

## Sales and Service

### Change in the Specifications of HK-KT153(4)W and HK-KT203(4)W AC Servo Motors

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

#### 1. Target Model

HK-KT153W, HK-KT203W, HK-KT1534W, HK-KT2034W

#### 2. Reason for the Change

To meet the need for high-speed operation

(1) Specifications when connected with a 200 V servo amplifier

Rotary servo motor model	HK-KT	153W		203W		1534W		2034W	
		Before	After	Before	After	Before	After	Before	After
Maximum torque	[N·m]	16.7 (21.5)	← ←	19.1 (25.5)	← ←	21.5	19.1 (21.5)	25.5	22.3 (25.5)
Maximum speed	[r/min]	5000	6700	5000	6000	2500	3000	2500	3000
Rated current	[A]	6.5	8.7	9.0	11	3.3	4.4	4.5	5.3
Maximum current	[A]	26 (34)	34 (46)	30 (41)	34 (48)	17	20 (23)	21	21 (24)

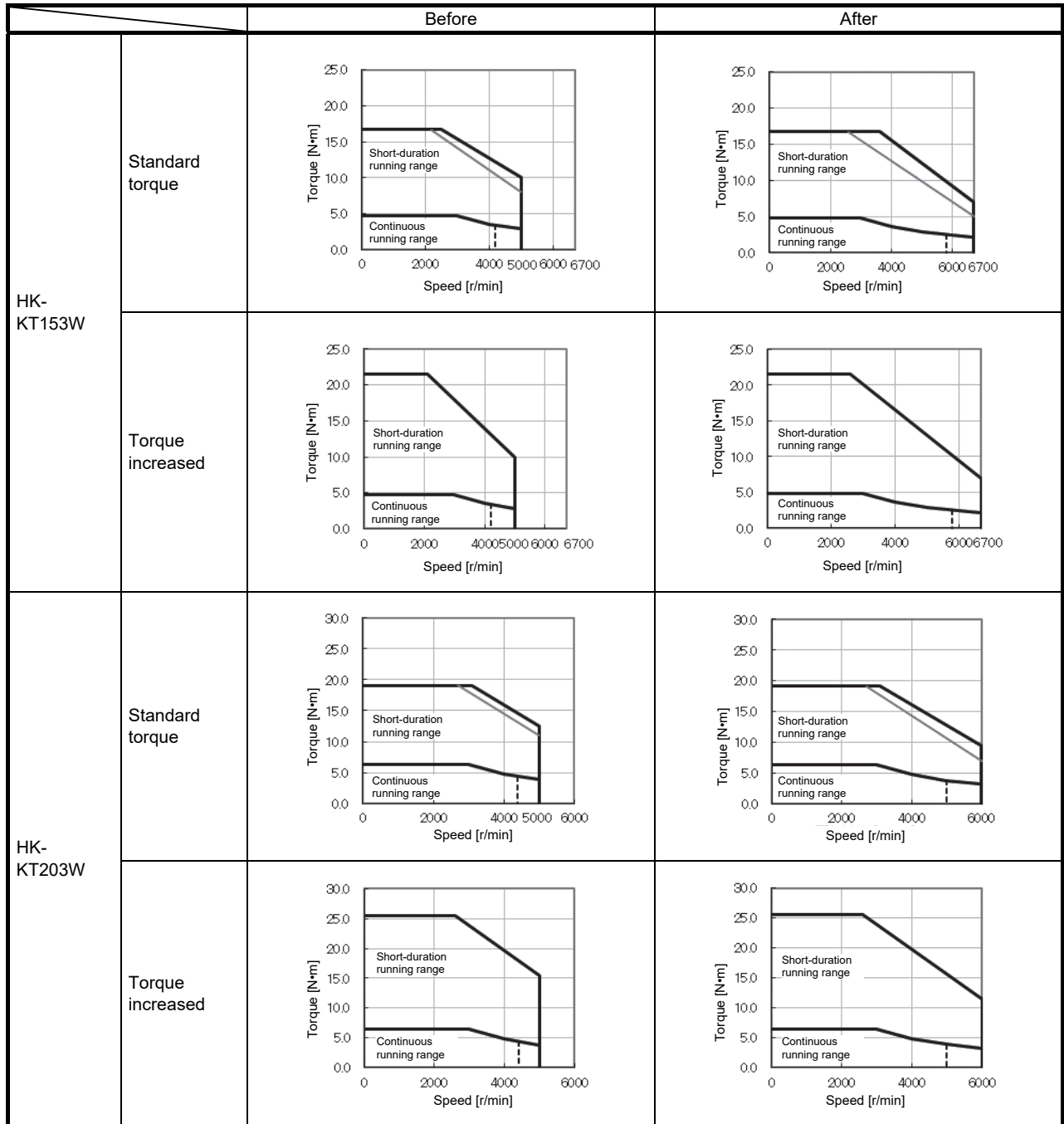
\*1. The value in brackets is applicable when the torque is increased in combination with a larger-capacity servo amplifier.

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(2) Torque characteristics when connected with a 200 V servo amplifier

—: For 3-phase 200 V AC

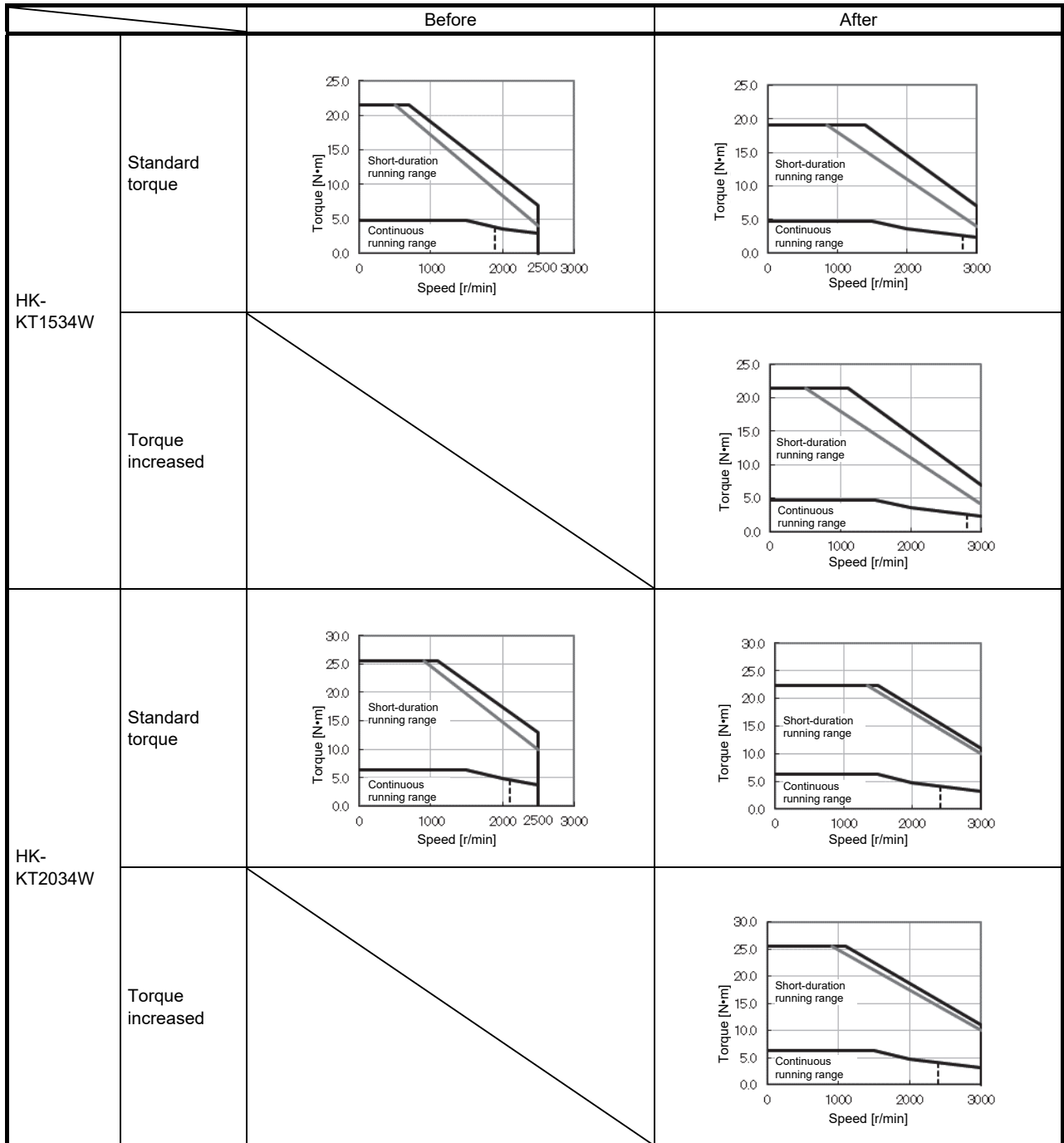
—: For 1-phase 200 V AC



\*1. Torque drops when the power supply voltage is below the specified value.

----- : A rough indication of the possible continuous running range for 3-phase 170 V AC

—: For 3-phase 200 V AC  
 —: For 1-phase 200 V AC



\*1. Torque drops when the power supply voltage is below the specified value.

----- : A rough indication of the possible continuous running range for 3-phase 170 V AC

(3) Combinations of servo motors and 200 V servo amplifiers

The maximum torques of some combinations will be changed. (Changes are indicated in underlined bold font.)

○: Standard torque ◎: Torque increased

Combinations of servo motors and servo amplifiers	Before					After				
	Servo motor HK-KT_	MR-J5- (200 V)				Servo motor HK-KT_	MR-J5- (200 V)			
		70G/A	100G/A	200G/A	350G/A		70G/A	100G/A	200G/A	350G/A
153W	-	-	○ (16.7)	◎ (21.5)	153W	-	-	○ (16.7)	◎ (21.5)	
203W	-	-	○ (19.1)	◎ (25.5)	203W	-	-	○ (19.1)	◎ (25.5)	
1534W	○ (21.5)	○ (21.5)	○ (21.5)	-	1534W	○ <b>(19.1)</b>	○ <b>(19.1)</b>	◎ (21.5)	-	
2034W	-	○ (25.5)	○ (25.5)	○ (25.5)	2034W	-	○ <b>(22.3)</b>	◎ (25.5)	◎ (25.5)	

\*1. The value in brackets indicates the maximum torque [N·m].

### 3. Schedule

The specifications of the servo motors will be changed sequentially from the June 2020 production. Note that, depending on the stock status, the servo motors with both the former and new specifications may be distributed in the market around the same time.

\* The production year and month of the servo motors are indicated in the serial number on the rating plate.

The year and month of manufacture are indicated by the last two digits of the year and one digit of the month [1 to 9, X (10), Y (11), and Z (12)].

For June 2020, the serial number is "SER. \_\_\_\_\_ 206". (The servo motors with the new specifications have a serial number of "SER. \_ 206" or later.)

For details of the descriptions on the rating plate, refer to "Rotary Servo Motor User's Manual".

\* If this change causes any inconvenience, contact your local sales office.

\* The revised MELSERVO-J5 catalog (L(NA)03179ENG-D) will be issued in August 2020.

\* Drive system sizing software Motorizer version 1.010L or later supports the servo motors with the new specifications.