



## MATERIAL FACT SHEET

### 573836 HK-ST172WWS

#### General Data

|                     |                                        |
|---------------------|----------------------------------------|
| Product Hierarchy   | IAK30232                               |
|                     | SERVO and Motion                       |
|                     | HK-ST                                  |
| 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/000000000000573836](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000573836)

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

|                               |                |
|-------------------------------|----------------|
| Series                        | MELSERVO-J5    |
| Type                          | HK-ST          |
| Power Supply (V)              | 200            |
| Rated Capacity (kW)           | 1,75           |
| Inertia                       | MEDIUM INERTIA |
| Rated Torque (Nm)             | 8,4            |
| Maximum Torque (Nm)           | 25,1           |
| Rated Speed (rpm)             | 2000           |
| Maximum Speed (rpm)           | 4000           |
| Inertia (kg*cm <sup>2</sup> ) | 11,4           |
| Brake                         | NO             |
| Shaft Type                    | STRAIGHT SHAFT |
| Protection Class              | IP67           |
| Current Type                  | AC             |
| Encoder Type                  | 26-BIT         |
| Encoder Resolution (p/rev)    | 67108864       |

#### Product Dimensions & Weight

|             |       |
|-------------|-------|
| Width (mm)  | 130   |
| Height (mm) | 173,8 |
| Depth (mm)  | 192,5 |
| Weight (kg) | 6,2   |

#### Logistic Dimensions & Gross Weight

|                   |       |
|-------------------|-------|
| Length (cm)       | 0,0   |
| Width (cm)        | 0,0   |
| Height (cm)       | 0,0   |
| Gross Weight (kg) | 0,010 |
| Volume (cdm)      | 0,000 |

#### Stock Data

|                              |    |
|------------------------------|----|
| Planned Delivery Time (Days) | 72 |
|------------------------------|----|

#### Life Cycle

|             |                |
|-------------|----------------|
| Predecessor | No Predecessor |
|-------------|----------------|

#### Additional Product Information

|                            |                  |
|----------------------------|------------------|
| Binding Tariff Information | DEBTI-10611/21-1 |
| BTI validity date          | 26.09.2024       |
| 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 |
| 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=HK-ST172WWS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=HK-ST172WWS&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=HK-ST172WWS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=HK-ST172WWS&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=HK-ST172WWS&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=HK-ST172WWS&amp;doc-lang=en</a> |

## Product Packaging

|                   |     |
|-------------------|-----|
| Cardboard (g)     | 530 |
| Other paper (g)   | 35  |
| Aluminum (g)      | 0   |
| Steel (g)         | 0   |
| Styrofoam (g)     | 0   |
| Other plastic (g) | 27  |
| Wood (g)          | 0   |
| Glass (g)         | 0   |
| Others (g)        | 0   |

## Compatible products

| Material               | Description / Price List Text / Classification                                                                                                    |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">160226</a> | MR-J3ENCBL2M-H<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; high flex., 2m, IP67<br>Class 100100508: FA-Servo-Motion: Cable   |
| <a href="#">161563</a> | MR-J3ENCBL5M-H<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; high flex., 5m, IP67<br>Class 100100508: FA-Servo-Motion: Cable   |
| <a href="#">161564</a> | MR-J3ENCBL10M-H<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; high flex., 10m, IP67<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">161567</a> | MR-J3ENCBL2M-L<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; 2m, IP67<br>Class 100100508: FA-Servo-Motion: Cable               |
| <a href="#">161568</a> | MR-J3ENCBL5M-L<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; 5m, IP67<br>Class 100100508: FA-Servo-Motion: Cable               |
| <a href="#">161569</a> | MR-J3ENCBL10M-L<br>Encoder cable; for HC-RP, HF-SN/SP/JP, HG-SN/SR, HK-KT/RT/ST; 10m, IP67<br>Class 100100508: FA-Servo-Motion: Cable             |
| <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="#">161576</a> | MR-J3SCNS<br>Encoder-Connector-Set for HF-SE/SN/SP/JP, HG-JR/SN/SR, HK-ST/RT motor, (Straight)<br>Class 100100509: FA-Servo-Motion: Connector     |
| <a href="#">202280</a> | PCS025N-02.0-0C4<br>Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 2m<br>Class 100100508: FA-Servo-Motion: Cable      |
| <a href="#">202281</a> | PCS025N-05.0-0C4<br>Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 5m<br>Class 100100508: FA-Servo-Motion: Cable      |
| <a href="#">202282</a> | PCS025N-10.0-0C4<br>Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 10m<br>Class 100100508: FA-Servo-Motion: Cable     |
| <a href="#">202283</a> | PCS025N-20.0-0C4<br>Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 20m<br>Class 100100508: FA-Servo-Motion: Cable     |
| <a href="#">202294</a> | PCS025N-30.0-0C4<br>Power cable for HG-SR102, HK-ST172W/202AW/302W/3534W/5034W; high flexible, 30m<br>Class 100100508: FA-Servo-Motion: Cable     |

| Material               | Description / Price List Text / Classification                                                                                              |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">227425</a> | MR-J3SCNSA<br>Encoder-Connector-Set for HF-SE/SN/SP/JP, HG-JR/SN/SR, HK-ST/RT motor, (Angle)<br>Class 100100509: FA-Servo-Motion: Connector |
| <a href="#">248686</a> | MR-ENCNS2<br>Encoder Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Straight Type)<br>Class 100100509: FA-Servo-Motion: Connector        |
| <a href="#">248687</a> | MR-ENCNS2A<br>Encoder Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Angle Type)<br>Class 100100509: FA-Servo-Motion: Connector          |
| <a href="#">482062</a> | MR-AENSCBL20M-H<br>Encoder cable for HK-KT/ST; Highflexible; 20 m; IP67<br>Class 100100508: FA-Servo-Motion: Cable                          |
| <a href="#">482063</a> | MR-AENSCBL30M-H<br>Encoder cable for HK-KT/ST; Highflexible; 30 m; IP67<br>Class 100100508: FA-Servo-Motion: Cable                          |
| <a href="#">482064</a> | MR-AENSCBL40M-H<br>Encoder cable for HK-KT/ST; Highflexible; 40 m; IP67<br>Class 100100508: FA-Servo-Motion: Cable                          |
| <a href="#">482065</a> | MR-AENSCBL50M-H<br>Encoder cable for HK-KT/ST; Highflexible; 50 m; IP67<br>Class 100100508: FA-Servo-Motion: Cable                          |
| <a href="#">482066</a> | MR-AENSCBL20M-L<br>Encoder cable for HK-KT/ST; Standard; 20 m; IP67<br>Class 100100508: FA-Servo-Motion: Cable                              |
| <a href="#">482067</a> | MR-AENSCBL30M-L<br>Encoder cable for HK-KT/ST; Standard; 30 m; IP67<br>Class 100100508: FA-Servo-Motion: Cable                              |
| <a href="#">482068</a> | MR-APWCNS4<br>Power connector set for HK-ST52(4)W,102(4)W,172(4)W,202(4)AW,302(4)W; IP67<br>Class 100100509: FA-Servo-Motion: Connector     |