



MATERIAL FACT SHEET

409334 FR-A840-03250-E2-60CRN

General Data

Product Hierarchy	IAK24103
	INVERTER
	FR-A840 from 2160
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/000000000000409334

FA-Inverter: Inverter

Series	FR-A800 PLUS SERIES
Type	FR-A800-CRN (FOR CRANES)
Minimum Rated Voltage (V)	380
Min. Permissible Voltage (V)	323
Maximum Rated Voltage (V)	500
Max. Permissible Voltage (V)	550
Current Type	AC
Phases	3
Rated Output Current SLD (A)	325
Rated Output Current LD (A)	260
Rated Output Current ND (A)	216
Rated Output Current HD (A)	180
Rated Motor Capacity ND (kW)	110
Rated Motor Capacity HD (kW)	90
Frequency Range (Hz)	0,2-590
Control Method	MAGNETIC FLUX VECTOR CONTROL
Control Method (2)	PM SENSORLESS VECTOR CONTROL
Control Method (3)	REAL SENSORLESS VECTOR CONTROL
Control Method (4)	SOFT-PWM/HIGH FREQUENCY PWM
Control Method (5)	V/F CONTROL
Control Method (6)	VECTOR CONTROL (WITH FR-A8AP)
Motor Type	INDUCTION MOTOR, PM MOTOR
Brake Chopper ED (%)	-
Integrated EMC Filter	YES
Safe Torque Off (STO)	YES
Regenerative (4Q)	NO
Integrated DC Choke	NO
Display	FR-DU08
Display Type	5 DIGITS LED (12 SEGMENT)
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
USB	1+1 MINI
Ethernet Port	1
Built-In Network	CC-LINK IE FIELD NETWORK
Built-In Network (2)	CC-LINK IE FIELD NETWORK BASIC
Built-In Network (3)	MODBUS/TCP
Leakage Current (mA)	35(DELT) / 2(STAR)
Power Loss SLD (W)	3600
Power Loss LD (W)	2800
Power Loss ND (W)	2300

Power Loss HD (W)	1850
Standby Power Consumption (W)	75
Protection Class	IP00

Product Dimensions & Weight

Width (mm)	465
Height (mm)	740
Depth (mm)	360
Weight (kg)	71

Logistic Dimensions & Gross Weight

Length (cm)	0,0
Width (cm)	0,0
Height (cm)	0,0
Gross Weight (kg)	81,180
Volume (cdm)	0,000

Stock Data

Planned Delivery Time (Days)	156
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Life Cycle

Sales Start	01.12.2018
Predecessor	No Predecessor

Additional Product Information

Difference to Standard 1	CRANE CONTROL
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
Shipping Approvals	ABS,BV,DNV GL,LR,NK
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FR-A840-03250-E2-60CRN&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FR-A840-03250-E2-60CRN&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FR-A840-03250-E2-60CRN&doc-lang=en
Network configuration file URL	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blte8cf990c7c524b4e&q=FR-A840-03250-E2-60CRN&doc-lang=en

Product Packaging

Cardboard (g)	8500
Other paper (g)	0
Aluminum (g)	0
Steel (g)	15
Styrofoam (g)	0
Other plastic (g)	80
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
282898	FR-A840-03250-03610-2-60 PCB GA	1	PC
282926	FR-A840-03250-2-60 PCB AUX	1	PC
282927	FR-A840/CC2-325A-432A-547A-DC CAPACITOR	4	PC
282928	FR-A840-03250-12120/CC2 DM	6	PC
283449	FR-A840-02160-03610-2-60 FAN	3	PC
283444	FR-A840-03250-12120-2-60 IGBT CM450DY207	6	PC
282932	FR-A840/842/846-ALL TERMINAL BLOCK A80TA	1	PC
591466	FR-DU08 PARAMETER-UNIT ALL	1	PC
283484	FR-A840-00770-2-60 OR BIGGER CBL MA-CPU	1	PC
591470	FR-A870 CABLE ALL BKO-CA1972H01	1	PC
591471	FR-A870 CABLE ALL BKO-CA1972H02	1	PC
283474	FR-A840-03250-2-60 DCCT	3	PC
591486	FR-A870 COVER INTERFACE ALL	1	PC
591485	FR-A870 COVER CA PCB PRINT ALL	1	PC
283712	FR-A840-02160-03610-2-60 COVER FAN	3	PC
283464	FR-A840-03250-03610-2-60 INRUSH RES.	1	PC
282942	FR-A840-03250-12120 BALANCE RESISTOR	8	PC
591494	FR-A870 GROUND WIRE ETH ALL	1	PC