

**Product Discontinuation
Notices**

Inverters

Issue Date
October 1, 2021

No. 2021E006C(2)

**Discontinuation Notice of High-function General-purpose Inverter
3G3RX-[-]E1F (For Europe area only).****<< REQUEST >>**

There was modification in portion of Product Discontinuation notices of Product News No. 2021E006C of May 2021 issue. What we have changed is as follows; Change [Final order entry date], [Date of The Last Shipping] and [Scheduled date of maintenance close].

Please abolish old edition, replace the latest No. 2021E006C(2).

Product Discontinuation

High-function General-purpose Inverter

Model 3G3RX-[-]E1F**Recommended Replacement**

High-function General-purpose Inverter

Model 3G3RX2-[-]**[Final order entry date]**

The end of August, 2022

Note: Discontinuation date of network options is the end of March, 2029.

[Date of The Last Shipping]

The end of August, 2022

[Scheduled date of maintenance close]

The end of August, 2029

[Caution on recommended replacement]

- (1) Mounting dimensions of 3G3RX-[-]E1F and 3G3RX2-[-] are same. Not need to additional hole.
- (2) Name, arrangement and wiring for the main circuit terminal block and the control circuit terminal block have some differences.
- (3) Default parameter value and parameter functions have some differences between 3G3RX-[-]E1F and 3G3RX2-[-].
- (4) PG option board and network option for 3G3RX-[-]E1F can't be used for 3G3RX2-[-].
- (5) The operator for 3G3RX-[-]E1F has 4digit LED display however 3G3RX2-[-] have LCD display. Operation will be improved.
- (6) 3G3RX-[-]E1F have 3G3RX-A4004-E1F (400V class 0.4kw capacitor). However 3G3RX2-[-] doesn't have 3G3RX2-A4004. So please to be replaced by 3G3RX2-A4007.
- (7) The default setting of the control circuit is source logic, which is different from the 3G3RX-[-]E1F. Make sure that the switch setting matches the circuit after wiring before turning ON power.
- (8) Although the built-in EMC noise filter of 3G3RX-[-]E1F is disabled as default, that of 3G3RX2-[-] is enabled as default.

Disable the EMC filter by changing the wiring of the EMC filter in some of the following cases:

- When an external noise filter is used
- When the built-in EMC noise filter is used in a power supply environment different from that of Europe

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
3G3RX2-□	**	*	--	**	*	*	--

- ** : Compatible
- * : The change is a little/Almost compatible
- : Not compatible
- : No corresponding specification

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
3G3RX-A2004-E1F	3G3RX2-A2004
3G3RX-A2007-E1F	3G3RX2-A2007
3G3RX-A2015-E1F	3G3RX2-A2015
3G3RX-A2022-E1F	3G3RX2-A2022
3G3RX-A2037-E1F	3G3RX2-A2037
3G3RX-A2055-E1F	3G3RX2-A2055
3G3RX-A2075-E1F	3G3RX2-A2075
3G3RX-A2110-E1F	3G3RX2-A2110
3G3RX-A2150-E1F	3G3RX2-A2150
3G3RX-A2185-E1F	3G3RX2-A2185
3G3RX-A2220-E1F	3G3RX2-A2220
3G3RX-A2300-E1F	3G3RX2-A2300
3G3RX-A2370-E1F	3G3RX2-A2370
3G3RX-A2450-E1F	3G3RX2-A2450
3G3RX-A2550-E1F	3G3RX2-A2550
3G3RX-A4004-E1F	3G3RX2-A4007
3G3RX-A4007-E1F	3G3RX2-A4007
3G3RX-A4015-E1F	3G3RX2-A4015
3G3RX-A4022-E1F	3G3RX2-A4022
3G3RX-A4040-E1F	3G3RX2-A4037
3G3RX-A4055-E1F	3G3RX2-A4055
3G3RX-A4075-E1F	3G3RX2-A4075
3G3RX-A4110-E1F	3G3RX2-A4110
3G3RX-A4150-E1F	3G3RX2-A4150
3G3RX-A4185-E1F	3G3RX2-A4185
3G3RX-A4220-E1F	3G3RX2-A4220
3G3RX-A4300-E1F	3G3RX2-A4300
3G3RX-A4370-E1F	3G3RX2-A4370
3G3RX-A4450-E1F	3G3RX2-A4450
3G3RX-A4550-E1F	3G3RX2-A4550
3G3RX-B4750-E1F	3G3RX2-B4750
3G3RX-B4900-E1F	3G3RX2-B4900
3G3RX-B411K-E1F	3G3RX2-B411K
3G3RX-B413K-E1F	3G3RX2-B413K

[Body color]

Product discontinuation Model 3G3RX-[-]E1F	Recommendable replacement Model 3G3RX2-[-]
3G3RX-[-]E1F Black.	3G3RX2-[-] Black.

[Wire connection]

Product discontinuation Model 3G3RX-[-]E1F	Recommendable replacement Model 3G3RX2-[-]
<p>3G3RX-[-]E1F Circuit Diagram</p> <p>To wire the control circuit power supply and main circuit power supply separately, be sure to remove the J51 connector wire first.</p> <p><small>* L is the common reference for analog input and also for analog output.</small></p>	<p>3G3RX2-[-] Main Circuit Diagram</p> <p>Control Circuit Diagram</p> <p>You can switch between the sink logic and source logic for input terminals by using SW6.</p> <p>* The signal ground for RS485 terminal is CM1.</p>

[Difference of Terminal Block]

Main Circuit Terminal Block

Product discontinuation Model 3G3RX-[-]E1F		Recommendable replacement Model 3G3RX2-[-]	
Terminal	Terminal name	Terminal	Terminal name
PD/+1	External DC reactor terminal	PD	DC reactor connection terminal
P/+	Braking resistor connection terminal	P	Connection terminal for regenerative braking unit

[Difference of Terminal Block]

Control Circuit Terminal Block

Item	Product discontinuation Model 3G3RX-[-]E1F	Recommendable replacement Model 3G3RX2-[-]
Changing input control logic	By factory default, the terminal FW and the multi-function input terminals are set to sink logic (NPN). To change the input control logic to source logic (PNP), remove the short-circuit bar between the terminals P24 and PLC on the control circuit terminal block, and connect it between the terminals PLC and CM1.	You can switch between the sink logic and source logic for input terminals by using SW6. (The default setting is source logic.)
Additional function	-	Backup 24 V power supply terminal
	-	1a relay terminal
	-	Function safety terminal

Product discontinuation Model 3G3RX-[-]E1F		Recommendable replacement Model 3G3RX2-[-]		Remarks
Terminal	Terminal name	Terminal	Terminal name	
H	Frequency reference power supply output	H	Power supply for setting speed	
O	Frequency reference input (Voltage reference)	Ai1 Ai2	Analog input terminal 1/2 (voltage/current switching SW 1/2)	On 3G3RX-E1F, O is specified for voltage input. And OI is specified for current input. On 3G3RX2, for Ai1 and Ai2, 0-10VDC voltage input and 0-20mA current input can be switched using a switch for use. It can be used for input frequency command or feedback.
OI	Frequency reference input (Current reference)			
O2	Auxiliary frequency reference input (Voltage reference)	Ai3	Analog input terminal 3	
L	Frequency reference common	L	Analog power Common	
AM	Multi-function analog output (Voltage)	Ao1 Ao2	Analog output terminal 1/2 (voltage/current switching SW 3/4)	On 3G3RX-E1F, AM is specified for voltage output. And AMI is specified for current output. On 3G3RX2, for Ao1 and Ao2, 0-10VDC voltage output and 0-20mA current output can be switched using a switch as output of information monitor data of the inverter.
AMI	Multi-function analog output (Current)			
FM	Multi-function digital output	FM	Digital monitor (voltage)	
CM1	Sequence input common	CM1	Common for digital monitor	

[Difference of Terminal Block]

Product discontinuation Model 3G3RX-[-]E1F		Recommendable replacement Model 3G3RX2-[-]		Remarks
Terminal	Terminal name	Terminal	Terminal name	
1 2 3 4 5 6 7 8	Multi-function input	1 2 3 4 5 6 7 8	Input terminal	
FW		Forward RUN command terminal		
PLC	Multi-function input common	COM	Common for input terminal	
11 12 13 14 15	Multi-function output	11 12 13 14 15	Output terminal	
CM2		Multi-function output common		
AL2	Multi-function relay output Select	AL0	1c relay terminal	On 3G3RX-E1F, By factory default, Multi-function Relay Output (AL2, AL1) Operation Selection (C036) is set at NC contact between AL2 and AL0, and NO contact between AL1 and AL0. On 3G3RX2, by factory default, Relay output terminal function selection a/b (NO/NC) selection (CC-17) is set at NO contact between AL0 and AL2.
AL1		AL1		
AL0	Multi-function relay output common	AL2		
TH	External thermistor input terminal	TH+	External thermistor Input	
-	-	16A	1a relay terminal	NO contact relay added to 3G3RX2. You can select the function by setting the parameter of output terminal 16.
-		16C		

[Mounting dimensions]

Product discontinuation Model 3G3RX-[-]E1F	Recommendable replacement Model 3G3RX2-[-]		
Mounting dimensions for 3G3RX-[-]E1F and 3G3RX2-[-] are same.			
Model	Width	Height	Screw
A2004/A2007/A2015/A2022/A2037/A4004(3G3RX)/A4007/A4015/A4022/A4037	130	241	M5
A2055/A2075/A2110/A4055/A4075/A4110	189	246	M6
A2150/A2185/A2220/A4150/A4185/A4220	229	376	M6
A2300/A4300	265	510	M8
A2370/A2450/A4370/A4450/A4550	300	520	M10
A2550	380	670	M10
B4750/B4900	300	670	M10
B411K/B413K	380	710	M10

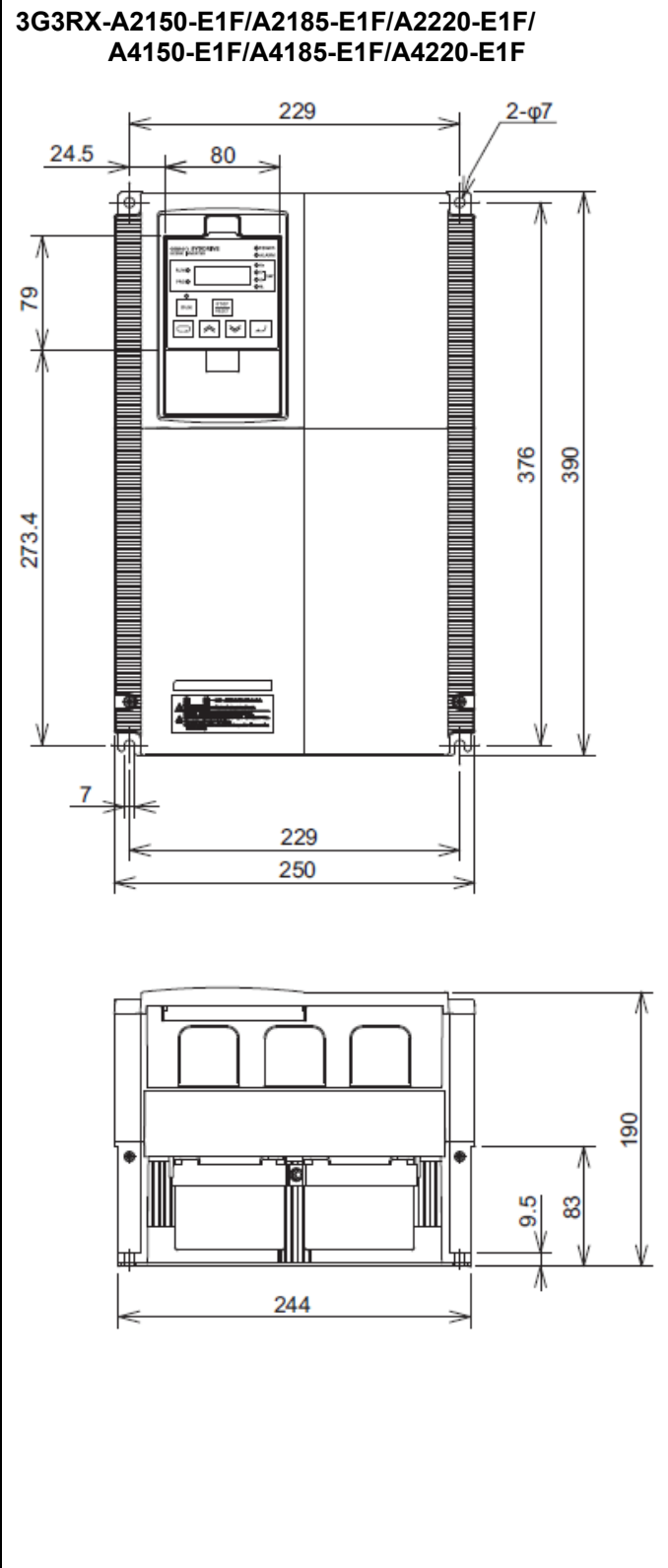
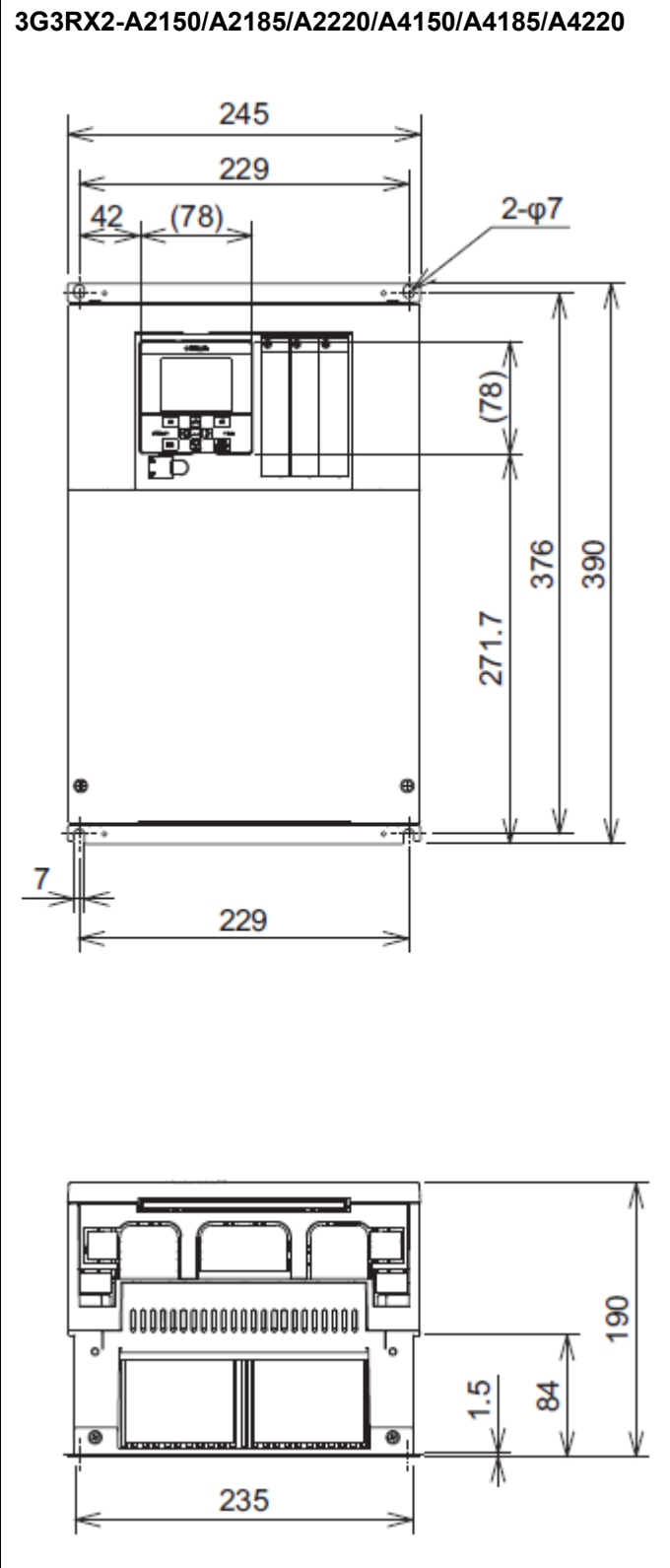
[Dimensions]

<p>Product discontinuation Model 3G3RX-[-]E1F</p>	<p>Recommendable replacement Model 3G3RX2-[-]</p>
<p>3G3RX-A2004-E1F/A2007-E1F/A2015-E1F/ A2022-E1F/A2037-E1F/A4004-E1F/ A4007-E1F/A4015-E1F/A4022-E1F/ A4037-E1F</p>	<p>3G3RX2-A2004/A2007/A2015/A2022/A2037/A4007/ A4015/A4022/A4037</p>

[Dimensions]

<p>Product discontinuation Model 3G3RX-[-]E1F</p>	<p>Recommendable replacement Model 3G3RX2-[-]</p>
<p>3G3RX-A2055-E1F/A2075-E1F/A2110-E1F/ A4055-E1F/A4075-E1F/A4110-E1F</p>	<p>3G3RX2-A2055/A2075/A2110/A4055/A4075/A4110</p>

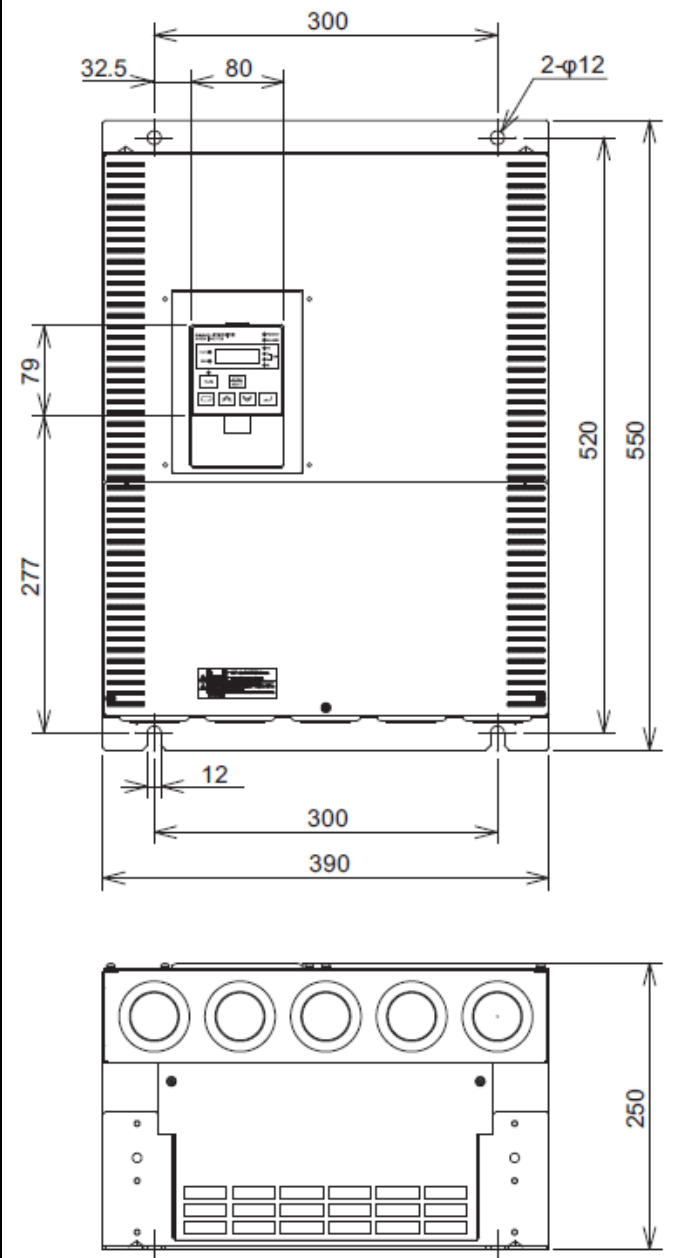
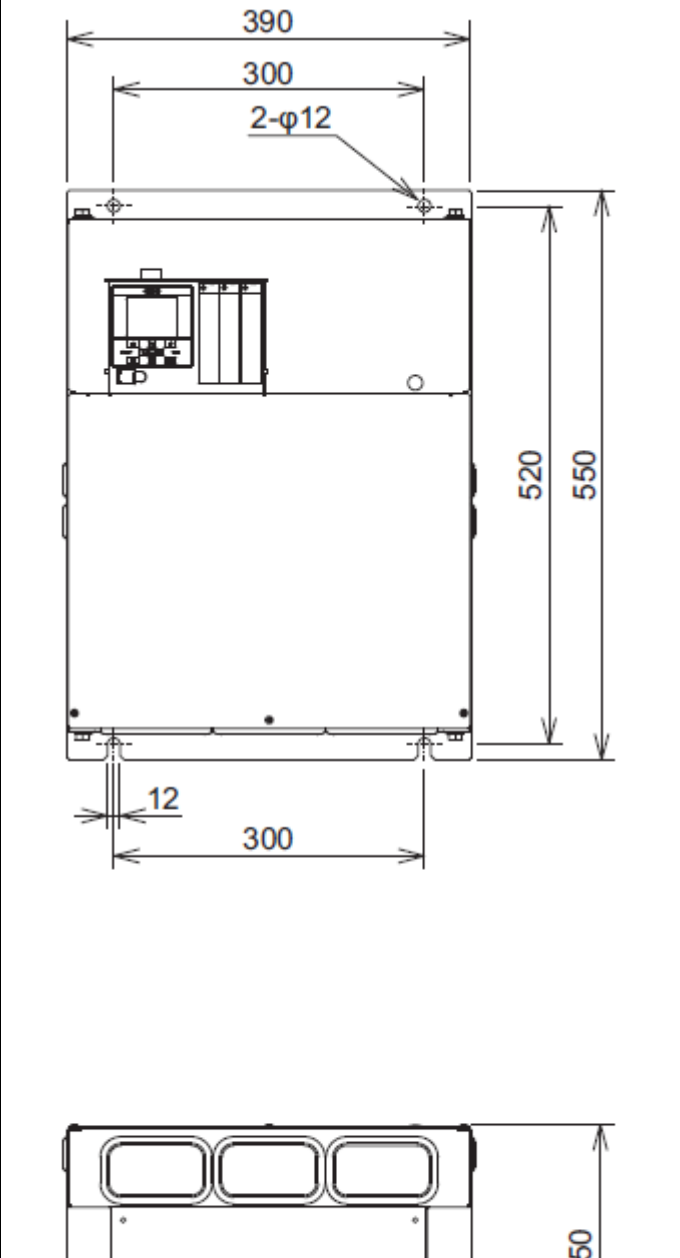
[Dimensions]

<p>Product discontinuation Model 3G3RX-[-]E1F</p>	<p>Recommendable replacement Model 3G3RX2-[-]</p>
<p>3G3RX-A2150-E1F/A2185-E1F/A2220-E1F/ A4150-E1F/A4185-E1F/A4220-E1F</p> 	<p>3G3RX2-A2150/A2185/A2220/A4150/A4185/A4220</p> 

[Dimensions]

<p>Product discontinuation Model 3G3RX-[-]E1F</p>	<p>Recommendable replacement Model 3G3RX2-[-]</p>
<p>3G3RX-A2300-E1F/A4300-E1F</p>	<p>3G3RX2-A2300/A4300</p>

[Dimensions]

<p>Product discontinuation Model 3G3RX-[-]E1F</p>	<p>Recommendable replacement Model 3G3RX2-[-]</p>
<p>3G3RX-A2370-E1F/A2450-E1F/A4370-E1F/ A4450-E1F/A4550-E1F</p> 	<p>3G3RX2-A2370/A2450/A4370/A4450/A4550</p> 

[Dimensions]

<p>Product discontinuation Model 3G3RX-[-]E1F</p>	<p>Recommendable replacement Model 3G3RX2-[-]</p>
<p>3G3RX-A2550-E1F</p>	<p>3G3RX2-A2550</p>

[Dimensions]

<p>Product discontinuation Model 3G3RX-[-]-E1F</p>	<p>Recommendable replacement Model 3G3RX2-[-]</p>
<p>3G3RX-B4750-E1F/B4900-E1F</p>	<p>3G3RX2-B4750/B4900</p>

[Dimensions]

<p>Product discontinuation Model 3G3RX-[-]E1F</p>	<p>Recommendable replacement Model 3G3RX2-[-]</p>
<p>3G3RX-B411K-E1F/B413K-E1F</p>	<p>3G3RX2-B411K/B413K</p>

[Characteristics]

Item	Product discontinuation Model 3G3RX-[-E1F					Recommendable replacement Model 3G3RX2-[-]				
		A2004	A2007	A2015	A2022		A2004	A2007	A2015	A2022
Applicable motor (4-pole) capacity [kW]	CT	0.4	0.75	1.5	2.2	ND	0.4	0.75	1.5	2.2
	VT	0.75	1.5	2.2	3.7	LD	0.75	1.5	2.2	3.7
						VLD	0.75	1.5	2.2	3.7
Rated input voltage	3-phase: 200 V -15% to 240 V 10%, 50/60 Hz ±5%					3-phase: 200 V -15% to 240 V 10%, 50/60 Hz ±5%				
Rated input current [A]	CT	3.3	5.5	8.3	12	ND	3.8	6.0	9.5	13.1
	VT	3.9	7.2	10.8	13.9	LD	4.4	7.5	11.2	14.3
						VLD	5.2	9.5	12.4	18.6
Rated output voltage	3-phase (3-wire) 200 to 240 V (depending on receiving voltage)					3-phase (3-wire) 200 to 240 V (depending on receiving voltage)				
Rated output current [A]	CT	3.0	5.0	7.5	10.5	ND	3.2	5.0	8.0	11.0
	VT	3.7	6.3	9.4	12	LD	3.7	6.3	9.4	12.0
						VLD	4.4	8.0	10.4	15.6
Operating ambient temperature	CT (Heavy Load)		-10 to 50°C			ND (Normal Duty)		-10 to 50°C		
	VT (Light Load)		-10 to 40°C			LD (Low Duty)		-10 to 45°C		
						VLD (Very Low Duty)		-10 to 40°C		
Storage ambient temperature	-20 to 65°C					-20 to 65°C				
Operating ambient humidity	20% to 90%RH (location free of condensation)					20% to 90%RH (location free of condensation)				

Item	Product discontinuation Model 3G3RX-[-E1F					Recommendable replacement Model 3G3RX2-[-]				
		A2037	A2055	A2075	A2110		A2037	A2055	A2075	A2110
Applicable motor (4-pole) capacity [kW]	CT	3.7	5.5	7.5	11	ND	3.7	5.5	7.5	11
	VT	5.5	7.5	11	15	LD	5.5	7.5	11	15
						VLD	5.5	7.5	11	15
Rated input voltage	3-phase: 200 V -15% to 240 V 10%, 50/60 Hz ±5%					3-phase: 200 V -15% to 240 V 10%, 50/60 Hz ±5%				
Rated input current [A]	CT	18	26	35	51	ND	20.8	29.8	38.1	54.8
	VT	23	37	48	64	LD	23.3	35.7	47.6	66.7
						VLD	27.1	39.3	54.8	71.4
Rated output voltage	3-phase (3-wire) 200 to 240V (depending on receiving voltage)					3-phase (3-wire) 200 to 240 V (depending on receiving voltage)				
Rated output current [A]	CT	16.5	24	32	46	ND	17.5	25.0	32.0	46.0
	VT	19.6	30	44	58	LD	19.6	30.0	40.0	56.0
						VLD	22.8	33.0	46.0	60.0
Operating ambient temperature	CT (Heavy Load)		-10 to 50°C			ND (Normal Duty)		-10 to 50°C		
	VT (Light Load)		-10 to 40°C			LD (Low Duty)		-10 to 45°C		
						VLD (Very Low Duty)		-10 to 40°C		
Storage ambient temperature	-20 to 65°C					-20 to 65°C				
Operating ambient humidity	20% to 90%RH (location free of condensation)					20% to 90%RH (location free of condensation)				

[Characteristics]

Item	Product discontinuation Model 3G3RX-[-E1F					Recommendable replacement Model 3G3RX2-[-]				
		A2150	A2185	A2220	A2300		A2150	A2185	A2220	A2300
Applicable motor (4-pole) capacity [kW]	CT	15	18.5	22	30	ND	15	18.5	22	30
	VT	18.5	22	30	37	LD	18.5	22	30	37
						VLD	18.5	22	30	37
Rated input voltage	3-phase: 200 V -15% to 240 V 10%, 50/60 Hz ±5%					3-phase: 200 V -15% to 240 V 10%, 50/60 Hz ±5%				
Rated input current [A]	CT	70	84	105	133	ND	76.2	90.5	113.1	145.2
	VT	80	94	120	150	LD	86.9	101.2	134.5	166.7
						VLD	95.2	110.7	147.6	182.1
Rated output voltage	3-phase (3-wire) 200 to 240 V (depending on receiving voltage)					3-phase (3-wire) 200 to 240 V (depending on receiving voltage)				
Rated output current [A]	CT	64	76	95	121	ND	64.0	76.0	95.0	122
	VT	73	85	113	140	LD	73.0	85.0	113	140
						VLD	80.0	93.0	124	153
Operating ambient temperature	CT (Heavy Load)		-10 to 50°C		ND (Normal Duty)		-10 to 50°C			
	VT (Light Load)		-10 to 40°C		LD (Low Duty)		-10 to 45°C			
					VLD (Very Low Duty)		-10 to 40°C			
Storage ambient temperature	-20 to 65°C					-20 to 65°C				
Operating ambient humidity	20% to 90%RH (location free of condensation)					20% to 90%RH (location free of condensation)				

Item	Product discontinuation Model 3G3RX-[-E1F				Recommendable replacement Model 3G3RX2-[-]			
		A2370	A2450	A2550		A2370	A2450	A2550
Applicable motor (4-pole) capacity [kW]	CT	37	45	55	ND	37	45	55
	VT	45	55	75	LD	45	55	75
					VLD	45	55	75
Rated input voltage	3-phase: 200 V -15% to 240 V 10%, 50/60 Hz ±5%				3-phase: 200 V -15% to 240 V 10%, 50/60 Hz ±5%			
Rated input current [A]	CT	160	200	242	ND	173.8	216.7	261.9
	VT	186	240	280	LD	201.2	250.0	321.4
					VLD	220.2	272.6	351.2
Rated output voltage	3-phase (3-wire) 200 to 240 V (depending on receiving voltage)				3-phase (3-wire) 200 to 240 V (depending on receiving voltage)			
Rated output current [A]	CT	145	182	220	ND	146	182	220
	VT	169	210	270	LD	169	210	270
					VLD	185	229	295
Operating ambient temperature	CT (Heavy Load)		-10 to 50°C		ND (Normal Duty)		-10 to 50°C	
	VT (Light Load)		-10 to 40°C		LD (Low Duty)		-10 to 45°C	
					VLD (Very Low Duty)		-10 to 40°C	
Storage ambient temperature	-20 to 65°C				-20 to 65°C			
Operating ambient humidity	20% to 90%RH (location free of condensation)				20% to 90%RH (location free of condensation)			

[Characteristics]

Item	Product discontinuation Model 3G3RX-[-E1F					Recommendable replacement Model 3G3RX2-[-]				
		A4004	A4007	A4015	A4022		-	A4007	A4015	A4022
Applicable motor (4-pole) capacity [kW]	CT	0.4	0.75	1.5	2.2	ND	-	0.75	1.5	2.2
	VT	0.75	1.5	2.2	3.7	LD	-	1.5	2.2	3.7
						VLD	-	1.5	2.2	3.7
Rated input voltage	3-phase: 380 V -15% to 480 V 10%, 50/60 Hz ±5%					3-phase: 380 V -15% to 500 V 10%, 50/60 Hz ±5%				
Rated input current [A]	CT	1.8	2.8	4.2	5.8	ND	-	3.0	4.8	6.5
	VT	2.1	4.3	5.9	8.1	LD	-	3.7	5.7	8.0
						VLD	-	4.9	6.4	9.9
Rated output voltage	3-phase (3-wire) 380 to 480 V (depending on receiving voltage)					3-phase (3-wire) 380 to 500 V (depending on receiving voltage)				
Rated output current [A]	CT	1.5	2.5	3.8	5.3	ND	-	2.5	4.0	5.5
	VT	1.9	3.1	4.8	6.7	LD	-	3.1	4.8	6.7
						VLD	-	4.1	5.4	8.3
Operating ambient temperature	CT (Heavy Load)		-10 to 50°C			ND (Normal Duty)		-10 to 50°C		
	VT (Light Load)		-10 to 40°C			LD (Low Duty)		-10 to 45°C		
						VLD (Very Low Duty)		-10 to 40°C		
Storage ambient temperature	-20 to 65°C					-20 to 65°C				
Operating ambient humidity	20% to 90%RH (location free of condensation)					20% to 90%RH (location free of condensation)				

Item	Product discontinuation Model 3G3RX-[-E1F					Recommendable replacement Model 3G3RX2-[-]				
		A4037	A4055	A4075	A4110		A4037	A4055	A4075	A4110
Applicable motor (4-pole) capacity [kW]	CT	3.7	5.5	7.5	11	ND	3.7	5.5	7.5	11
	VT	5.5	7.5	11	15	LD	5.5	7.5	11	15
						VLD	5.5	7.5	11	15
Rated input voltage	3-phase: 380 V -15% to 480 V 10%, 50/60 Hz ±5%					3-phase: 380 V -15% to 500 V 10%, 50/60 Hz ±5%				
Rated input current [A]	CT	9.8	15	21	28	ND	11.0	17.6	22.6	29.8
	VT	13.3	20	24	32	LD	13.2	19.0	26.2	34.5
						VLD	15.0	20.8	29.8	36.9
Rated output voltage	3-phase (3-wire) 380 to 480 V (depending on receiving voltage)					3-phase (3-wire) 380 to 500 V (depending on receiving voltage)				
Rated output current [A]	CT	9.0	14	19	25	ND	9.2	14.8	19.0	25.0
	VT	11.1	16	22	29	LD	11.1	16.0	22.0	29.0
						VLD	12.6	17.5	25.0	31.0
Operating ambient temperature	CT (Heavy Load)		-10 to 50°C			ND (Normal Duty)		-10 to 50°C		
	VT (Light Load)		-10 to 40°C			LD (Low Duty)		-10 to 45°C		
						VLD (Very Low Duty)		-10 to 40°C		
Storage ambient temperature	-20 to 65°C					-20 to 65°C				
Operating ambient humidity	20% to 90%RH (location free of condensation)					20% to 90%RH (location free of condensation)				

[Characteristics]

Item	Product discontinuation Model 3G3RX-[-E1F					Recommendable replacement Model 3G3RX2-[-]				
		A4150	A4185	A4220	A4300		A4150	A4185	A4220	A4300
Applicable motor (4-pole) capacity [kW]	CT	15	18.5	22	30	ND	15	18.5	22	30
	VT	18.5	22	30	37	LD	18.5	22	30	37
						VLD	18.5	22	30	37
Rated input voltage	3-phase: 380 V -15% to 480 V 10%, 50/60 Hz ±5%					3-phase: 380 V -15% to 500 V 10%, 50/60 Hz ±5%				
Rated input current [A]	CT	35	42	53	64	ND	38.1	46.4	57.1	72.6
	VT	41	47	63	77	LD	44.0	51.2	67.9	83.3
						VLD	47.6	56.0	73.8	91.7
Rated output voltage	3-phase (3-wire) 380 to 480 V (depending on receiving voltage)					3-phase (3-wire) 380 to 500 V (depending on receiving voltage)				
Rated output current [A]	CT	32	38	48	58	ND	32.0	39.0	48.0	61.0
	VT	37	43	57	70	LD	37.0	43.0	57.0	70.0
						VLD	40.0	47.0	62.0	77.0
Operating ambient temperature	CT (Heavy Load)		-10 to 50°C			ND (Normal Duty)		-10 to 50°C		
	VT (Light Load)		-10 to 40°C			LD (Low Duty)		-10 to 45°C		
						VLD (Very Low Duty)		-10 to 40°C		
Storage ambient temperature	-20 to 65°C					-20 to 65°C				
Operating ambient humidity	20% to 90%RH (location free of condensation)					20% to 90%RH (location free of condensation)				

Item	Product discontinuation Model 3G3RX-[-E1F					Recommendable replacement Model 3G3RX2-[-]				
		A4370	A4450	A4550	B4750		A4370	A4450	A4550	B4750
Applicable motor (4-pole) capacity [kW]	CT	37	45	55	75	ND	37	45	55	75
	VT	45	55	75	90	LD	45	55	75	90
						VLD	45	55	75	90
Rated input voltage	3-phase: 380 V -15% to 480 V 10%, 50/60 Hz ±5%					3-phase: 380 V -15% to 500 V 10%, 50/60 Hz ±5%				
Rated input current [A]	CT	83	100	121	164	ND	89.3	108.3	133.3	178.6
	VT	94	116	149	176	LD	101.2	125.0	160.7	190.5
						VLD	110.7	138.1	175.0	209.5
Rated output voltage	3-phase (3-wire) 380 to 480 V (depending on receiving voltage)					3-phase (3-wire) 380 to 500 V (depending on receiving voltage)				
Rated output current [A]	CT	75	91	112	149	ND	75.0	91.0	112	150
	VT	85	105	135	160	LD	85.0	105	135	160
						VLD	93.0	116	147	176
Operating ambient temperature	CT (Heavy Load)		-10 to 50°C			ND (Normal Duty)		-10 to 50°C		
	VT (Light Load)		-10 to 40°C			LD (Low Duty)		-10 to 45°C		
						VLD (Very Low Duty)		-10 to 40°C		
Storage ambient temperature	-20 to 65°C					-20 to 65°C				
Operating ambient humidity	20% to 90%RH (location free of condensation)					20% to 90%RH (location free of condensation)				

[Characteristics]

Item	Product discontinuation Model 3G3RX-[-]E1F				Recommendable replacement Model 3G3RX2-[-]			
		B4900	B411K	B413K		B4900	B411K	B413K
Applicable motor (4-pole) capacity [kW]	CT	90	110	132	ND	90	110	132
	VT	110	132	160	LD	110	132	160
					VLD	110	132	160
Rated input voltage	3-phase: 380 V -15% to 480 V 10%, 50/60 Hz ±5%				3-phase: 380 V -15% to 500 V 10%, 50/60 Hz ±5%			
Rated input current [A]	CT	194	239	286	ND	214.3	258.3	309.5
	VT	199	253	300	LD	232.1	273.8	345.2
					VLD	253.6	300.0	376.2
Rated output voltage	3-phase (3-wire) 380 to 480 V (depending on receiving voltage)				3-phase (3-wire) 380 to 500 V (depending on receiving voltage)			
Rated output current [A]	CT	176	217	260	ND	180	217	260
	VT	195	230	290	LD	195	230	290
					VLD	213	252	316
Operating ambient temperature	CT (Heavy Load)		-10 to 50°C		ND (Normal Duty)		-10 to 50°C	
	VT (Light Load)		-10 to 40°C		LD (Low Duty)		-10 to 45°C	
					VLD (Very Low Duty)		-10 to 40°C	
Storage ambient temperature	-20 to 65°C				-20 to 65°C			
Operating ambient humidity	20% to 90%RH (location free of condensation)				20% to 90%RH (location free of condensation)			

[Operation ratings]

Item	Product discontinuation Model 3G3RX-[-]E1F			Recommendable replacement Model 3G3RX2-[-]		
		A2004 to A2550 A4004 to A4550	B4750 to B413K		A2004 to A2550 A4007 to A4550	B4750 to B413K
Carrier frequency change range	CT	0.5 to 15 kHz	0.5 to 10 kHz	ND	0.5 to 16.0 kHz	0.5 to 10.0 kHz
	VT	0.5 to 12 kHz	0.5 to 8 kHz	LD	0.5 to 12.0 kHz	0.5 to 8.0 kHz
				VLD	0.5 to 10.0 kHz	0.5 to 8.0 kHz
Output frequency range	0.1 to 400 Hz			0.00 to 590.00 Hz		
Frequency precision	Digital command ±0.01% and analog command ±0.2% (25°C±10°C) against the maximum frequency			Digital command ±0.01% and analog command ±0.2% (25°C±10°C) against the maximum frequency		
Frequency resolution	Digital setting: 0.01 Hz Analog setting: maximum frequency/4000			Digital setting: 0.01 Hz Analog setting: maximum frequency/4000		
Acceleration/ Deceleration time	0.01 to 3600.0 s			0.00 to 3600.00 s		

[Operation methods]

There are some differences of operator, parameters, terminal blocks, default settings and options between 3G3RX-E1F and 3G3RX2.

Please refer to "Replace Guide From 3G3RX to 3G3RX2" (Man. No.: I922-E1), "High-function General-purpose Inverter RX Series User's Manual" (Man. No.: I560-E2) and "High-function General-purpose Inverter RX2 Series User's Manual" (Man. No.: I620-E1).

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.