



## MATERIAL FACT SHEET

### 481619 HK-KT103W

#### General Data

|                     |                                     |
|---------------------|-------------------------------------|
| Product Hierarchy   | IAK30230                            |
|                     | SERVO and Motion                    |
|                     | HK-KT                               |
| Ext. Material Group | 10 STANDARD ITEM                    |
| ABC Indicator       | B (Limited Availability from Stock) |

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/000000000000481619](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000481619)

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

|                            |                |
|----------------------------|----------------|
| Series                     | MELSERVO-J5    |
| Type                       | HK-KT          |
| Power Supply (V)           | 200            |
| Rated Capacity (kW)        | 1              |
| Inertia                    | LOW INERTIA    |
| Rated Torque (Nm)          | 3,2            |
| Maximum Torque (Nm)        | 11,1           |
| Rated Speed (rpm)          | 3000           |
| Maximum Speed (rpm)        | 6500           |
| Inertia (kg*cm2)           | 1,68           |
| 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)  | 80    |
| Height (mm) | 96,6  |
| Depth (mm)  | 141,5 |
| Weight (kg) | 2,4   |

#### Logistic Dimensions & Gross Weight

|                   |       |
|-------------------|-------|
| Length (cm)       | 31,0  |
| Width (cm)        | 10,0  |
| Height (cm)       | 17,0  |
| Gross Weight (kg) | 2,693 |
| Volume (cdm)      | 5,270 |

#### Stock Data

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

#### Life Cycle

|             |                |
|-------------|----------------|
| Sales Start | 24.06.2019     |
| Predecessor | No Predecessor |

#### Additional Product Information

|                            |                  |
|----------------------------|------------------|
| Binding Tariff Information | DEBTI-10616/21-1 |
| 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=bltdae25c2bd5f2f94&amp;q=HK-KT103W&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2f94&amp;q=HK-KT103W&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-KT103W&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=HK-KT103W&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-KT103W&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=HK-KT103W&amp;doc-lang=en</a> |

### Product Packaging

|                   |     |
|-------------------|-----|
| Cardboard (g)     | 300 |
| Other paper (g)   | 0,5 |
| Aluminum (g)      | 0   |
| Steel (g)         | 0   |
| Styrofoam (g)     | 0   |
| Other plastic (g) | 6,9 |
| Wood (g)          | 0   |
| Glass (g)         | 0   |
| Others (g)        | 1   |

### Spare parts

| Material               | Description        | Quantity | Unit |
|------------------------|--------------------|----------|------|
| <a href="#">686736</a> | HK-KT434WB ENCODER | 1        | PC   |

### Compatible products

| Material               | Description / Price List Text / Classification                                                                                           |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">161572</a> | MR-ECNM<br>Encoder-connector-set for HF-KE,-KN,-KP,-MP, HG-KN,-KR,-MR motor types<br>Class 100100509: FA-Servo-Motion: Connector         |
| <a href="#">481661</a> | MR-AEP1CBL5M-A1-H<br>Motor cable for HK-KT; Load-side; Highflexible; 5 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable                |
| <a href="#">481662</a> | MR-AEP1CBL10M-A1-H<br>Motor cable for HK-KT; Load-side; Highflexible; 10 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable              |
| <a href="#">481663</a> | MR-AEP1CBL2M-A2-H<br>Motor cable for HK-KT; Opposite Load-side; Highflexible; 2 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">481936</a> | MR-AEP2CBL2M-A1-H<br>Motor cable for HK-KT; Load-side; Highflexible; 2 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable          |
| <a href="#">481937</a> | MR-AEP2CBL5M-A1-H<br>Motor cable for HK-KT; Load-side; Highflexible; 5 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable          |
| <a href="#">481938</a> | MR-AEP2CBL10M-A1-H<br>Motor cable for HK-KT; Load-side; Highflexible; 10 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable        |
| <a href="#">481939</a> | MR-AEP2CBL2M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 2 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable              |
| <a href="#">481940</a> | MR-AEP2CBL5M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 5 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable              |
| <a href="#">481941</a> | MR-AEP2CBL10M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 10 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable            |
| <a href="#">481982</a> | MR-AEP2CBL2M-A2-H<br>Motor cable for HK-KT; Opposite Load-side; Highflexible; 2 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable |

| Material               | Description / Price List Text / Classification                                                                                             |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">481983</a> | MR-AEP2CBL5M-A2-H<br>Motor cable for HK-KT; Opposite Load-side; Highflexible; 5 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable   |
| <a href="#">481984</a> | MR-AEP2CBL10M-A2-H<br>Motor cable for HK-KT; Opposite Load-side; Highflexible; 10 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">481985</a> | MR-AEP2CBL2M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 2 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">481986</a> | MR-AEP2CBL5M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 5 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">481987</a> | MR-AEP2CBL10M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 10 m; IP65; Dual<br>Class 100100508: FA-Servo-Motion: Cable     |
| <a href="#">482000</a> | MR-AEP1CBL2M-A1-H<br>Motor cable for HK-KT; Load-side; Highflexible; 2 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable                  |
| <a href="#">482001</a> | MR-AEP1CBL2M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 2 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable                      |
| <a href="#">482012</a> | MR-AEP1CBL5M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 5 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable                      |
| <a href="#">482013</a> | MR-AEP1CBL10M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 10 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable                    |
| <a href="#">482014</a> | MR-AEP1CBL5M-A2-H<br>Motor cable for HK-KT; Opposite Load-side; Highflexible; 5 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable         |
| <a href="#">482015</a> | MR-AEP1CBL10M-A2-H<br>Motor cable for HK-KT; Opposite Load-side; Highflexible; 10 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable       |
| <a href="#">482016</a> | MR-AEP1CBL2M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 2 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable             |
| <a href="#">482017</a> | MR-AEP1CBL5M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 5 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable             |
| <a href="#">482018</a> | MR-AEP1CBL10M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 10 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable           |
| <a href="#">482052</a> | MR-AEP2J10CBL03M-A1-L<br>Motor cable for HK-KT; Load-side; Standard; 0,3 m; IP20; Dual<br>Class 100100508: FA-Servo-Motion: Cable          |
| <a href="#">482053</a> | MR-AEP2J10CBL03M-A2-L<br>Motor cable for HK-KT; Opposite Load-side; Standard; 0,3 m; IP20; Dual<br>Class 100100508: FA-Servo-Motion: Cable |
| <a href="#">482056</a> | MR-AEKCBL20M-H<br>Encoder cable for HK-KT; Highflexible; 20 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                            |
| <a href="#">482057</a> | MR-AEKCBL30M-H<br>Encoder cable for HK-KT; Highflexible; 30 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                            |
| <a href="#">482058</a> | MR-AEKCBL40M-H<br>Encoder cable for HK-KT; Highflexible; 40 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                            |
| <a href="#">482059</a> | MR-AEKCBL50M-H<br>Encoder cable for HK-KT; Highflexible; 50 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                            |
| <a href="#">482060</a> | MR-AEKCBL20M-L<br>Encoder cable for HK-KT; Standard; 20 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                                |
| <a href="#">482061</a> | MR-AEKCBL30M-L<br>Encoder cable for HK-KT; Standard; 30 m; IP20;<br>Class 100100508: FA-Servo-Motion: Cable                                |
| <a href="#">587683</a> | MR-AEP1CBL2M-A5-L<br>Motor cable for HK-KT; Vertical drawer; Standard; 2 m; IP65<br>Class 100100508: FA-Servo-Motion: Cable                |