

Discontinuation of the FR-E700-NC General-Purpose Inverters

Thank you for your continued patronage of Mitsubishi Electric drive control products. In September 2025, we have released the FR-E800-NC series inverters as the successors to the FR-E700-NC series inverters. Consequently, we are discontinuing the production of the FR-E700-NC series inverters as follows. We ask for your understanding in this matter.

1. Models to be Discontinued

FR-E700-NC series (CC-Link communication function model)

1) Three-phase 200 V

Model
FR-E720-0.1KNC
FR-E720-0.2KNC
FR-E720-0.4KNC
FR-E720-0.75KNC
FR-E720-1.5KNC
FR-E720-2.2KNC
FR-E720-3.7KNC
FR-E720-5.5KNC
FR-E720-7.5KNC
FR-E720-11KNC
FR-E720-15KNC

2) Three-phase 400 V

Model
FR-E740-0.4KNC
FR-E740-0.75KNC
FR-E740-1.5KNC
FR-E740-2.2KNC
FR-E740-3.7KNC
FR-E740-5.5KNC
FR-E740-7.5KNC
FR-E740-11KNC
FR-E740-15KNC

3) Single-phase 200 V

Model
FR-E720S-0.1KNC
FR-E720S-0.2KNC
FR-E720S-0.4KNC
FR-E720S-0.75KNC
FR-E720S-1.5KNC
FR-E720S-2.2KNC

2. Schedule

Production will continue on orders received by the last day of December 2026. Made-to-order production starts on September 1, 2026 in advance of the discontinuation. Requests for repairs and service will be accepted until the last day of December 2033.

Note) Repairs are subject to the supply of service parts and may not be possible even within the above repair service period.

Date of issue	April 2026	Title	Discontinuation of the FR-E700-NC General-Purpose Inverters	Mitsubishi Electric Corp., Nagoya Works 5-1-14 Yada-minami, Higashi-ku, Nagoya 461-8670 Tel.: +81 (52) 721-2111 Main line
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3. Successor Models

Power supply voltage	Current model	Successor model	Outline dimensions FR-E700-NC → FR-E800-NC or FR-E800 standard model with a plug-in option *2		
			Width [mm]	Height [mm]	Depth [mm]
Three-phase 200 V	FR-E720-0.1KNC	FR-E820-0.1KNC	-	-	-
	FR-E720-0.2KNC	FR-E820-0.2KNC	-	-	-
	FR-E720-0.4KNC	FR-E820-0.4KNC	-	-	-
	FR-E720-0.75KNC	FR-E820-0.75KNC	-	-	-
	FR-E720-1.5KNC	FR-E820-1.5KNC	-	-	-
	FR-E720-2.2KNC	FR-E820-2.2KNC	-	-	-
	FR-E720-3.7KNC	FR-E820-3.7KNC	170 → 140	-	-
	FR-E720-5.5KNC	No successor models are available.*1	-	-	-
	FR-E720-7.5KNC		-	-	-
	FR-E720-11KNC		-	-	-
FR-E720-15KNC	-		-	-	
Three-phase 400 V	FR-E740-0.4KNC	FR-E840-0.4KNC	140 → 108	150 → 128	141.5 → 157
	FR-E740-0.75KNC	FR-E840-0.75KNC	140 → 108	150 → 128	141.5 → 157
	FR-E740-1.5KNC	FR-E840-1.5KNC	140 → 108	150 → 128	-
	FR-E740-2.2KNC	FR-E840-2.2KNC	-	-	-
	FR-E740-3.7KNC	FR-E840-3.7KNC	-	-	-
	FR-E740-5.5KNC	No successor models are available.*1	-	-	-
	FR-E740-7.5KNC		-	-	-
	FR-E740-11KNC		-	-	-
FR-E740-15KNC	-		-	-	
Single-phase 200 V	FR-E720S-0.1KNC	No successor models are available.*1	-	-	-
	FR-E720S-0.2KNC		-	-	-
	FR-E720S-0.4KNC		-	-	-
	FR-E720S-0.75KNC		-	-	163 → 162.5
	FR-E720S-1.5KNC		-	-	-
	FR-E720S-2.2KNC		-	150 → 128	183 → 170

*1 Consider replacing the inverter with the FR-E800 standard model.

The required option combination differs as follows.

Note that combination 2) does not comply with the functional safety standards.

Combination 1) (when 24 V external power supply input is not required)

FR-E800 standard model and FR-A8NC E kit (CC-Link communication plug-in option)

Combination 2) (when 24 V external power supply input is required)

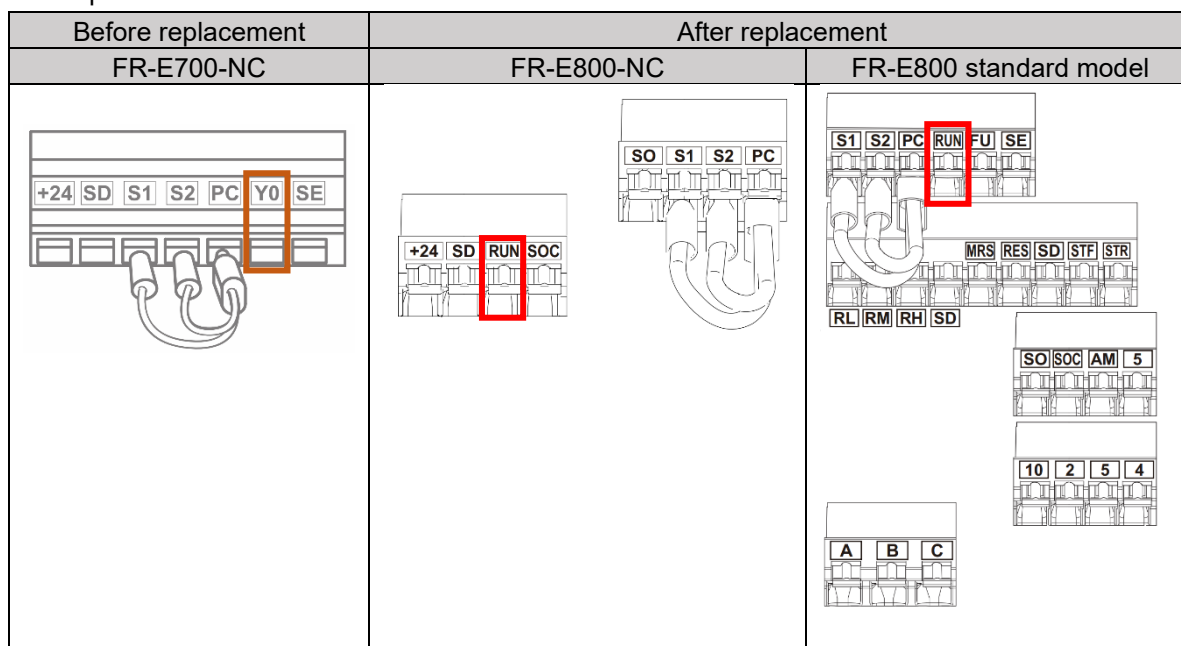
Combination 1) and FR-E8TS (control terminal option for 24 V external power supply input)

*2 "-" indicates no dimensional difference. For dimensions other than width, height, and depth, refer to the outline dimensions in the FR-E800 Instruction Manual (Connection).

4. Precautions for Replacement

(1) Control circuit terminals

Both the 24 V external power supply and the safety stop function can be used also after replacement. For output terminals, the terminal name is changed from Y0 to RUN, while the function is compatible.



(2) Changes to parameters

Pr.	FR-E700-NC	FR-E800-NC	Supplemental information										
MRS input selection (Pr.17)	Setting value "4": Available	Setting value "4": Not available	When "4" is set for the FR-E700-NC, set "0" for the FR-E800-NC.										
Reset selection/PU stop selection (Pr.75)	Setting values "2, 3, 16, and 17": Available	Setting values "2, 3, 16, and 17": Not available	For setting values not available for the FR-E800-NC, use the following values. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>FR-E700-NC</th> <th>FR-E800-NC</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>0</td> </tr> <tr> <td>3</td> <td>1</td> </tr> <tr> <td>16</td> <td>14</td> </tr> <tr> <td>17</td> <td>15</td> </tr> </tbody> </table>	FR-E700-NC	FR-E800-NC	2	0	3	1	16	14	17	15
FR-E700-NC	FR-E800-NC												
2	0												
3	1												
16	14												
17	15												
RY4 function selection (Pr.180)	-	The parameter name is changed. "RL terminal function selection"	-										
RY3 function selection (Pr.181)	-	The parameter name is changed. "RM terminal function selection"	-										
RY2 function selection (Pr.182)	-	The parameter name is changed. "RH terminal function selection"	-										
RY9 function selection (Pr.183)	-	The parameter name is changed. "MRS terminal function selection"	-										

Pr.	FR-E700-NC	FR-E800-NC	Supplemental information
RYB function selection (Pr.184)	-	The parameter name is changed. "RES terminal function selection"	-
RX2 (terminal Y0) function selection (Pr.190)	-	The parameter name is changed. "RUN terminal function selection"	-
RX6 function selection (Pr.191)	-	The parameter name is changed. "FU terminal function selection"	-
RX7 function selection (Pr.192)	-	The parameter name is changed. "ABC terminal function selection"	-

For other changes to parameters when replacing the FR-E700-NC with the FR-E800-NC and for the changes to parameters when replacing the FR-E700-NC with the FR-E800, refer to the Information for Replacement of FR-E700 Series with FR-E800 Series.

Download is available on the following website.

Information for Replacement of FR-E700 Series with FR-E800 Series
[Inverters Drive Products Download | Mitsubishi Electric FA](#)