

## AC Servo Sales and Service

### Direct Drive Motors Comply with the UL and CSA Standards

Thank you for your continued patronage of the Mitsubishi Electric general-purpose AC servo and Mitsubishi Electric FA products.

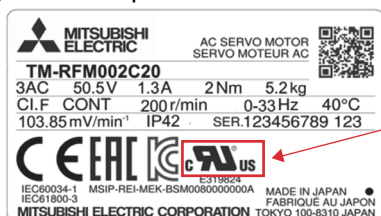
The direct drive motors are now compliant with the UL and CSA standards (UL1004-1, UL1004-6, and CSA-C22.2 No. 100). The specifications and the descriptions on the rating plate will be partially changed accordingly. We ask for your understanding in this matter. This change does not affect the functions and performance of the products.

#### 1. Target Model

TM-RFM series direct drive motors

#### 2. Details of the Change

The UL Recognized Component Mark is added to the rating plate of the UL-certified motors.



UL Recognized Component Mark

#### 3. Compliance with the UL and CSA Standards

TM-RFM series direct drive motors are compliant with the UL and CSA standards when the motors are mounted on an aluminum flange of the following size.

To comply with the standards, mount the motor on a machine with a heat radiating effect equivalent to that of the flange.

Flange size (width × height × thickness) [mm]	TM-RFM
400 × 400 × 20	002C20, 004C20, 006C20
550 × 550 × 35	006E20, 012E20, 018E20
650 × 650 × 35	012G20, 048G20, 072G20
750 × 750 × 45	040J10, 120J10
950 × 950 × 50	240J10

To comply with the standards, use UL-certified copper wires rated at 75°C for wiring. The following table shows applicable wire sizes (AWG) rated at 75°C.

TM-RFM	U/V/W/⊕
002C20, 004C20, 006C20, 006E20, 012E20, 018E20, 012G20	16 (Note 2)
048G20, 072G20	12
040J10	16 (Note 2)
120J10	12
240J10	10

Note 1. For the crimp terminals to be used to connect with a servo amplifier, refer to the relevant servo amplifier instruction manual.

2. To comply with UL508A and NFPA79, AWG 14 or more is required.

#### 4. Schedule

This change will be made sequentially from the April 2017 production.

There may be cases where both the former and new products exist in the distribution stage.

#### 5. Others

The contents of this change will be included to the next revision of the catalogs and the instruction manuals.

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