Mitsubishi Electric AC Servo System

Sales and Service

No.22-14E

Style Change in Dimension Drawings for AC Servo Motors

Thank you for your continued patronage of the Mitsubishi Electric AC servo system.
The style in dimension drawings for AC servo motors will be changed as follows.

1. Target Dimension Drawings

(1) Dimension drawings of the HK series rotary servo motors described in catalogs, user's manuals, and transition handbooks

(2) Dimension drawings of the AC servo motors to be provided when newly added or revised

* Dimension drawings will not be revised only for this change.

2. Reason for the Change

For compliance with the latest Japanese Industrial Standards (JIS)

3. Outline of the Change

The style in the dimension drawings will be changed, and some of the description methods will also be revised.
For details, refer to "Table 1. Comparison of before and after changes and revision examples of the description methods". This change does not affect the functions, performance, and dimensions of the products.

4. Schedule

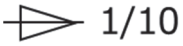
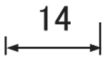
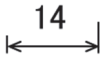
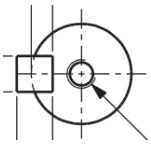
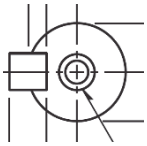
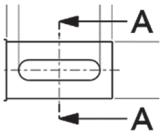
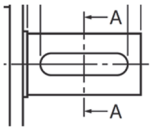
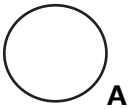
(1) For catalogs, user's manuals, and transition handbooks, this change will be made sequentially from April 2023.

(2) For dimension drawings of the AC servo motors to be provided when newly added or revised, the change has been made sequentially since November 2022. The dimension drawings that have already been published will be changed in future revisions.
For some models, dimension drawings in both the former and new styles may be distributed around the same time, depending on the revision schedule.

Date of issue	December 2022	Title	Style Change in Dimension Drawings for AC Servo Motors	Mitsubishi Electric Corp., Nagoya Works 1-14, Yada-minami 5-chome, Higashi-ku, Nagoya 461-8670 Tel.: +81 (52) 721-2111 Main line

5. Details of the Change

Table 1. Comparison of before and after changes and revision examples of the description methods

Change	After	Before
Indication of multiple holes	4× Φ6.2 12× Φ4.8	4-Φ6.2 2×6×Φ4.8
Indication of holes/counterbores	Φ6⌴Φ10↧6.2	B-6 drill, 10 counter boring, depth 6.2
Indication of "tapped through holes"	2× M3	2×M3 tapped through hole
Indication of chamfering	1×45°	C1
Indication of square sizes	"60" is indicated on two sides	□60
Line type of imaginary lines	Long-dashed double-dotted line	Broken line
Pin assignment diagram	Arrow view provided	No arrow view provided
Indication of "sectional view" and "arrow view"	A-A, B	Section A-A, arrow B
Arrow mark of an arrow view		
Taper mark		Taper 1/10
Dimension value	5.4 max	5.4 or less
Terminal symbols of dimension lines, etc.		
Indication of screw holes	The upper-right quarter of the line indicating the groove diameter is to be cut out. 	Double circle 
Indication of a cutting-plane line	Long-dashed dotted line with its end parts in bold 	Long-dashed dotted narrow line 
Indication of an enlarged part of a sectional enlarged view	Circled in a narrow continuous line 	Circled in a long-dashed double-dotted narrow line 
Indication of hole pitch tolerances	6 × 60 (= 360) (Note) Note. Pitch tolerance between holes at both ends: ±0.3	6 × 60 (= 360 cumulative pitch error ±0.3)