



MATERIAL FACT SHEET

202366 FR-E720-3.7K

General Data

Product Hierarchy	IAK233
	INVERTER
	FR-E720
Ext. Material Group	10 DISCONTINUED
ABC Indicator	C (Non-Stock Material / Make-to-Order)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000202366

FA-Inverter: Inverter

Series	FR-E700 SERIES
Type	FR-E700 STANDARD INVERTER
Minimum Rated Voltage (V)	200
Min. Permissible Voltage (V)	170
Maximum Rated Voltage (V)	240
Max. Permissible Voltage (V)	264
Current Type	AC
Phases	3
Rated Output Current ND (A)	17,5
Rated Motor Capacity ND (kW)	3,7
Frequency Range (Hz)	-
Control Method	MAGNETIC FLUX VECTOR CONTROL
Control Method (2)	V/F CONTROL
Motor Type	INDUCTION MOTOR
Brake Chopper ED (%)	30
Integrated EMC Filter	NO
Safe Torque Off (STO)	YES
Regenerative (4Q)	NO
Integrated DC Choke	NO
Display	BUILT-IN
Display Type	4 DIGITS LED
PLC Function	NO
Integrated Digital Inputs	6
Digital Outputs (Transistor)	2
Digital Outputs (Relay)	1
Integrated Analogue Inputs	2
Integrated Analogue Outputs	1
IO Type of Terminal Block	SCREW
Expandable	YES
RS-485	1
USB	1
Built-In Network	MODBUS-RTU
Leakage Current (mA)	1
Power Loss ND (W)	160
Standby Power Consumption (W)	6,4
Protection Class	IP20

Product Dimensions & Weight

Width (mm)	170
Height (mm)	128
Depth (mm)	142,5
Weight (kg)	1,7

Logistic Dimensions & Gross Weight

Length (cm)	27,0
Width (cm)	19,5
Height (cm)	18,5

Gross Weight (kg)	2,396
Volume (cdm)	9,740

Stock Data

Planned Delivery Time (Days)	300
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Life Cycle

Sales Start	11.03.2007
Discontinued (EOL)	09.12.2022
Last Time Buy (LTB)	01.03.2023
Last Time Purchase (LTP)	01.04.2023
End of Service (EOS)	01.03.2030
Predecessor	No Predecessor

Additional Product Information

Difference to Standard 1	JAPANESE VERSION
Difference to Standard 2	WITHOUT SAFETY
Battery included	NO

Export Data

Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)
Preference Status (Supplier Declaration)	Non EU

Environmental

REACH Limit Exceeded	YES
REACH Substance CAS Number	12060-00-3
REACH Substance CAS Number (2)	127-19-5
REACH Substance CAS Number (3)	13560-89-9
REACH Substance CAS Number (4)	15571-58-1
REACH Substance CAS Number (5)	541-02-6
REACH Substance CAS Number (6)	556-67-2
REACH Substance CAS Number (7)	7439-92-1
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FR-E720-3.7K&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FR-E720-3.7K&doc-lang=en

Product Packaging

Cardboard (g)	360
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	10
Wood (g)	0
Glass (g)	0
Others (g)	20