



## MATERIAL FACT SHEET

### 232903 TM-RFM048G20

#### General Data

|                     |                                        |
|---------------------|----------------------------------------|
| Product Hierarchy   | IAK30217                               |
|                     | SERVO and Motion                       |
|                     | TM Torque Motor                        |
| 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/000000000000232903](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000232903)

#### FA-Servo-Motion: Servo Motor

|                               |                |
|-------------------------------|----------------|
| Series                        | MELSERVO-J4    |
| Series (2)                    | MELSERVO-J5    |
| Type                          | TM-RFM         |
| Power Supply (V)              | 200            |
| Rated Capacity (kW)           | 1,005          |
| Rated Torque (Nm)             | 48             |
| Maximum Torque (Nm)           | 144            |
| Rated Speed (rpm)             | 200            |
| Maximum Speed (rpm)           | 500            |
| Inertia (kg*cm <sup>2</sup> ) | 615            |
| Brake                         | NO             |
| Shaft Type                    | STRAIGHT SHAFT |
| Protection Class              | IP42           |
| Current Type                  | AC             |
| Encoder Type                  | 20-BIT         |
| Encoder Resolution (p/rev)    | 1048576        |

#### Product Dimensions & Weight

|             |     |
|-------------|-----|
| Width (mm)  | 230 |
| Height (mm) | 230 |
| Depth (mm)  | 144 |
| Weight (kg) | 36  |

#### Logistic Dimensions & Gross Weight

|                   |        |
|-------------------|--------|
| Length (cm)       | 42,0   |
| Width (cm)        | 39,5   |
| Height (cm)       | 43,0   |
| Gross Weight (kg) | 42,000 |
| Volume (cdm)      | 71,337 |

#### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 156 |
|------------------------------|-----|

#### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 09.06.2010     |
| Predecessor | No Predecessor |

#### Additional Product Information

|                            |               |
|----------------------------|---------------|
| Binding Tariff Information | DE 16117/12-1 |
| BTI validity date          | 05.02.2019    |
| Battery included           | NO            |

#### Export Data

|                                          |            |
|------------------------------------------|------------|
| Legal Control (Dual Use List)            | Not Listed |
| Country of Origin                        | Japan (JP) |
| 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       | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2f94&amp;q=TM-RFM048G20&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2f94&amp;q=TM-RFM048G20&amp;doc-lang=en</a>   |
| Certificates URL Indicator | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=TM-RFM048G20&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=TM-RFM048G20&amp;doc-lang=en</a> |
| CAD URL Indicator          | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=TM-RFM048G20&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=TM-RFM048G20&amp;doc-lang=en</a> |

### Product Packaging

|                   |      |
|-------------------|------|
| Cardboard (g)     | 3000 |
| Other paper (g)   | 0    |
| Aluminum (g)      | 0    |
| Steel (g)         | 0    |
| Styrofoam (g)     | 0    |
| Other plastic (g) | 40   |
| Wood (g)          | 0    |
| Glass (g)         | 0    |
| Others (g)        | 0    |

### Compatible products

| Material               | Description / Price List Text / Classification                                                             |
|------------------------|------------------------------------------------------------------------------------------------------------|
| <a href="#">161573</a> | MR-PWCNS4<br>Power Connector Set for HG-SR, HG-JR, HK-ST<br>Class 100100509: FA-Servo-Motion: Connector    |
| <a href="#">227979</a> | MR-J3DDCNS<br>Encoder-connector-set for TM-RF<br>Class 100100509: FA-Servo-Motion: Connector               |
| <a href="#">227980</a> | MR-J3DDSPS<br>Encoder-connector-set for TM-RF und MR-BTAS01<br>Class 100100509: FA-Servo-Motion: Connector |
| <a href="#">227981</a> | MR-BTAS01<br>Absolute unit<br>Class 100100510: FA-Servo-Motion: Other Option                               |