



## MATERIAL FACT SHEET

### 481804 HK-ST302WB

#### 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/000000000000481804](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000481804)

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

|                            |                |
|----------------------------|----------------|
| Series                     | MELSERVO-J5    |
| Type                       | HK-ST          |
| Power Supply (V)           | 200            |
| Rated Capacity (kW)        | 3              |
| Inertia                    | MEDIUM INERTIA |
| Rated Torque (Nm)          | 14,3           |
| Maximum Torque (Nm)        | 43             |
| Rated Speed (rpm)          | 2000           |
| Maximum Speed (rpm)        | 2500           |
| Inertia (kg*cm2)           | 83,6           |
| Brake                      | YES            |
| 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)  | 271   |
| Weight (kg) | 12    |

#### Logistic Dimensions & Gross Weight

|                   |        |
|-------------------|--------|
| Length (cm)       | 51,0   |
| Width (cm)        | 17,0   |
| Height (cm)       | 23,0   |
| Gross Weight (kg) | 12,800 |
| Volume (cdm)      | 19,941 |

#### Stock Data

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

#### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 25.06.2019     |
| Predecessor | No Predecessor |

#### Additional Product Information

|                            |                  |
|----------------------------|------------------|
| Binding Tariff Information | DEBTI-10611/21-1 |
| BTI validity date          | 26.09.2024       |
| Battery included           | NO               |

#### Export Data

|                               |            |
|-------------------------------|------------|
| Commodity Code                | 85015220   |
| 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-ST302WB&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=HK-ST302WB&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-ST302WB&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=HK-ST302WB&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-ST302WB&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=HK-ST302WB&amp;doc-lang=en</a> |

## Product Packaging

|                   |      |
|-------------------|------|
| Cardboard (g)     | 800  |
| Other paper (g)   | 0    |
| Aluminum (g)      | 0    |
| Steel (g)         | 0    |
| Styrofoam (g)     | 0    |
| Other plastic (g) | 42,7 |
| Wood (g)          | 0    |
| Glass (g)         | 0    |
| Others (g)        | 1    |

## Spare parts

| Material               | Description                          | Quantity | Unit |
|------------------------|--------------------------------------|----------|------|
| 191245                 | HF-SP52/102/152(B) O-RINGP-BR/WEIGHT | 1        | PC   |
| <a href="#">278647</a> | HG-SR-51B - 152B BRAKE KEY           | 1        | PC   |
| <a href="#">342836</a> | HG-JR353-503(4)B(W0C) BRAKE          | 1        | PC   |
| 191238                 | HF-SP52/102/152(B) PRE LOAD SPRING   | 1        | PC   |
| <a href="#">191248</a> | HF-SP52 up to 702(B) JOINT OLDHAM    | 1        | PC   |
| <a href="#">191240</a> | HF-SP52/102/152(B) BEARING TMB206ZZ  | 1        | PC   |

## Compatible products

| Material               | Description / Price List Text / Classification                                                                                                   |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">160226</a> | MR-J3ENSCBL2M-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-J3ENSCBL5M-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-J3ENSCBL10M-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-J3ENSCBL2M-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-J3ENSCBL5M-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-J3ENSCBL10M-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="#">161575</a> | MR-BKCNS1<br>Brake-Connector-Set for HF-SE/SN/SP/JP, HG-SN/SR, HK-ST/RT motor<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     |

| Material               | Description / Price List Text / Classification                                                                                                |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">202249</a> | BCS015S-02.0-BKS1<br>Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 2m<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">202250</a> | BCS015S-05.0-BKS1<br>Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 5m<br>Class 100100508: FA-Servo-Motion: Cable  |
| <a href="#">202251</a> | BCS015S-10.0-BKS1<br>Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 10m<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">202252</a> | BCS015S-20.0-BKS1<br>Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 20m<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">202253</a> | BCS015S-30.0-BKS1<br>Brake cable; for HF-SE/SN/SP/JP, HG-SN/SR, HK-RT/ST; high flexible, grey, 30m<br>Class 100100508: FA-Servo-Motion: Cable |
| <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 |
| 214558                 | BCS015S-35.0-BKS1<br><br>Class 100100508: FA-Servo-Motion: Cable                                                                              |
| <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="#">227427</a> | MR-BKCNS1A<br>Brake Connector-Set for HF-JP(B), HK-ST/RT motor<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="#">248688</a> | MR-BKCNS2<br>Brake Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Straight Type)<br>Class 100100509: FA-Servo-Motion: Connector            |
| <a href="#">248689</a> | MR-BKCNS2A<br>Brake Connector Set for HG-SN/SR, HK-ST/RT motor, IP67 (Angle Type)<br>Class 100100509: FA-Servo-Motion: Connector              |
| 258914                 | BCS015S-06.0-BKS1<br>Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 6m<br>Class 100100508: FA-Servo-Motion: Cable            |
| 258925                 | BCS015S-08.0-BKS1<br>Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 8m<br>Class 100100508: FA-Servo-Motion: Cable            |
| 258926                 | BCS015S-12.0-BKS1<br>Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 12m<br>Class 100100508: FA-Servo-Motion: Cable           |
| 258927                 | BCS015S-13.0-BKS1<br>Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 13m<br>Class 100100508: FA-Servo-Motion: Cable           |
| <a href="#">258928</a> | BCS015S-15.0-BKS1<br>Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 15m<br>Class 100100508: FA-Servo-Motion: Cable           |
| 258929                 | BCS015S-16.0-BKS1<br>Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 16m<br>Class 100100508: FA-Servo-Motion: Cable           |

| Material               | Description / Price List Text / Classification                                                                                          |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 258930                 | BCS015S-18.0-BKS1<br>Brake cable; for HF-SE,-SN,-SP,-JP, HG-SR, high flexible, grey, 18m<br>Class 100100508: FA-Servo-Motion: Cable     |
| <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 |