



MATERIAL FACT SHEET

268859 FR-A770-355K-79

General Data

Product Hierarchy	IAK239
	INVERTER
	FR-A770
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	C (Non-Stock Material / Make-to-Order)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000268859

FA-Inverter: Inverter

Series	FR-A700 SERIES
Type	FR-A700 ADVANCED INVERTER
Minimum Rated Voltage (V)	600
Min. Permissible Voltage (V)	540
Maximum Rated Voltage (V)	690
Max. Permissible Voltage (V)	759
Current Type	AC
Phases	3
Rated Output Current ND (A)	401
Rated Motor Capacity ND (kW)	355
Frequency Range (Hz)	-
Control Method	VECTOR CONTROL
Motor Type	INDUCTION MOTOR
Integrated EMC Filter	YES
Safe Torque Off (STO)	NO
Regenerative (4Q)	NO
Integrated DC Choke	NO
Display	FR-DU07
Display Type	4 DIGITS LED
PLC Function	YES
Program Memory	1K
Program Memory Unit	STEPS
Integrated Digital Inputs	12
Digital Outputs (Transistor)	5
Digital Outputs (Relay)	2
Integrated Analogue Inputs	3
Integrated Analogue Outputs	2
IO Type of Terminal Block	SCREW
Expandable	YES
RS-485	2
USB	1
Built-In Network	MODBUS-RTU
Leakage Current (mA)	-
Power Loss ND (W)	8000
Standby Power Consumption (W)	-
Protection Class	IP00

Product Dimensions & Weight

Width (mm)	995
Height (mm)	1580
Depth (mm)	440
Weight (kg)	380

Logistic Dimensions & Gross Weight

Length (cm)	217,0
Width (cm)	122,0
Height (cm)	66,5

Gross Weight (kg)	560,000
Volume (cdm)	1.760,521

Stock Data

Planned Delivery Time (Days)	300
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Life Cycle

Sales Start	14.10.2013
Predecessor	No Predecessor

Additional Product Information

Battery included	NO
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Export Data

Commodity Code	85371091
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	117-81-7
REACH Substance CAS Number (2)	12060-00-3
REACH Substance CAS Number (3)	12626-81-2
REACH Substance CAS Number (4)	15571-58-1
REACH Substance CAS Number (5)	2451-62-9
REACH Substance CAS Number (6)	25155-23-1
REACH Substance CAS Number (7)	540-97-6
REACH Substance CAS Number (8)	541-02-6
REACH Substance CAS Number (9)	556-67-2
REACH Substance CAS Number (10)	68515-42-4
REACH Substance CAS Number (11)	7439-92-1
REACH Substance CAS Number (12)	80-05-7
REACH Substance CAS Number (13)	84-74-2
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-A770-355K-79&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FR-A770-355K-79&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FR-A770-355K-79&doc-lang=en

Product Packaging

Cardboard (g)	670
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)	0