

Z-A7-03F TABLE OF COMPARISON FOR FR-A700 SERIES INVERTER
OVERSEAS SPECIFICATIONS

In direct export to foreign (Europe, North America and China) markets, the product numbers are different from the domestic market to reflect different market characteristic. The type and main specification comparison for the FR-A700 series in Europe, North America, China and Taiwan markets are shown in the following table.

1. Type contrast table

(1) 400V class

Type			
Japan	Europe	North-America	China
FR-A740-0.4K	FR-A740-00023-EC	FR-A740-00015-NA	FR-A740-0.4K-CHT
FR-A740-0.75K	FR-A740-00038-EC	FR-A740-00025-NA	FR-A740-0.75K-CHT
FR-A740-1.5K	FR-A740-00052-EC	FR-A740-00040-NA	FR-A740-1.5K-CHT
FR-A740-2.2K	FR-A740-00083-EC	FR-A740-00060-NA	FR-A740-2.2K-CHT
FR-A740-3.7K	FR-A740-00126-EC	FR-A740-00090-NA	FR-A740-3.7K-CHT
FR-A740-5.5K	FR-A740-00170-EC	FR-A740-00120-NA	FR-A740-5.5K-CHT
FR-A740-7.5K	FR-A740-00250-EC	FR-A740-00170-NA	FR-A740-7.5K-CHT
FR-A740-11K	FR-A740-00310-EC	FR-A740-00230-NA	FR-A740-11K-CHT
FR-A740-15K	FR-A740-00380-EC	FR-A740-00310-NA	FR-A740-15K-CHT
FR-A740-18.5K	FR-A740-00470-EC	FR-A740-00380-NA	FR-A740-18.5K-CHT
FR-A740-22K	FR-A740-00620-EC	FR-A740-00440-NA	FR-A740-22K-CHT
FR-A740-30K	FR-A740-00770-EC	FR-A740-00570-NA	FR-A740-30K-CHT
FR-A740-37K	FR-A740-00930-EC	FR-A740-00710-NA	FR-A740-37K-CHT
FR-A740-45K	FR-A740-01160-EC	FR-A740-00860-NA	FR-A740-45K-CHT
FR-A740-55K	FR-A740-01800-EC	FR-A740-01100-NA	FR-A740-55K-CHT
FR-A740-75K	FR-A740-02160-EC	FR-A740-01440-NA	FR-A740-75K-CHT
FR-A740-90K	FR-A740-02600-EC	FR-A740-01880-NA	FR-A740-90K-CHT
FR-A740-110K	FR-A740-03250-EC	FR-A740-02160-NA	FR-A740-110K-CHT
FR-A740-132K	FR-A740-03610-EC	FR-A740-02600-NA	FR-A740-132K-CHT
FR-A740-160K	FR-A740-04320-EC	FR-A740-03250-NA	FR-A740-160K-CHT
FR-A740-185K	FR-A740-04810-EC	FR-A740-03610-NA	FR-A740-185K-CHT
FR-A740-220K	FR-A740-05470-EC	FR-A740-04320-NA	FR-A740-220K-CHT
FR-A740-250K	FR-A740-06100-EC	FR-A740-04810-NA	FR-A740-250K-CHT
FR-A740-280K	FR-A740-06830-EC	FR-A740-05470-NA	FR-A740-280K-CHT
FR-A740-315K	FR-A740-00770-EC	FR-A740-06100-NA	FR-A740-315K-CHT
FR-A740-355K	FR-A740-08660-EC	FR-A740-06830-NA	FR-A740-355K-CHT
FR-A740-400K	FR-A740-09620-EC	FR-A740-07700-NA	FR-A740-400K-CHT
FR-A740-450K	FR-A740-10940-EC	FR-A740-08660-NA	FR-A740-450K-CHT
FR-A740-500K	FR-A740-12120-EC	FR-A740-09620-NA	FR-A740-500K-CHT

(2)200V class

Type	
Japan	North-America
FR-A720-0.4K	FR-A720-00030-NA
FR-A720-0.75K	FR-A720-00050-NA
FR-A720-1.5K	FR-A720-00080-NA
FR-A720-2.2K	FR-A720-00110-NA
FR-A720-3.7K	FR-A720-00175-NA
FR-A720-5.5K	FR-A720-00240-NA
FR-A720-7.5K	FR-A720-00330-NA
FR-A720-11K	FR-A720-00460-NA
FR-A720-15K	FR-A720-00610-NA
FR-A720-18.5K	FR-A720-00760-NA
FR-A720-22K	FR-A720-00900-NA
FR-A720-30K	FR-A720-01150-NA
FR-A720-37K	FR-A720-01450-NA
FR-A720-45K	FR-A720-01750-NA
FR-A720-55K	FR-A720-02150-NA
FR-A720-75K	FR-A720-02880-NA
FR-A720-90K	FR-A720-03460-NA

2. Difference in main specifications

(1) Hardware relation

	Japan	Europe	North-America	China
Front cover	MITSUBISHI FREQROL-A700	 MITSUBISHI A700	 MITSUBISHI A700	 MITSUBISHI A700
Front cover caution plate	Both Japanese and English	Only English	Both English and French	Both Chinese and English
Terminal form for control terminal	Ring tongue terminal	Plug-in terminal	Ring tongue terminal	Ring tongue terminal
Sink/source changeover	Sink	Source	Sink	Sink
FM/CA	FM(Pulse input)	CA(Current output)	FM(Pulse output)	CA(Current output)
EMC filter initial setting	OFF	ON	OFF	OFF
Protection structure	IP20(22K or less)	IP20(22K or less)	NEMA1 (200V:0.4K to 7.5K) UL Type1(11K to 22K)	IP20(22K or less)
Bundled DCreactor (75K or more)	Bundled	·The American specification bundles the reactor of the capacity of two high ranks to domestic specification (75K or more) ·The European specification bundles the reactor of the capacity of two high ranks to domestic specification (55K or more) ·The Chinese specification bundles the reactor of the capacity of two high ranks to domestic specification (75K or more)		

(2)Functions

	Japan	Europe	America	China
Pr.900 FM/CA terminal calibration	FM	CA	FM	CA
Pr.930 0-20mA output bias	×	○	×	○
Pr.931 0-20mA output bias	×	○	×	○

(3)Parameter factory setting value

		Japan	Europe	America	China
Factory setting	Pr3 Base frequency	60Hz	50Hz	60Hz	50Hz
	Pr4 Multi-speed setting (high speed)	60Hz	50Hz	60Hz	50Hz
	Pr19 Base frequency voltage	9999	8888	9999	9999
	Pr20 Acceleration/deceleration reference frequency	60Hz	50Hz	60Hz	50Hz
	Pr55 Frequency monitoring reference	60Hz	50Hz	60Hz	50Hz
	Pr66 Stall prevention operation reduction starting frequency	60Hz	50Hz	60Hz	50Hz
	Pr84 Rated motor frequency	60Hz	50Hz	60Hz	50Hz
	Pr116 Third output frequency	60Hz	50Hz	60Hz	50Hz
	Pr125 Terminal 2 frequency setting gain frequency	60Hz	50Hz	60Hz	50Hz
	Pr126 Terminal 4 frequency setting gain frequency	60Hz	50Hz	60Hz	50Hz
	Pr145 PU display language selection	0 (Japanese)	1 (English)	1 (English)	1 (English)
	Pr263 Subtraction starting frequency	60Hz	50Hz	60Hz	50Hz
	Pr266 Power failure deceleration time switchover frequency	60Hz	50Hz	60Hz	50Hz
	Pr374 Overspeed detection level	140Hz	115Hz	140Hz	115Hz
	Pr386 Frequency for maximum input pulse	60Hz	50Hz	60Hz	50Hz
	Pr457 Rated second motor frequency	60Hz	50Hz	60Hz	50Hz
	Pr505 Speed setting reference	60Hz	50Hz	60Hz	50Hz
	Pr549 Protocol selection	0 (Mitsubishi inverter)	0 (Mitsubishi inverter)	1 (Modbus-RTU)	0 (Mitsubishi inverter)
	Pr808 Forward rotation speed limit	60Hz	50Hz	60Hz	50Hz
	Pr903 Voltage gain	60Hz	50Hz	60Hz	50Hz
	Pr905 Current gain	60Hz	50Hz	60Hz	50Hz
	Pr.918 Terminal 1 gain	60Hz	50Hz	60Hz	50Hz

(4)Built-in option

Build in option	Japan	Europe	America	China
Type(ex.) bundled plate	Common(FR-A7AP, FR-A7AR, FR-A7AX, FR-A7AY FR-A7AZ,FR-A7ND,FR-A7NP,FR-A7NC,FR-A7NL)			
Language for instruction manual	Japanese	English		
Option H/W	Common			