



MATERIAL FACT SHEET

279616 FR-F840-00380-2-60

General Data

Product Hierarchy	IAK24201
	INVERTER
	FR-F840 from 00023 to 00620
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/000000000000279616

FA-Inverter: Inverter

Series	FR-F800 SERIES
Type	FR-F800 PUMP AND FAN
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)	38
Rated Output Current LD (A)	35
Rated Motor Capacity SLD (kW)	18,5
Rated Motor Capacity LD (kW)	18,5
Frequency Range (Hz)	0,2-590
Control Method	ADVANCED MAGN. FLUX VEC. CTRL
Motor Type	INDUCTION MOTOR, PM 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	PLUG
Expandable	YES
RS-485	2
USB	2
Built-In Network	BACnet MS/TP
Built-In Network (2)	MODBUS-RTU
Leakage Current (mA)	35(DELTA) / 2(STAR)
Power Loss SLD (W)	450
Power Loss LD (W)	415
Standby Power Consumption (W)	20
Protection Class	IP20

Product Dimensions & Weight

Width (mm)	220
Height (mm)	300
Depth (mm)	190
Weight (kg)	8,3

Logistic Dimensions & Gross Weight

Length (cm)	37,0
Width (cm)	30,0
Height (cm)	28,0
Gross Weight (kg)	9,546
Volume (cdm)	31,080

Stock Data

Planned Delivery Time (Days)	79
------------------------------	----

Life Cycle

Sales Start	10.12.2014
Discontinued (EOL)	06.02.2018
Last Time Buy (LTB)	30.06.2018
Last Time Purchase (LTP)	31.07.2018
End of Service (EOS)	05.02.2025
Predecessor	259409 / FR-F740-00380-EC-FF
Successor	307219 / FR-F840-00380-E2-60

Additional Product Information

Difference to Standard 1	WITHOUT ETHERNET (RS-485 TYPE)
Binding Tariff Information	DEBTI-21865/22-1
BTI validity date	01.01.2026
Battery included	NO

Export Data

Commodity Code	85371091
Legal Control (Dual Use List)	Not Listed
Country of Origin	China (CN)
Preference Status (Supplier Declaration)	Non EU

Environmental

REACH Limit Exceeded	NO
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-F840-00380-2-60&doc-lang=en
CAD URL Indicator	X

Product Packaging

Cardboard (g)	1070
Other paper (g)	200
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	13
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
282885	FR-A840-00310-00380-2-60 PCB MA	1	PC
282895	FR-A840-00380-2-60 PCB GA	1	PC
282904	FR-A840-00470-00620-2-60 PCB AUX	1	PC
294446	FR-F840 ALL-2-60 PCB CPU	1	PC
282932	FR-A840/842/846-ALL TERMINAL BLOCK A80TA	1	PC
283447	FR-A840-00310/00380/00770-2-60 FAN	2	PC

Material	Description	Quantity	Unit
283459	FR-A840-00310-00380-2-60 INRUSH RES.	1	PC
283482	FR-A840-00310-00380-2-60 CBL MA-CPU	1	PC
283585	FR-A840-00380-2-60 CAPACITOR	2	PC
283685	FR-A840-00170-00380-2-60 COVER UPPER FR.	1	PC
283689	FR-A840-00310/00380-2-60 CHASSIS	1	PC
283690	FR-A840-00310/00380-2-60 CASE	1	PC
283691	FR-A840-00310/00380-2-60 COVER LOWER FR.	1	PC
283692	FR-A840-00310/00380-2-60 COVER WIRING	1	PC
283693	FR-A840-00310/00380-2-60 COVER FAN	1	PC