



MATERIAL FACT SHEET

412429 FR-A870-03590-E2-60LC

General Data

Product Hierarchy	IAK24107
	INVERTER
	FR-A870
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_1A/EUR/en/p/000000000000412429

FA-Inverter: Inverter

Series	FR-A800 PLUS SERIES
Type	FR-A800-LC (LIQUID COOLED)
Minimum Rated Voltage (V)	525/600
Min. Permissible Voltage (V)	472/540
Maximum Rated Voltage (V)	600/690
Max. Permissible Voltage (V)	660/759
Current Type	AC
Phases	3
Rated Output Current ND (A)	320
Rated Motor Capacity ND (kW)	280
Frequency Range (Hz)	50/60
Control Method	SOFT-PWM/HIGH FRQ PWM/VECTOR
Motor Type	INDUCTION MOTOR
Integrated EMC Filter	YES
Safe Torque Off (STO)	YES
Regenerative (4Q)	NO
Integrated DC Choke	NO
Display	FR-DU08
Display Type	5 DIGITS LED
PLC Function	YES
Program Memory	6K
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	SPRING CLAMP
Expandable	YES
RS-485	1
USB	1+1 MINI
Ethernet Port	1
Built-In Network	CC-LINK IE FIELD BASIC
Built-In Network (2)	MODBUS/TCP
Leakage Current (mA)	-
Power Loss SLD (W)	6150
Power Loss ND (W)	5550
Standby Power Consumption (W)	-
Protection Class	IP00

Product Dimensions & Weight

Width (mm)	675
Height (mm)	1517
Depth (mm)	440
Weight (kg)	212

Logistic Dimensions & Gross Weight

Length (cm)	0,0
Width (cm)	0,0
Height (cm)	0,0
Gross Weight (kg)	233,200
Volume (cdm)	0,000

Stock Data

Planned Delivery Time (Days)	212
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Life Cycle

Sales Start	07.01.2019
Predecessor	No Predecessor

Additional Product Information

Binding Tariff Information	DEBTI-21865/22-1
BTI validity date	01.01.2026
Battery included	NO

Export Data

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

Environmental

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-A870-03590-E2-60LC&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FR-A870-03590-E2-60LC&doc-lang=en
Network configuration file URL	X