



## MATERIAL FACT SHEET

### 261457 HG-JR1534B

#### General Data

|                     |                          |
|---------------------|--------------------------|
| Product Hierarchy   | IAK30223                 |
|                     | SERVO and Motion         |
|                     | HG-JR                    |
| Ext. Material Group | 10 STANDARD ITEM         |
| ABC Indicator       | A (Available from Stock) |

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/000000000000261457](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000261457)

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

|                            |                |
|----------------------------|----------------|
| Series                     | MELSERVO-J4    |
| Type                       | HG-JR          |
| Power Supply (V)           | 400            |
| Rated Capacity (kW)        | 1,5            |
| Inertia                    | LOW INERTIA    |
| Rated Torque (Nm)          | 4,8            |
| Maximum Torque (Nm)        | 14,3           |
| Rated Speed (rpm)          | 3000           |
| Maximum Speed (rpm)        | 6000           |
| Inertia (kg*cm2)           | 4,29           |
| Brake                      | YES            |
| Shaft Type                 | STRAIGHT SHAFT |
| Protection Class           | IP67           |
| Current Type               | AC             |
| Encoder Type               | 22-BIT         |
| Encoder Resolution (p/rev) | 4194304        |

#### Product Dimensions & Weight

|             |       |
|-------------|-------|
| Width (mm)  | 90    |
| Height (mm) | 138,8 |
| Depth (mm)  | 285   |
| Weight (kg) | 7,3   |

#### Logistic Dimensions & Gross Weight

|                   |        |
|-------------------|--------|
| Length (cm)       | 42,0   |
| Width (cm)        | 19,0   |
| Height (cm)       | 22,0   |
| Gross Weight (kg) | 7,950  |
| Volume (cdm)      | 17,556 |

#### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 100 |
|------------------------------|-----|

#### Life Cycle

|             |                                   |
|-------------|-----------------------------------|
| Sales Start | 02.06.2013                        |
| Predecessor | 227025 / HF-JP1534B 1.5KW 3000RPM |

#### Additional Product Information

|                  |    |
|------------------|----|
| 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=bltdae25c2bd5f2ff94&amp;q=HG-JR1534B&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=HG-JR1534B&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=HG-JR1534B&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=HG-JR1534B&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=HG-JR1534B&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=HG-JR1534B&amp;doc-lang=en</a> |

## Product Packaging

|                   |     |
|-------------------|-----|
| Cardboard (g)     | 760 |
| Other paper (g)   | 35  |
| Aluminum (g)      | 0   |
| Steel (g)         | 0   |
| Styrofoam (g)     | 0   |
| Other plastic (g) | 24  |
| Wood (g)          | 0   |
| Glass (g)         | 0   |
| Others (g)        | 0   |

## Spare parts

| Material               | Description                            | Quantity | Unit |
|------------------------|----------------------------------------|----------|------|
| 191212                 | HF-SP52/102/152(B) CONNECTOR PIN       | 3        | PC   |
| <a href="#">342833</a> | HG-JR53-203(4)(B)(W0C) P BRACKET       | 1        | PC   |
| <a href="#">342834</a> | HG-JR53-203(4)(B)(W0C) O BRACKET       | 1        | PC   |
| <a href="#">191227</a> | HF-SP52/102/152(B) CONNECTOR POWER     | 1        | PC   |
| <a href="#">342833</a> | HG-JR53-203(4)(B)(W0C) P BRACKET       | 1        | PC   |
| <a href="#">278665</a> | HG-KR/MR-73B BRAKE KEY                 | 1        | PC   |
| <a href="#">342837</a> | HG-JR53-203(4)B(W0C) COVER BRAKE       | 1        | PC   |
| <a href="#">333980</a> | HG-SN52-302BJ CONNECTOR BRAKE          | 1        | PC   |
| <a href="#">342839</a> | HG-JR53-203(4)(B)(W0C) BEARING 2       | 1        | PC   |
| <a href="#">342840</a> | HG-JR53-203(4)(B)(W0C) BEARING 3       | 1        | PC   |
| <a href="#">342841</a> | HG-JR53-203(4)(B)(W0C) OIL SEAL        | 1        | PC   |
| <a href="#">278646</a> | HG-SR-51A/B - 702A/B ENCODER SET       | 1        | PC   |
| <a href="#">191248</a> | HF-SP52 up to 702(B) JOINT OLDHAM      | 1        | PC   |
| <a href="#">191249</a> | HF-SP52 up to 702(B) JOINT TORQUE DISC | 1        | PC   |
| 191251                 | HF-SP52 up to 702(B) BOLT M4x14        | 4        | 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="#">161565</a> | MR-J3ENSCBL20M-H<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 20m, IP67<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">161566</a> | MR-J3ENSCBL30M-H<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 30m, 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             |

| Material               | Description / Price List Text / Classification                                                                                                |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <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="#">161570</a> | MR-J3ENSCBL20M-L<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, 20m, IP67<br>Class 100100508: FA-Servo-Motion: Cable                  |
| <a href="#">161571</a> | MR-J3ENSCBL30M-L<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, 30m, 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  |
| <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="#">244812</a> | MR-J3ENSCBL50M-H<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 50m, IP67<br>Class 100100508: FA-Servo-Motion: Cable    |
| <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            |

| Material               | Description / Price List Text / Classification                                                                                             |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <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        |
| 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="#">269076</a> | MR-J3ENSCBL40M-H<br>Encoder cable; for HC-RP, HF-SN,-SP,-JP, HG-SN,-SR, highflexible, 40m, IP67<br>Class 100100508: FA-Servo-Motion: Cable |