

# MD-6210

# MD-6310

## General-purpose AC Servomotor



### Specifications

| Product code |                                     | MD-6210                                  |                                  | MD-6310                   |                                |
|--------------|-------------------------------------|--|----------------------------------|---------------------------|--------------------------------|
| Power supply |                                     | Single-phase 110 V, 50/60 Hz             | Single-phase 220V~240V, 50/60 Hz | Three-phase 220V, 50/60Hz | Three-phase 380V~400V, 50/60Hz |
| Motor        | Model                               | LOW-9-N                                  |                                  |                           | HIGH-9-N                       |
|              | Type                                | Induction motor                          |                                  |                           |                                |
|              | Rated output                        | 550 W                                    |                                  |                           |                                |
|              | Rated speed                         | 3,500 min <sup>-1</sup>                  |                                  |                           |                                |
|              | Insulation class                    | Type E                                   |                                  |                           |                                |
| Control box  | Voltage                             | 110 V                                    | 220V~240V                        | 220 V                     | 380V~400V                      |
|              | Speed control range (machine shaft) | Up to 5,000 rpm (Overlock: MAX 8,500rpm) |                                  |                           |                                |
|              | Solenoid resistance                 | 5 Ω or more                              |                                  |                           |                                |
|              | Allowable voltage fluctuation       | ±10%                                     |                                  |                           |                                |
|              | Operating temperature               | 5°C - 35°C                               |                                  |                           |                                |
|              | Operating humidity                  | 45%RH - 85%RH (no condensation)          |                                  |                           |                                |
|              | Storage temperature / humidity      | -20°C - 60°C 25%RH - 90%RH               |                                  |                           |                                |
|              | Weight                              | 16kg (Main unit)                         |                                  |                           |                                |
|              | Dimensions                          | 335 (W) x 307 (H) x 218 (D) (Main unit)  |                                  |                           |                                |

### MD-6210

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| Power supply |              |
|--------------|--------------|
| 6210         | Single-phase |
| 6310         | Three-phase  |

| Applicable machine heads |                        |      |             |                 |     |
|--------------------------|------------------------|------|-------------|-----------------|-----|
| Single-needle            | Pulley                 |      | Twin-needle | Pulley          |     |
| 1                        | 737□                   | φ75  | E           | P73□<br>P81□    | φ80 |
| 2                        | 201□                   | φ75  | H           | COV(256□etc.)   | φ65 |
| 3                        | 722□                   | φ75  | J           | HEN(776□)       | φ75 |
| 4                        | 724□                   | φ75  | K           | SUF(891□etc.)   | φ80 |
| 5                        | 748□                   | φ75  | L           | SBL             | φ55 |
| 6                        | 791□<br>774□           | φ75  | U           | 291□            |     |
| 7                        | 798□<br>728□           | φ75  | V           | 942□            |     |
| 8                        | 852□<br>853□<br>854□   | φ77  | Z           | No head setting |     |
| 9                        | 883□                   | φ77  |             |                 |     |
| A                        | Overlock               | φ55  |             |                 |     |
| B                        | Twin-needle (842 etc.) | φ75  |             |                 |     |
| C                        | 877□<br>878□           | φ75  |             |                 |     |
| D                        | C51□                   | φ102 |             |                 |     |

| Treadle unit |  |
|--------------|--|
| 7            | One forward step, two backward steps<br>With standing pedal plug |

| Maximum machine head speed + pulley size |                      |
|--|----------------------|
| 1  | (850rpm) 1,000 rpm   |
| 2  | 2,000 rpm            |
| 3  | 2,200 rpm            |
| 4  | 2,400 rpm            |
| 5  | 2,500 rpm            |
| 6  | 2,600 rpm            |
| 7  | 3,000 rpm            |
| 8  | 3,500 rpm            |
| 9  | 4,000 rpm            |
| A  | 4,500 rpm            |
| B  | 5,000 rpm            |
| C  | 5,500 rpm            |
| D  | 6,000 rpm            |
| E  | 6,500 rpm            |
| F  | 7,000 rpm            |
| G  | 7,500 rpm            |
| H  | 8,000 rpm            |
| J  | 8,500 rpm            |
| K  | φ105 general purpose |
| L  | φ90 general purpose  |
| M  | φ80 3,500 rpm        |
| N  | φ80 general purpose  |

\*Each pulley size indicates the size measured from the outside of belt with the belt attached to the pulley.