



Mitsubishi Electric

## HF-KP73

#discontinued - AC brushless rotary servo motor with straight shaft + built-in absolute feedback encod. (18-bit) - Mitsubishi Electric (MELSERVO J3 - HF-KP series) - Rated output 750W / 0.75kW - 18-bit (equivalent to 260000ppr) feedback - Rated current 5.2A - Supply voltage 200Vac class - Rated torque 2.4Nm nominal - Rated rotational speed 3000rpm - 80x80mm flange mounting - IP65 - rated for 0...+40°C ambient - equivalent to HFKP73

### Specifications

|                              |                                                                                                    |
|------------------------------|----------------------------------------------------------------------------------------------------|
| Primary brand                | Mitsubishi Electric                                                                                |
| Main function                | AC servo motor                                                                                     |
| Product series / family name | Industrial automation > Drive products > Servo systems > AC Servo motors > MELSERVO J3 series      |
| Sub-range name               | MELSERVO J3 - HF-KP series                                                                         |
| Functions                    | AC brushless rotary servo motor                                                                    |
| Design                       | straight shaft<br>built-in absolute feedback encod. (18-bit)<br>low inertia / small power capacity |
| Supply voltage (AC)          | 200Vac class                                                                                       |
| Rated current                | 5.2A<br>15.6A (max. current)                                                                       |
| Rated active power (kW)      | 750W / 0.75kW                                                                                      |
| Rotational speed             | 3000rpm<br>6000rpm (maximum)                                                                       |
| Torque                       | 2.4Nm nominal                                                                                      |
| Maximum torque               | 7.2Nm                                                                                              |
| Moment of inertia            | 0.000143kg.m <sup>2</sup> (1.43kg.cm <sup>2</sup> )                                                |
| Mounting mode                | 80x80mm flange mounting                                                                            |
| Resolution                   | 18-bit (equivalent to 260000ppr) feedback                                                          |
| Degree of protection         | IP65                                                                                               |
| Dimensions                   | H96mm x W80mm x D153.8mm                                                                           |

|                                       |                |
|---------------------------------------|----------------|
| Net Height (mm)                       | 96 mm          |
| Net Width (mm)                        | 80 mm          |
| Net Depth (mm)                        | 153.8 mm       |
| Ambient air temperature for operation | 0...+40 °C     |
| Ambient air temperature for storage   | -15°C...+70 °C |
| Order code / Manufacturer SKU         | HF-KP73        |
| Manufacturer product status           | Discontinued   |
| Equivalent to                         | HFKP73         |
| Manufacturer description              | SRVMTR 750W    |

## Benefits

taking advantage of the characteristics of a servo motor such as smallness and high-output this motor serves as a compact and high-output spindle motor which is capable of high-speed rotation 6000rpm

## Documents

[Mitsubishi Electric - MELSERVO J3 series - Catalogue.pdf](#)

[Mitsubishi Electric - MELSERVO J3 series - LM Linear servo - Catalogue.pdf](#)

[Mitsubishi Electric - MR-J3 Servo Brochure.pdf](#)