.2	0.4	0.75	1.1	2.2	3.0	5.5	7.5	11	15	18.5
capacity	НР	СТ	1/8	1/4	1/2	1	2	3	5	7 1/2	10	15	20
	пР	VT	1/4	1/2	1	1 1/2	3	4	7 1/2	10	15	20	25
Rated	200 V	СТ	0.2	0.5	1.0	1.7	2.7	3.8	6.0	8.6	11.4	16.2	20.7
output	200 V	VT	0.4	0.6	1.2	2.0	3.3	4.1	6.7	10.3	13.8	19.3	23.9
capacity	240 V	СТ	0.3	0.6	1.2	2.0	3.3	4.5	7.2	10.3	13.7	19.5	24.9
[kVA]	240 V	VT	0.4	0.7	1.4	2.4	3.9	4.9	8.1	12.4	16.6	23.2	28.6
Rated input	voltage					3-phase 2	00 V - 15%	% to 240 V	/ + 10%, 5	0/60 ± 5%)
Rated output	ut voltage)		3	3-phase 20	00 to 240 \	/ (The out	out cannot	t exceed th	ne incomin	ig voltage)		
Rated outp	ut	СТ	1.0	1.6	3.0	5.0	8.0	11.0	17.5	25.0	33.0	47.0	60.0
current [A]		VT	1.2	1.9	3.5	6.0	9.6	12.0	19.6	30.0	40.0	56.0	69.0
Short-time braking toro (Discharge R connected)	que (%)		50	50	50	50	50	20	20	20	20	10	10
Braking Resistor	Regenera braking	ative			Built-i	n Braking	Resistor c	ircuit (sep	arate Disc	harge Res	sistor)		
circuit *	Min. cor resistan	nectable ce [Ω]	100	100	100	50	50	35	35	20	17	17	10
Weight [kg]			1.0	1.0	1.1	1.2	1.6	1.8	2.0	3.3	3.4	5.1	7.4
Dimensions (width \times height) [mm]			68 ×	128		108 >	< 128	140× 128	140 >	< 260	180 × 296	220 × 350	
Dimensions (depth) [mm]			1(09	122.5	145.5	17	0.5	170.5	15	55	17	75
	* The BRD usage is 10%. 3-phase 400 V Class												

3-phase 400 V Class

Fun	ction nan	ne					3-phas	e 400 V				
Model name (3G3MX2-)			A4004	A4007	A4015	A4022	A4030	A4040	A4055	A4075	A4110	A4150
	kW	СТ	0.4	0.75	1.5	2.2	3.0	4.0	5.5	7.5	11	15
Applicable motor	KVV	VT	0.75	1.5	2.2	3.0	4.0	5.5	7.5	11	15	18.5
capacity	НР	СТ	1/2	1	2	3	4	5	7 1/2	10	15	20
	nr	VT	1	2	3	4	5	7 1/2	10	15	20	25
Rated	380 V	СТ	1.1	2.2	3.1	3.6	4.7	6.0	9.7	11.8	15.7	20.4
output	300 V	VT	1.3	2.6	3.5	4.5	5.7	7.3	11.5	15.1	20.4	25.0
capacity	480 V	СТ	1.4	2.8	3.9	4.5	5.9	7.6	12.3	14.9	19.9	25.7
[kVA]	40U V	VT	1.7	3.4	4.4	5.7	7.3	9.2	14.5	19.1	25.7	31.5
Rated input	voltage		3-phase 380 V - 15% to 480 V + 10%, 50/60 ± 5%									
Rated output	ut voltage		3-phase 380 to 480 V (The output cannot exceed the incoming voltage).									
Rated output	Rated output current [A] CT VT Short-time deceleration braking torque (%) (Discharge Resistor not connected)		1.8	3.4	4.8	5.5	7.2	9.2	14.8	18.0	24.0	31.0
current [A]			2.1	4.1	5.4	6.9	8.8	11.1	17.5	23.0	31.0	38.0
braking toro			50	50	50	20	20	20	20	20	10	10
Braking Resistor	Regenera braking	ative		I	Built-in Bra	aking Resi	stor circuit	(separate	Discharg	e Resistor)	
circuit *	Min. cor resistan	nectable ce [Ω]	180	180	180	100	100	100	70	70	70	35
Weight [kg]	Weight [kg]			1.6	1.8	1.9	1.9	2.1	3.5	3.5	4.7	5.2
Dimensions (width × height) [mm]					108 × 128			140 × 128	140 >	< 260	180 :	× 296
Dimensions	(depth)	mm]	143.5		17	0.5		170.5	15	55	1	75
* The BBD u	codo in 10	0/_										

* The BRD usage is 10%.

1-phase 200 V Class

Function name			1-phase 200 V								
	Model name (3G3MX2-)			AB002	AB004	AB007	AB015	AB022			
incuci name		- , СТ	AB001 0.1	0.2	0.4	0.75	1.5	2.2			
Applicable	kW	VT	0.2	0.4	0.55	1.1	2.2	3.0			
motor		СТ	0: <u></u> 1/8	1/4	1/2	1	2	3			
capacity	HP	VT	1/4	1/2	3/4	1 1/2	3	4			
		СТ	0.2	0.5	1.0	1.7	2.7	3.8			
Rated output	200 V	VT	0.4	0.6	1.2	2.0	3.3	4.1			
capacity		СТ	0.3	0.6	1.2	2.0	3.3	4.5			
[kVA]	240 V	VT	0.4	0.7	1.4	2.4	3.9	4.9			
Rated input	voltage		1	1-phase 200 V - 15% to 240 V + 10%, 50/60 Hz ± 5%							
Rated outpu	it voltage	!	3-phase 200 to 240 V (The output cannot exceed the incoming voltage).								
Rated outpu	ut CT		1.0	1.6	3.0	5.0	8.0	11.0			
current [A]		VT	1.2	1.9	3.5	6.0	9.6	12.0			
Short-time of braking toro (Discharge R connected)	que (%)		50	50	50	50	50	20			
Braking	Regenera braking	ative	Built-	in Braking R	esistor circuit	(separate Di	scharge Res	istor)			
Resistor circuit *	Min. connectable resistance [Ω]		100	100	100	50	50	35			
Weight [kg]	Weight [kg]		1.0	1.0	1.1	1.6	1.8	1.8			
Dimensions (width × height) [mm]			68 × 128				108×128				
Dimensions	(depth) [mm]	1(109 122.5 170.5							

* The BRD usage is 10%.

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4

Common Specifications

	Function name	Specifications
Enc	losure ratings * 1	Open type (IP20)
	Control method	Phase-to-phase sinusoidal modulation PWM
	Output frequency range *2	0.10 to 400 Hz (or 1,000 Hz in the high-frequency mode; restrictions apply)
	Frequency precision * 3	Digital command: $\pm 0.01\%$ of the max. frequency, Analog command: $\pm 0.2\%$ of the max. frequency (25°C±10°C)
	Frequency setting resolution	Digital setting: 0.01 Hz, Analog setting: One-thousandth of the maximum frequency
_	Voltage/Frequency characteristics	V/f characteristics (constant/reduced torque) Sensorless vector control, V/f control with speed feedback
	Overload current rating	Heavy load rating (CT): 150%/60 s Light load rating (VT): 120%/60 s
د	Instantaneous overcurrent protection	200% of the value of heavy load rating (CT)
	Acceleration/Deceleration time	0.01 to 3600 s (linear/curve selection), acceleration/deceleration 2 setting available
	Carrier frequency adjustment range	2 to 15 kHz (with derating)
	Starting torque	200%/0.5 Hz (sensorless vector control)
	External DC injection braking	Starts at a frequency lower than that in deceleration via the STOP command, at a value set lower than that during operation, or via an external input. (Level and time settable).
Pro	tective functions	Overcurrent, overvoltage, undervoltage, electronic thermal, temperature error, ground fault overcurrent at power-on status, rush current prevention circuit, overload limit, incoming overvoltage, external trip, memory error, CPU error, USP error, communication error, overvoltage suppression during deceleration, protection upon momentary power outage, en ergency cutoff, etc.
gnal	Frequency settings	Digital Operator External analog input signal: Variable resistance/0 to 10 VDC/4 to 20 mA, Modbus communication (Modbus-RTU)
	RUN/STOP command	Digital Operator External digital input signal (3-wire input supported), Modbus communication (Modbus-RTU)
d	Multi-function input	7 points (Selectable from 59 functions)
	Analog input	2 points (Voltage FV terminal: 10 bits/0 to 10 V, Current FI terminal: 10 bits/4 to 20 mA)
	Pulse input	1 point (RP terminal: 32 kHz max, 5 to 24 VDC)
a	Multi-function output	2 points (P1/EDM, P2; selectable from 43 functions)
siyilal	Relay output	1 point (1c contact: MC, MA, MB; selectable from 43 functions)
indino	Analog output (Frequency monitor)	1 point (AN terminal: Voltage 10 bits/0 to 10 V) (Frequency, current selectable)
	Pulse output	1 point (MP terminal: 32 kHz max., 0 to 10 V)
ILIOUS	RS-422	RJ45 connector (for Digital Operator)
Communications	RS-485	Control circuit terminal block, Modbus communication (Modbus-RTU)
Com	USB	USB1.1, mini-B connector
Oth	er functions	AVR function, V/f characteristics switching, upper/lower limit, 16-step speeds, starting frequency adjustment, jogging operation, carrier frequency adjustment, PID control, frequency jump, analog gain/ bias adjustment, S shape acceleration/deceleration, electronic thermal characteristics, level adjustment, restart function, torque boost function, fault monitor, soft lock function, frequency conversion display, USP function, motor 2 control function, UP/DWN, overcurrent suppression function, etc.
ons	Ambient temperature	-10 to 50°C (However, derating is required).
IIICau	Ambient storage temperature	-20°C to 65°C (short-time temperature during transport)
SDCC	Humidity	20% to 90% RH (with no condensation)
General specifications	Vibration	5.9 m/s ² (0.6G), 10 to 55 Hz
Cer	Location	At a maximum altitude of 1,000 m; indoors (without corrosive gases or dust)
)nt	lions	DC reactor, AC reactor, radio noise filter, input noise filter, output noise filter, regenerative braking unit, Braking Resistor, EMC noise filter, etc.

2. Output voltage decreases according to the level of the power supply voltage.

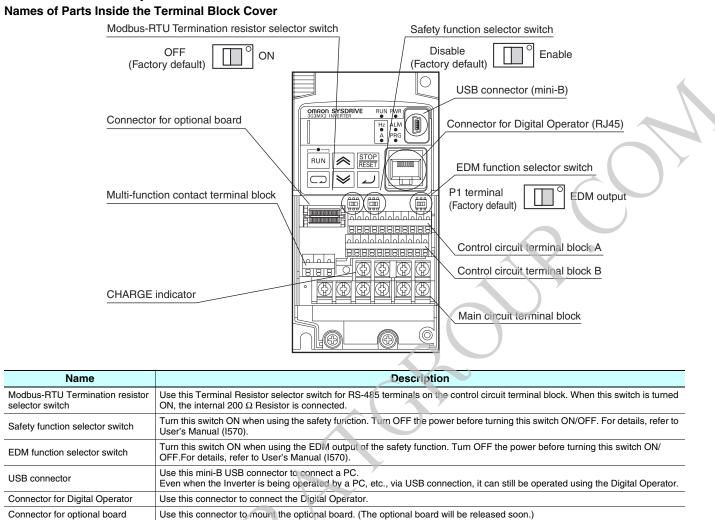
The braking torque at the time of capacitor feedback is an average deceleration torque at the shortest deceleration (when it stops from 3. 50 Hz). It is not a continuous regeneration torque. Also, the average deceleration torque varies depending on the motor loss. The value is reduced in operation over 50 Hz. ***1.** Protection method complies with JEM 1030.

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*2. To operate the motor at over 50/60 Hz, contact the motor manufacturer to find out the maximum allowable speed of revolution.

*3. For the stable control of the motor, the output frequency may exceed the maximum frequency set in A004 (A204) by 2 Hz max.

Terminal Block Specifications



These terminal blocks are used to connect various digital/analog input and output signals for inverter control, etc.

after the power has been cut off. Before wiring, etc. confirm that the Charge LED indicator is turned OFF

This LED indicator is lif if the DC voltage of the main circuit (between terminals P/+2 and N/-) remains approx. 45 V or above

Use this SPDT contact terminal block for relay outputs.

Use this terminal block to connect an output to the motor and Braking Resistor, etc.

Also, use this terminal block to connect the inverter to the main power supply.

Control circuit terminal blocks A

Main circuit terminal block

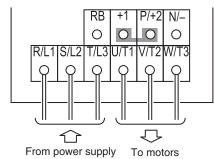
CHARGE indicator

(Charge indicator LED)

Multi-function contact terminal block

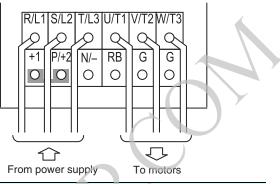
and B

Main Circuit Terminals Specifications [Main Circuit Terminal Block] 3G3MX2-A2001 to A2037 3G3MX2-A4004 to A4040 3G3MX2-AB001 to AB022



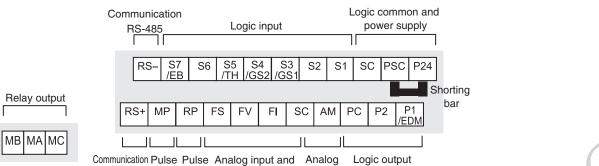
(Connect to L1 and N for 1-phase)

[Main Circuit Terminal Block] 3G3MX2-A2001 to A2037 3G3MX2-A4004 to A4040 3G3MX2-AB001 to AB022



Terminal symbol	Terminal name	Description				
R/L1						
S/L2	Main power supply input terminal	Connect the input AC power supply. In the case of a 1-phase 200 V power supply, connect to L1 and N.				
T/L3						
U/T1						
V/T2	Inverter output terminal	Connect a 3-phase motor.				
W/T3						
+1	DC reactor connection terminal	Remove the shorting bar between terminals +1 and P/+2, and connect the optional DC reactor.				
P/+2	DC reactor connection terminal					
P/+2	Braking Resistor connection	Connect optional braking resistors. (If a braking torque is required)				
RB	terminal	Connect optional blaking resistors. (If a blaking torque is required)				
P/+2	Regenerative braking unit	Connect optional regenerative braking units. (When braking torque is required or the built-in				
N/-	connection terminal	braking circuit is not sufficient)				
G (Ground terminal	This is a ground terminal. Connect this terminal to the ground. Provide Class D grounding for 200 V class models, and class C grounding for 400 V class models. On 200 V class models of 3.7 kW or below and 400 V class models of 4.0 kW or below, the ground terminal is located on the cooling fin.				

Control Circuit Terminals Specifications



RS-485 output input power supply output

		Terminal symbol	Terminal name	Description	Specifications
	Power	SC	Input signal common	This is a common terminal used by the internal power supply, digital input and analog input/ output terminals.	\mathbf{N}
	supply	FS	Frequency reference power supply	10 VDC power supply for the FV terminal.	Allowable max. current: 7 mA
Analog	Frequency	FV	Frequency reference input terminal (analog voltage input)	Use this terminal if the frequency reference is provided by 0 to 10 VDC voltage input.	Input impedance Approx. 10 kΩ Allowable input voltage range -0.3 to +12 VDC
	setting input	FI	Frequency reference terminal (analog current input)	Use this terminal if the frequency reference is provided by 4 to 20 mA current input.	Input impedance 100 Ω Allowable input range 0 to 24 mA
	Sensor input	S5/TH	External thermistor input (also used as multi-function input terminal)	Connect an external thermistor between the SCs, to trip the Inverter when a temperature error occurs. (The inverter will trip when the input from thermistor is approx. $3 k\Omega$ or higher.) Since this input is also used as the multi-function input terminal, setting of C005 is required. For details, refer to User's Manual (I570).	PTC type
	Output	АМ	Multi-function analog output (voltage)	Specified signals can be output using voltage signals of 0 to 10 VDC.	АМ
		SC	Input signal common	This is a common terminal used by the internal power supply, digital input and analog input/ output terminals.	
	Power supply	P24	Power supply terminal for input signal	24 VDC power supply for contact input signal. This is used as a common terminal if the source logic is input.	Allowable max. current: 100 mA
Digital	Suppry	PSC	Power supply terminal for input terminal	Sink logic input: Shorted with P24 Source logic input: Shorted with SC To drive the contact input using an external power supply, remove the shorting bar. For details, refer to User's Manual (1570).	
	Input Contact	S7/EB S6 S5/TH S4/GS2 S3/GS1 S2 S1	Multi-function input terminal	Select 7 functions from among 59, and allocate them to terminals S1 through S7/EB. Both sink and source logics are supported. For details, refer to User's Manual (I570).	Voltage between each input and PS ON voltage: 18 V min. OFF voltage: 3 V max. Allowable max. voltage: 27 VDC
		S4/GS2 S3/GS1	Safety input	Enabled when the safety function selector switch is turned ON. For details, refer to User's Manual (1570).	Load current: 5 mA (at 24 V)

			Terminal symbol	Terminal name	Description	Specifications
	Input	Pulse	RP	Pulse input-A	A pulse input for frequency setting. (Take note that the internal circuit is different from input terminals S7/EB.)	Input pulse 32 kHz max. Voltage between input and SC ON voltage: 4 V min. OFF voltage: 1 V max. Allowable max. voltage: 27 VDC
	dul	Ρ	S7/EB	Pulse input-B	A pulse input for frequency setting. (Take note that the internal circuit is different from input terminal RP.)	Input pulse 1.8 kHz max. ON voltage: 18 V min. OFF voltage: 3 V max. Allowable max. voltage: 27 VDC Load current: 5 mA (at 24 V)
Digital		Open collector	P1/EDM P2	Multi-function output terminal	Select 2 functions from among 43, and allocate them to terminals P1 through P2. Both sink and source logics are supported. For details, refer to User's Manual (I570).	Open collector output Between each terminal and PC Allowable max. voltage: 27 V
Dig		Open	P1/EDM	Safety monitor	Enabled when the EDM function selector switch is ON. For details, refer to "Safety Function" on page 5-167.	Allowable max, current: 50 mA Voltage drop when ON: 4 V max.
	t		MA MB	Relay output terminal		Max. contact capacity MA-MC.
	Output	Relay	МС	Relay output common	Select the desired functions from among 43 functions, and allocate them to these terminals. SPDT contact. The factory default of Relay Output (MA, MB) Contact Selection (C036) is NC contact between MA-MC, and NO contact between MB-MC	250 VAC, 2 A (resistance) 0.2 A (induction) MB-MC: 250 VAC, 1 A (resistance) 0.2 A (induction) Contact min. capacity 100 VAC, 10mA 5 VDC, 100mA
		Pulse	MP	Pulse output	Pulses are output.	Output pulse: 32 kHz max. Output voltage: 10 VDC Allowable max. current: 2 mA
Seria comr	l nunica	ation	RS+ RS-	Modbus port (RS-485)	RS-485 port RS+ RS-485 differential (+) signal RS- RS-485 differential (–) signal	Max. speed: 115.2 kbps Built-in Terminal Resistor: 200 Ω Slide switch selection

Switching Method for Input Control Logics

Multi-function input terminals are set to sink logic at the factory.

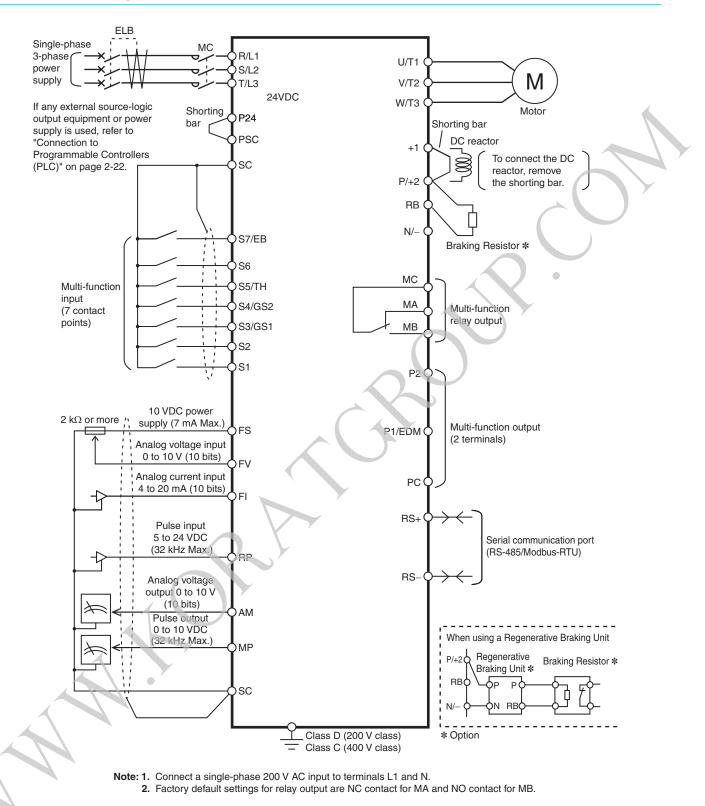
To switch the input control logic to source logic, remove the shorting bar between terminals P24 and PSC on the control circuit terminal block, and connect it between terminals PSC and SC.

(1) Sink logic

(2) Source logic

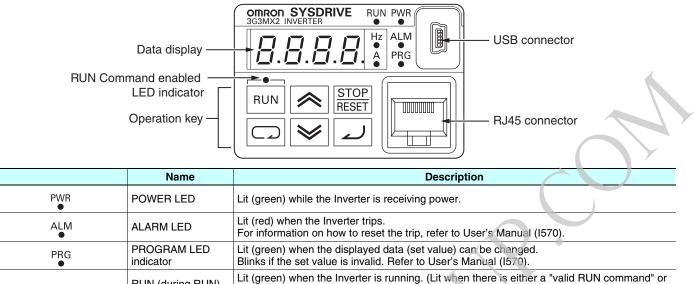


Connection Diagram



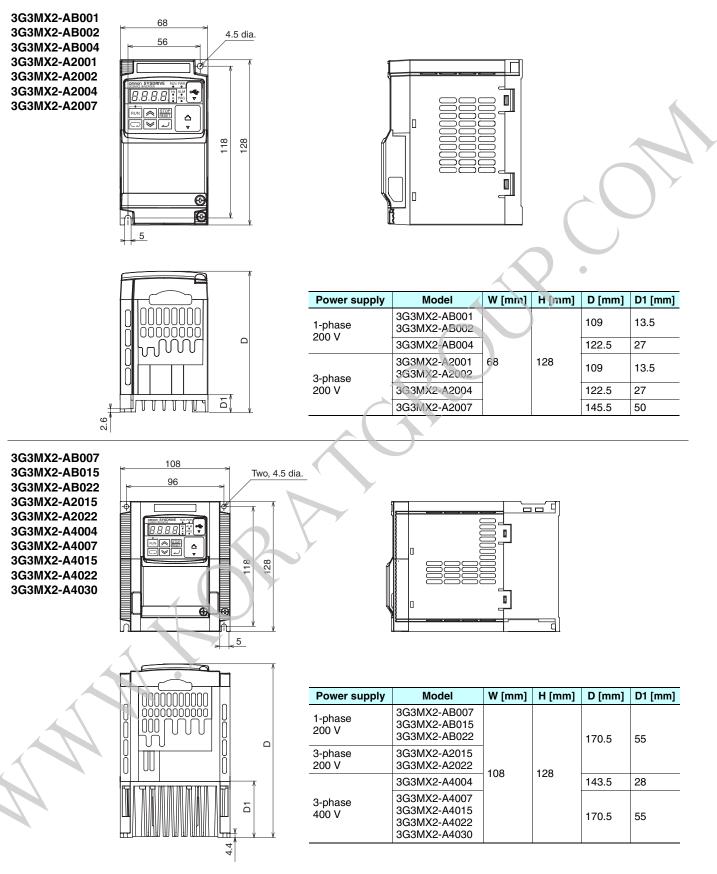
OMRON

Names of Parts and their Descriptions



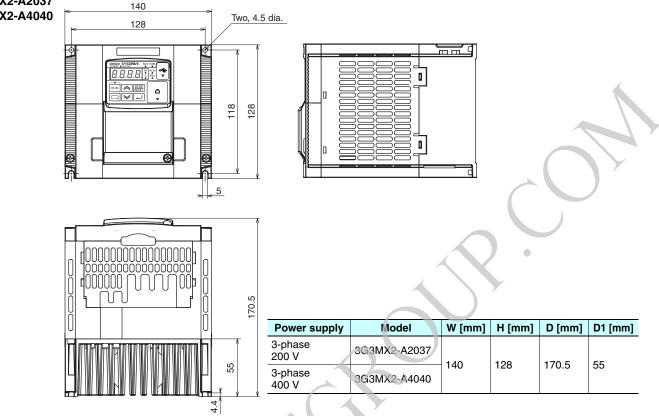
	•	inuicator	Diffics if the set value is invalid. Here to user's Manual (1570).
_	RUN	RUN (during RUN) LED indicator	Lit (green) when the Inverter is running. (Lit when there is either a "valid RUN command" or "inverter output." Accordingly, it is also lit when a RUN command is issued at a set frequency of 0 Hz or while the motor is decelerating after the RUN command is turned OFF.)
_	Hz ●	Monitor LED indicator (Hz)	Lit (green) when the displayed data is frequency.
	A •	Monitor LED indicator (A)	Lit (green) when the displayed data is current.
	, ●	RUN Command enabled LED indicator	Lit (green) when the RUN command is set to the Digital Operator. (The RUN key on the Digital Operator is enabled.)
_	8.8.8.8.	Display	Various parameters, frequency/set value and other data are displayed (red).
	RUN	RUN key	Runs the Inverter. Take note that this key is enabled only when the RUN command destination is the Digital Operator.
-	STOP RESET	STOP/RESET key	This key decelerates the Inverter to a stop. (Although the STOP/RESET key is enabled even when a RUN command is issued to a destination other than the Digital Operator (factory default), it can be disabled by a Setting (b087).) If the Inverter is already tripped, the trip will be reset (return from the tripping).
_		Mode key	Parameter is displayed: Move to the beginning of the next function group.Data is displayed:Cancel the setting and return to the parameter display.Individual input mode:Move the blinking digit to the left.Regardless of the displayed screen, pressing and holding this key (for 1 second or more)displays the data for Output Frequency Monitor (d001).
		Increment key Decrement key	These keys are used to increment/decrement a parameter or set data. Pressing and holding each key increases the incrementing/decrementing speed. Pressing the Increment and Decrement keys together activates the "Individual Input MODE" where each digit can be edited independently.
		Enter key	Parameter is displayed: Move to the data display. Data is displayed: Confirm/store the setting (in the EEPROM) and return to the parameter display. Individual input mode: Move the blinking digit to the right.
		USB connector	Use this connector (mini-B type) to connect a PC. The Inverter can still be operated from the Digital Operator even when it is being operated using a PC, etc., via USB communication.
		RJ45 connector	Use this connector (RS-422) to connect the optional Remote Operator. Once the Remote Operator is connected, the keys on the main unit become disabled. In this case, use b150 to set the item to be displayed.

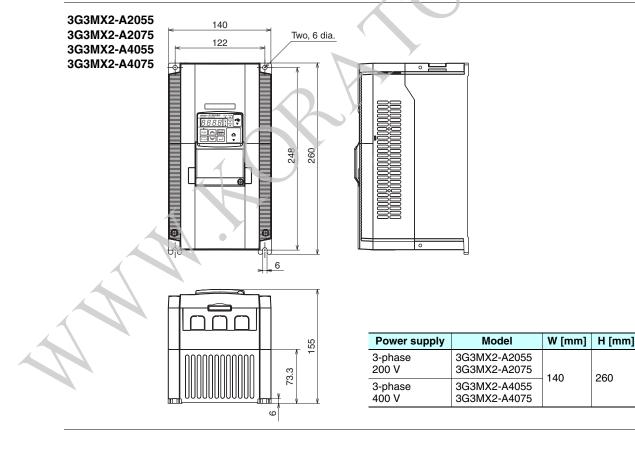
(Unit: mm)



Dimensions





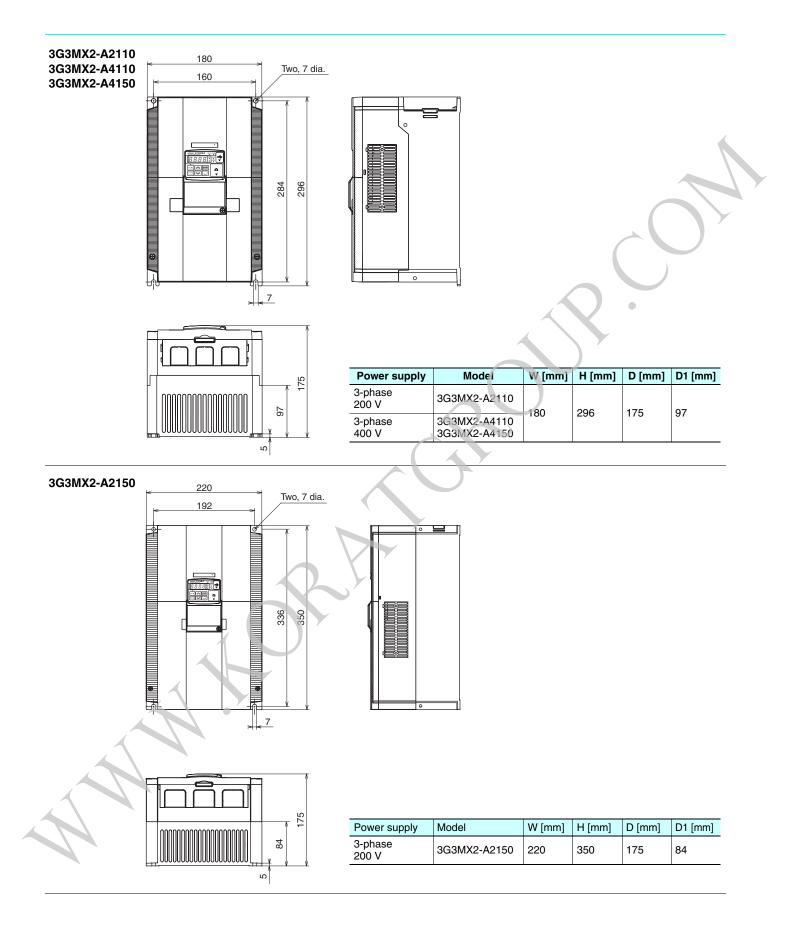


D [mm]

155

D1 [mm]

73.3



3G3MX2 Related Options

Name		Model		
Regenerative Braking Units	0. = = = = 000. \/A.C.	General purpose with Braking resistor	3G3AX-RBU21	
	3-phase 200 VAC	High Regeneration purpose with Braking resistor	3G3AX-RBU22	
	3-phase 400 VAC	General purpose with Braking resistor	3G3AX-RBU41	
Braking Resistor	Compact type	Resistor 120 W, 180 Ω	3G3AX-RBA1201	
		Resistor 120 W, 100 Ω	3G3AX-RBA1202	
		Resistor 120 W, 5 Ω	3G3AX-RBA1203	
		Resistor 120 W, 35 Ω	3G3AX-RBA1204	
	Standard type	Resistor 200 W, 180 Ω	3G3AX-RBB2001	
		Resistor 200 W, 100 Ω	3G3AX-R6B2002	
		Resistor 300 W, 50 Ω	3G3AX-RBB3001	
		Resistor 400 W, 35 Ω	3G3AX-RBB4001	
	Medium capacity type	Resistor 400 W, 50 Ω	3C 3AX-RBC4001	
		Resistor 600 W, 35 Ω	3G3AX-RBC6001	
		Resistor 1200 W, 17 Ω	3G3AX-RBC12001	

Name	Specifications of Inverter			Model
Name	Voltage class	CT: Heavy load	VT: Light load	Woder
		0.1 kW	0.2 kW	3G3AX-DL2002
		0.2 kW	0.4 kW	3G3AX-DL2004
		0.4 kW	0.75 kW	3G3AX-DL2007
		0.75 kW	1.1 kW	3G3AX-DL2015
		1.5 kW	2.2 kW	3G3AX-DL2022
	3-phase 200 VAC	2.2 kW	3.0 kW	3G3AX-DL2037
		3.7 kW	5.5 kW	3G3AX-DL2055
		5.5 kW	7.5 kW	3G3AX-DL2075
		7.5 kW	11 kW	3G3AX-DL2110
		11 kW	15 kW	3G3AX-DL2150
		15 kW	18.5 kW	3G3AX-DL2220
	1-phase 200 VAC 3-phase 400 VAC	0.1 kW	0.2 kW	3G3AX-DL2002
		0.2 kW	0.4 kW	3G3AX-DL2004
C Reactor		0.4 kW	0.55 kW	3G3AX-DL2007
		● 0.75 kW	1.1 kW	3G3AX-DL2015
		1.5 kW	2.2 kW	3G3AX-DL2022
		2.2 kW	3.0 kW	3G3AX-DL2037
		0.4 kW	0.75 kW	3G3AX-DL4007
		0.75 kW	1.5 kW	3G3AX-DL4015 *
		1.5 kW	2.2 kW	3G3AX-DL4022
		2.2 kW	3.0 kW	3G3AX-DL4037
		3.0 kW	4.0 kW	3G3AX-DL4037
		4.0 kW	5.5 kW	3G3AX-DL4055
		5.5 kW	7.5 kW	3G3AX-DL4075 *
		7.5 kW	11 kW	3G3AX-DL4110 *
		11 kW	15 kW	3G3AX-DL4150
		15 kW	18.5 kW	3G3AX-DL4220

Name	Specifications of Inverter			Model
	Voltage class	CT: Heavy load	VT: Light load	
		0.1 kW	0.2 kW	3G3AX-ZCL2
	3-phase 200 VAC	0.2 kW	0.4 kW	3G3AX-ZCL2
		0.4 kW	0.75 kW	3G3AX-ZCL2
		0.75 kW	1.1 kW	3G3AX-ZCL2
		1.5 kW	2.2 kW	3G3AX-ZCL2
		2.2 kW	3.0 kW	3G3AX-ZCL2
		3.7 kW	5.5 kW	3G3AX-ZCL1
		5.5 kW	7.5 kW	3G3AX-ZCL1
		7.5 kW	11 kW	3G3AX-ZCL1
		11 kW	15 kW	3G3AX-ZCL1
		15 kW	18.5 kW	3G3AX-ZCL1
		0.1 kW	0.2 kW	3G3AX-ZCL2
		0.2 kW	0.4 kW	3G3AX-ZCL2
	1-phase 200 VAC	0.4 kW	0.55 kW	3G3 AX-ZCL2
	1-phase 200 VAC	0.75 kW	1.1 kW	3G3AX-ZCL2
		1.5 kW	2.2 kW	3G3AX-ZCL2
adio Noise Filter		2.2 kW	3.0 kW	3G3AX-ZCL2
		0.4 kW	0.75 kW	3G3AX-ZCL1 (3G3AX-ZCL2)
	3-phase 400 VAC	0.75 kW	1.5 kW	3G3AX-ZCL1 (3G3AX-ZCL2)
		1.5 kW	2.2 kW	3G3AX-ZCL1 (3G3AX-ZCL2)
		2.2 kW	3.0 kW	3G3AX-ZCL1 (3G3AX-ZCL2)
		3.0 kW	4.0 kW	3G3AX-ZCL1 (3G3AX-ZCL2)
		4.0 kW	5.5 kW	3G3AX-ZCL1 (3G3AX-ZCL2)
		5.5 kW	7.5 kW	3G3AX-ZCL1 (3G3AX-ZCL2)
		7.5 kW	11 kW	3G3AX-ZCL1
		11 kW	15 kW	3G3AX-ZCL1
		15 kW	18.5 kW	3G3AX-ZCL1
		0.1 kW	0.2 kW	3G3AX-NFI21
		0.2 kW	0.4 kW	3G3AX-NFI21
		0.4 kW	0.75 kW	3G3AX-NFI21
		0.75 kW	1.1 kW	3G3AX-NFI22
		1.5 kW	2.2 kW	3G3AX-NFI23
	3-phase 200 VAC	2.2 kW	3.0 kW	3G3AX-NFI23
		3.7 kW	5.5 kW	3G3AX-NFI24
nput Noise Filter		5.5 kW	7.5 kW	3G3AX-NFI25
		7.5 kW	11 kW	3G3AX-NFI26
		11 kW	15 kW	3G3AX-NFI27
		15 kW	18.5 kW	3G3AX-NFI28
		0.1 kW	0.2 kW	3G3AX-NFI21
		0.2 kW	0.2 kW	3G3AX-NFI21
		0.2 kW	0.55 kW	3G3AX-NFI22
	1-phase 200 VAC	0.75 kW	1.1 kW	3G3AX-NFI23
		1.5 kW	2.2 kW	3G3AX-NFI23 *
		2.2 kW	3.0 kW	3G3AX-NFI24

Name		Specifications of Inverte		Model
	Voltage class	CT: Heavy load	VT: Light load	000 AV 11-11
		0.4 kW	0.75 kW	3G3AX-NFI41
		0.75 kW	1.5 kW	3G3AX-NFI41
	3-phase 400 VAC	1.5 kW	2.2 kW	3G3AX-NFI41
		2.2 kW	3.0 kW	3G3AX-NFI42
Input Noise Filter		3.0 kW	4.0 kW	3G3AX-NFI42
		4.0 kW	5.5 kW	3G3AX-NFI43
		5.5 kW	7.5 kW	3G3AX-NFI43
		7.5 kW	11 kW	3G3AX-NFI44
		11 kW	15 kW	3G3AX-N⊟I45
		15 kW	18.5 kW	3G3AX-NFI46
		0.1 kW	0.2 kW	
		0.2 kW	0.4 kW	
		0.4 kW	0.75 kW	
		0.75 kW	1.1 kW	
		1.5 kW	2.2 kW	
	3-phase 200 VAC	2.2 kW	3.0 kW	
		3.7 kW	5.5 kW	
		5.5 kW	7.5 kW	1
		7.5 kW	11 kW	1
		11 kW	15 kW	_
		15 kW	18.5 kW	_
		0.1 kW	0.2 kW	_
		0.2 kW	0.4 kW	_
EMC-compatible Noise Filter	r	0.4 kW	0.55 kW	Under Development
	1-phase 200 VAC	0.75 kW	1.1 kW	
		1.5 kW	2.2 kW	_
		2.2 kW	3.0 kW	_
		0.4 kW	0.75 kW	_
		0.75 kW	1.5 kW	_
		1.5 kW	2.2 kW	_
		2.2 kW	3.0 kW	_
		3.0 kW	4.0 kW	_
	3-phase 400 VAC	4.0 kW	5.5 kW	_
		5.5 kW	7.5 kW	_
1		7.5 kW	11 kW	_
		11 kW	15 kW	1
		15 kW	18.5 kW	1
		0.1 kW	0.2 kW	3G3AX-NFO01
	•	0.2 kW	0.4 kW	3G3AX-NFO01
		0.4 kW	0.75 kW	3G3AX-NFO01
		0.75 kW	1.1 kW	3G3AX-NFO02
		1.5 kW	2.2 kW	3G3AX-NFO02
	3-phase 200 VAC	2.2 kW	3.0 kW	3G3AX-NFO03
		3.7 kW	5.5 kW	3G3AX-NFO03
		5.5 kW	7.5 kW	3G3AX-NFO04
Output Noise Filter		7.5 kW	11 kW	3G3AX-NFO04
		11 kW	15 kW	3G3AX-NFO05
		15 kW	18.5 kW	3G3AX-NFO06
		0.1 kW	0.2 kW	3G3AX-NFO01
		0.1 kW	0.2 kW 0.4 kW	3G3AX-NFO01
		0.2 kW 0.4 kW	0.4 kW 0.55 kW	3G3AX-NFO01 3G3AX-NFO02
	1-phase 200 VAC	0.4 kW 0.75 kW	0.55 kW 1.1 kW	3G3AX-NFO02 3G3AX-NFO02
		1.5 kW	2.2 kW	3G3AX-NFO03

Name	Specifications of Inverter			Model
ivame	Voltage class	CT: Heavy load	VT: Light load	wodei
		0.4 kW	0.75 kW	3G3AX-NFO01
		0.75 kW	1.5 kW	3G3AX-NFO01
		1.5 kW	2.2 kW	3G3AX-NFO02
		2.2 kW	3.0 kW	3G3AX-NFO02
Jutput Noice Filter	2 phase 400 V/AC	3.0 kW	4.0 kW	3G3AX-NFO02
Output Noise Filter	3-phase 400 VAC	4.0 kW	5.5 kW	3G3AX-NFO03
		5.5 kW	7.5 kW	3G3AX-NFO03
		7.5 kW	11 kW	3G3AX-NFO03
		11 kW	15 kW	3G3AX-NFO04
		15 kW	18.5 kW	3G3AX-NFO04
		0.1 kW	0.2 kW	3G3AX AL2025
		0.2 kW	0.4 kW	3G3AX-AL2025
		0.4 kW	0.75 kW	3G3AX-AL2025
		0.75 kW	1.1 kW	3G3 AX-AL 2025
		1.5 kW	2.2 kW	3G3AX-AL2055
	3-phase 200 VAC	2.2 kW	3.0 kW	3G3AX-AL2055
		3.7 kW	5.5 kW	3G3AX-AL2110
		5.5 kW	7.5 kW	3G3AX-AL2110 *
		7.5 kW	11 kW	3G3AX-AL2220
		11 kW	15 kW	3G3AX-AL2220 *
		15 kW	18.5 kW	3G3AX-AL2330
		0.1 kW	0.2 kW	3G3AX-AL2025
		0.2 kW	0.4 kW	3G3AX-AL2025
AC Reactor	1-phase 200 VAC	0.4 kW	0.55 kW	3G3AX-AL2025
		0.75 kW	1.1 kW	3G3AX-AL2055
		1.5 kW	2.2 kW	3G3AX-AL2055 *
		2.2 kW	3.0 kW	3G3AX-AL2110
		0.4 kW	0.75 kW	3G3AX-AL4025
		0.75 kW	1.5 kW	3G3AX-AL4025
		1.5 kW	2.2 kW	3G3AX-AL4055
		2.2 kW	3.0 kW	3G3AX-AL4055
		3.0 kW	4.0 kW	3G3AX-AL4055
	3-phase 400 VAC	4.0 kW	5.5 kW	3G3AX-AL4110
		5.5 kW	7.5 kW	3G3AX-AL4110 *
		7.5 kW	11 kW	3G3AX-AL4220
		11 kW	15 kW	3G3AX-AL4220 *
		15 kW	18.5 kW	3G3AX-AL4330
Digital Operator		1	1	3G3AX-OP01

Note: When using the Inverter for light load rating, select the model with one size larger capacity (rated current). * Only the CT rating is supported.

Related Manuals

Man No.	Model	Category
1570	3G3MX2	USERS MANUAL
W453	CXONE-ALL C/D-V WS02-DRVC01	OPERATION MANUAL

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