



## MATERIAL FACT SHEET

577427 FR-F846-00126-E2-60L2-S6

### General Data

|                     |                                        |
|---------------------|----------------------------------------|
| Product Hierarchy   | IAK24501                               |
|                     | INVERTER                               |
|                     | FR-F846 with main switch               |
| 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/0000000000000577427](https://mitsubishi-electric-eshop.mee.com/mee/FA_1A/EUR/en/p/0000000000000577427)

### Product Components

|                                                |               |
|------------------------------------------------|---------------|
| <a href="#">318061 / FR-F846-00126-E2-60L2</a> | 1 pc required |
| <a href="#">475731 / NF32-SVF 3P 30A</a>       | 1 pc required |
| <a href="#">253076 / V-03SV</a>                | 1 pc required |

### FA-Inverter: Inverter

|                               |                                |
|-------------------------------|--------------------------------|
| Series                        | FR-F800 SERIES                 |
| Type                          | FR-F846-E2-S6 WITH MAIN SWITCH |
| 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 LD (A)   | 11,5                           |
| Rated Motor Capacity LD (kW)  | 5,5                            |
| Frequency Range (Hz)          | 0,2-590                        |
| Control Method                | MAGNETIC FLUX VECTOR CONTROL   |
| Control Method (2)            | PM SENSORLESS VECTOR CONTROL   |
| Control Method (3)            | SOFT-PWM/HIGH FREQUENCY PWM    |
| Control Method (4)            | V/F CONTROL                    |
| Motor Type                    | INDUCTION MOTOR, PM MOTOR      |
| Integrated EMC Filter         | YES                            |
| Safe Torque Off (STO)         | YES                            |
| Regenerative (4Q)             | NO                             |
| Integrated DC Choke           | YES                            |
| 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              | BACNET/IP                      |
| Built-In Network (2)          | CC-LINK IE FIELD NETWORK BASIC |
| Built-In Network (3)          | MELSOFT/FA                     |
| Built-In Network (4)          | MODBUS/TCP                     |
| Built-In Network (5)          | SLMP                           |
| Built-In Network (6)          | iQSS                           |
| Leakage Current (mA)          | 2                              |
| Power Loss SLD (W)            | 175                            |
| Standby Power Consumption (W) | 19                             |

|                  |      |
|------------------|------|
| Protection Class | IP55 |
|------------------|------|

### Product Dimensions & Weight

|             |     |
|-------------|-----|
| Width (mm)  | 238 |
| Height (mm) | 520 |
| Depth (mm)  | 325 |
| Weight (kg) | 16  |

### Logistic Dimensions & Gross Weight

|                   |        |
|-------------------|--------|
| Length (cm)       | 63,0   |
| Width (cm)        | 31,0   |
| Height (cm)       | 42,0   |
| Gross Weight (kg) | 21,000 |
| Volume (cdm)      | 82,026 |

### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 300 |
|------------------------------|-----|

### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 01.02.2021     |
| 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 |
| Shipping Approvals | DNV,ABS   |
| UKCA               | COMPLIANT |

### Documentation & Media Data

|                      |                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manual URL Indicator | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FR-F846-00126-E2-60L2-S6&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=FR-F846-00126-E2-60L2-S6&amp;doc-lang=en</a> |
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