



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

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