

Sales and Service

Revisions of Torque Characteristics of HK Series AC Servo Motors for 1-Phase 200 V AC Connection

Thank you for your continued patronage of the Mitsubishi Electric AC servo system.
For some models of the HK series AC servo motors, the torque characteristics described in the catalog and manual will be revised as follows.

1. Target Model

Rotary servo motors

HK-KT_W series : HK-KT13W, HK-KT1M3W, HK-KT43W, HK-KT7M3W, HK-KT103W, HK-KT63UW,
HK-KT103UW, HK-KT202W

HK-KT_4_W series : HK-KT434W, HK-KT634W, HK-KT1034W, HK-KT2034W, HK-KT2024W

HK-MT_W series : HK-MT103W

HK-ST_W series : HK-ST52W, HK-ST102W, HK-ST172W, HK-ST202AW

HK-ST_4_W series : HK-ST524W, HK-ST1024W, HK-ST1724W, HK-ST2024AW, HK-ST3024W,
HK-ST2024W, HK-ST3524W

HK-RT_W series : HK-RT153W, HK-RT203W

2. Applicable Documents

- Catalog : Mitsubishi Electric AC Servo System MELSERVO-J5 (L(NA)03179ENG)
: Transition from MELSERVO-J4 Series to J5 Series Handbook (L(NA)03201ENG)
- Manual : Rotary Servo Motor User's Manual (For MR-J5) (SH(NA)-030314ENG)

3. Details of the Revisions

For the torque characteristics for 1-phase 200 V AC connection described in the catalog and manual, the characteristics of the short-duration running range will be revised. For specific details of the revisions, refer to "6. Details of the Revisions of the Torque Characteristics".

These revisions are made to the torque characteristics described in the catalog and manual, not to the specifications of the servo motors themselves. Note that the functions and the performance of the servo motors remain the same.

4. Reason for the Revision

The torque characteristics, which are representative values, will be revised to provide consistent performance when the servo motors are used within the specified range.

5. Schedule

The catalog and manual will be revised sequentially from the edition in or after November 2023.

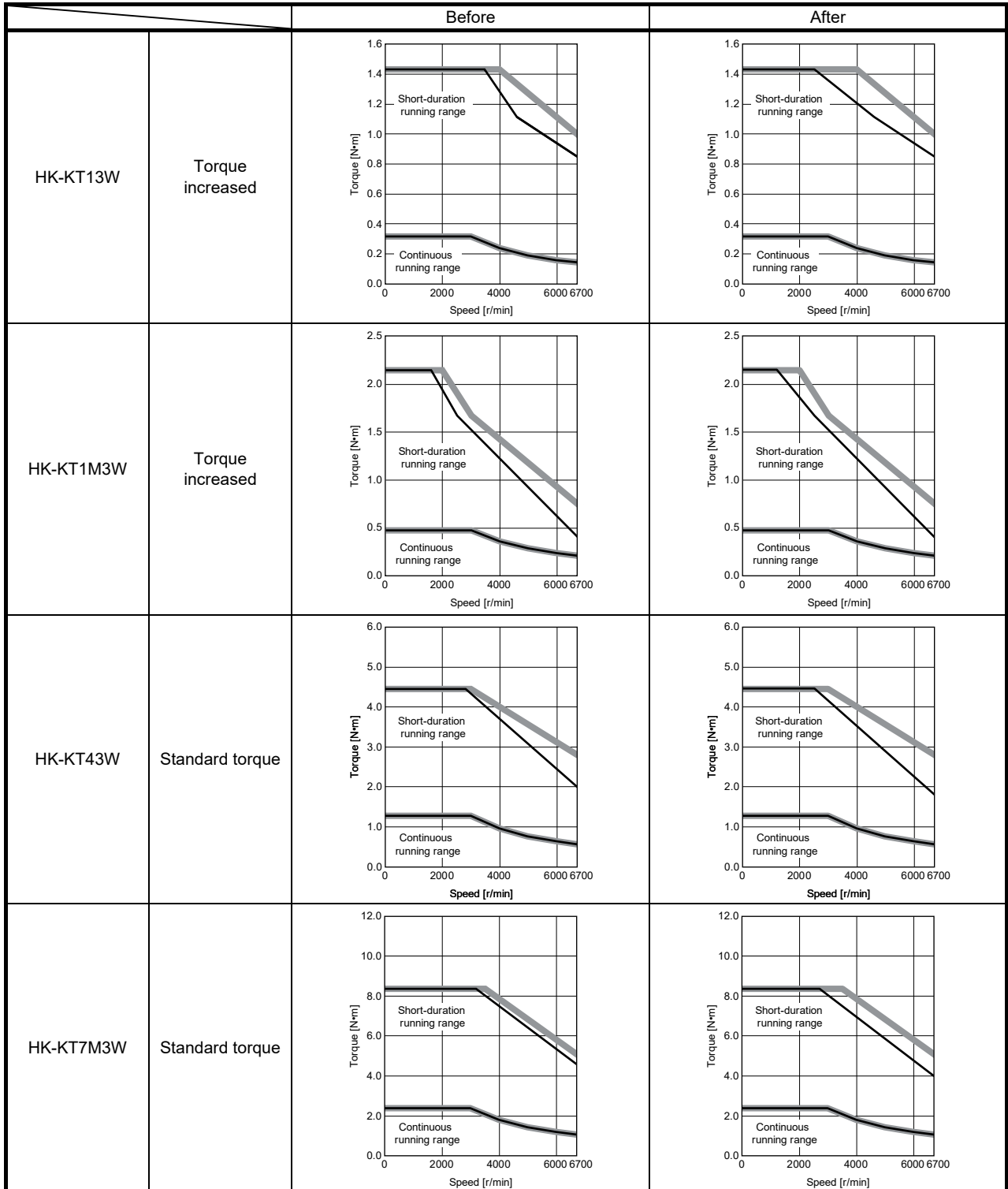
Date of issue	November 2023	Title	Revisions of Torque Characteristics of HK Series AC Servo Motors for 1-Phase 200 V AC Connection	Mitsubishi Electric Corp., Nagoya Works 1-14, Yada-minami 5-chome, Higashi-ku, Nagoya 461-8670 Tel.: +81 (52) 721-2111 Main line
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6. Details of the Revisions of the Torque Characteristics

The torque characteristics before and after the revisions of the target models are shown in the following tables.

Torque characteristics of HK-KT_W series (when connected with a 200 V servo amplifier)

— : 3-phase 200 VAC
 — : 1-phase 200 VAC

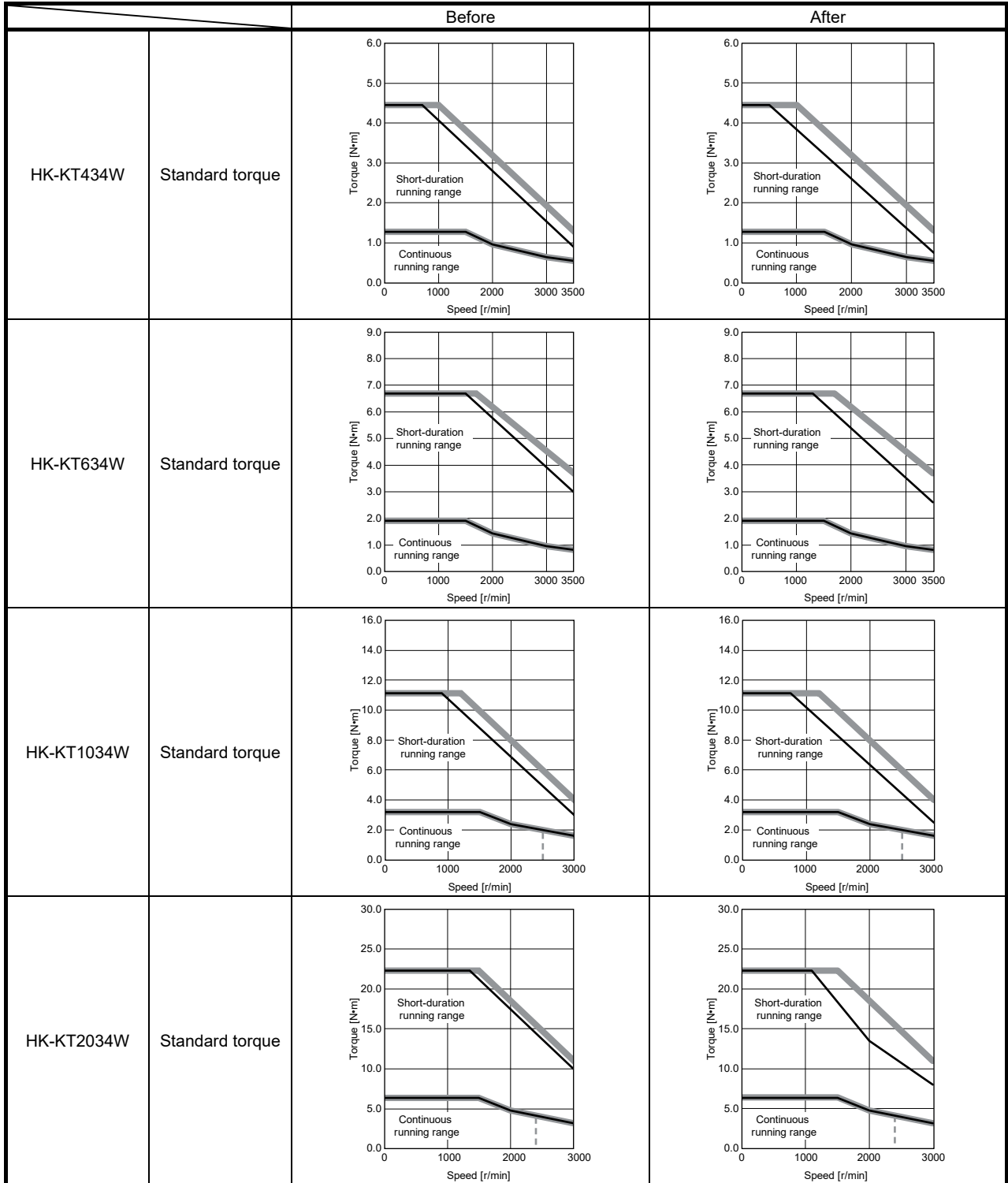


■ : 3-phase 200 VAC
 — : 1-phase 200 VAC

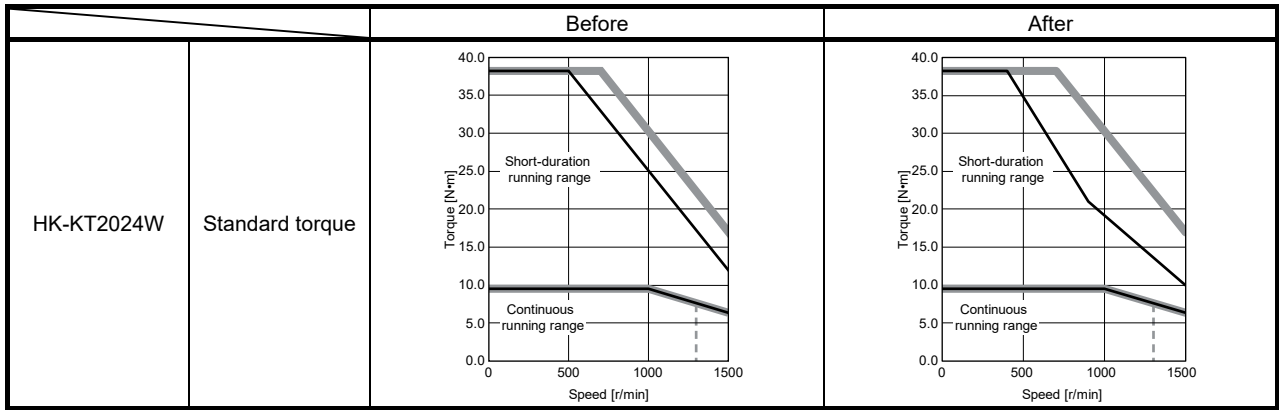
		Before	After
HK-KT103W	Standard torque		
HK-KT63UW	Torque increased		
HK-KT103UW	Standard torque		
HK-KT202W	Standard torque		

Torque characteristics of HK-KT_4W series (when connected with a 200 V servo amplifier)

— : 3-phase 200 VAC
 — : 1-phase 200 VAC

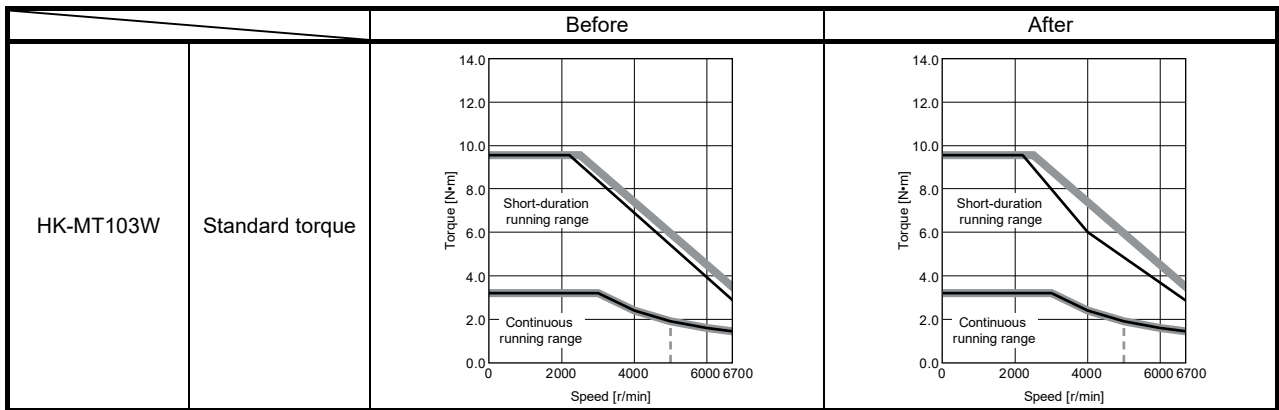


■ : 3-phase 200 VAC
 — : 1-phase 200 VAC



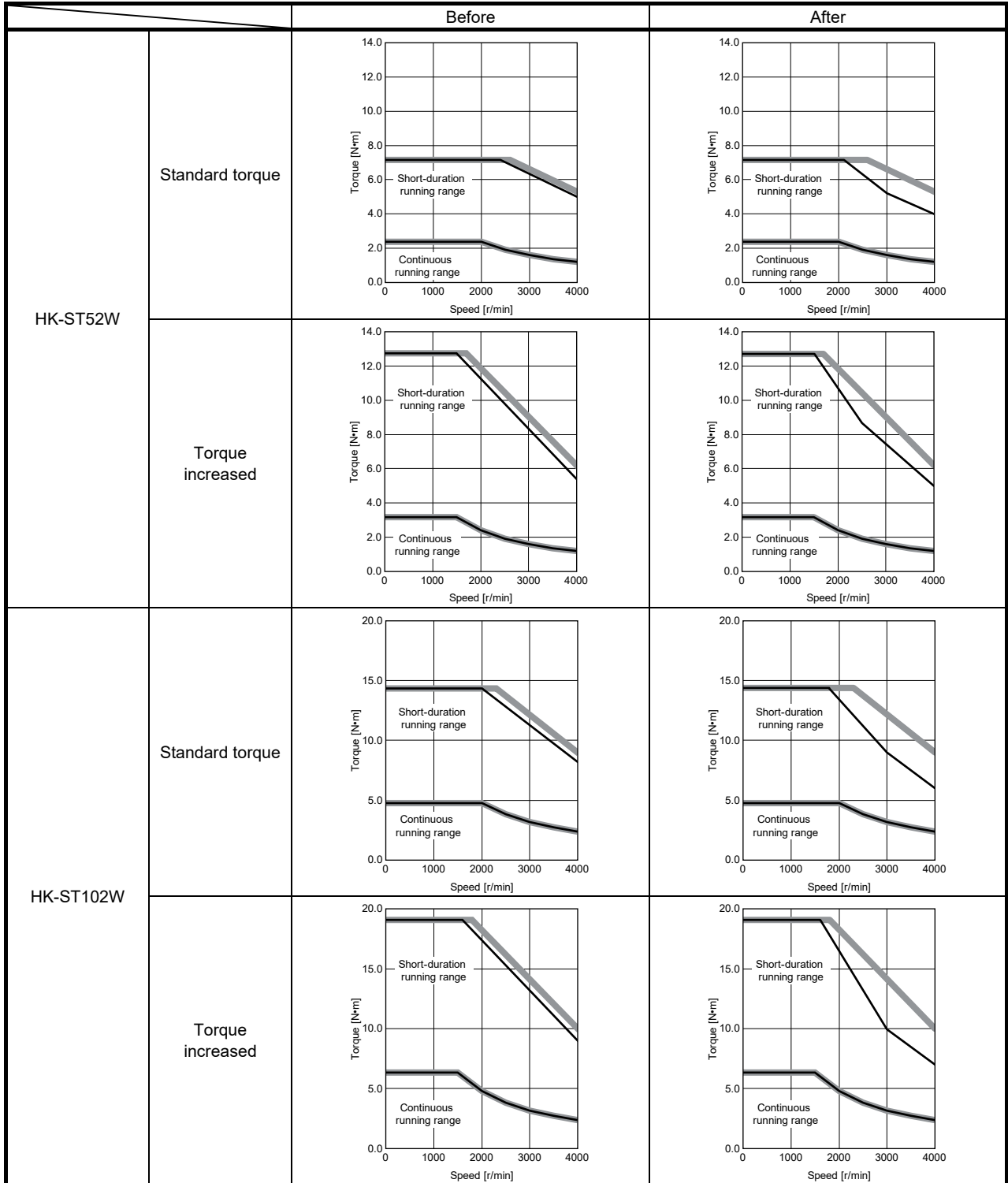
Torque characteristics of HK-MT_W series (when connected with a 200 V servo amplifier)

■ : 3-phase 200 VAC
 — : 1-phase 200 VAC

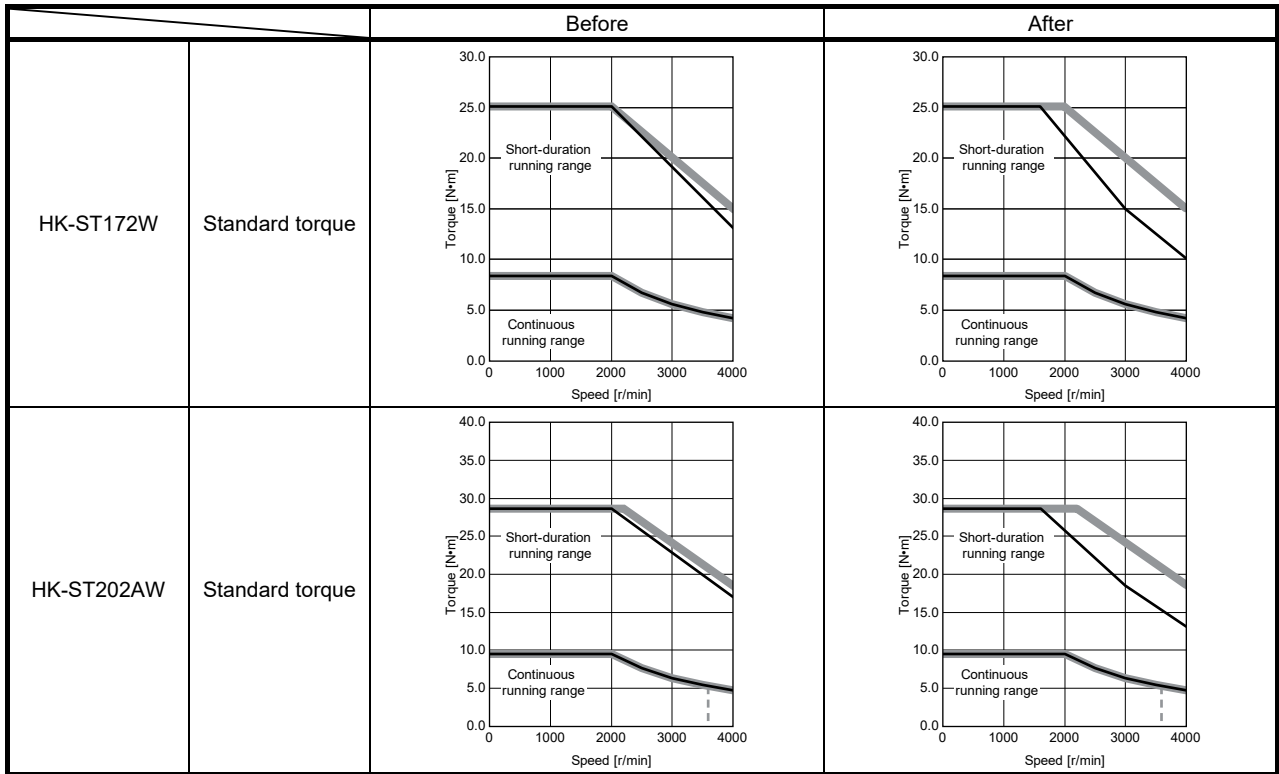


Torque characteristics of HK-ST_W series (when connected with a 200 V servo amplifier)

— : 3-phase 200 VAC
 — : 1-phase 200 VAC

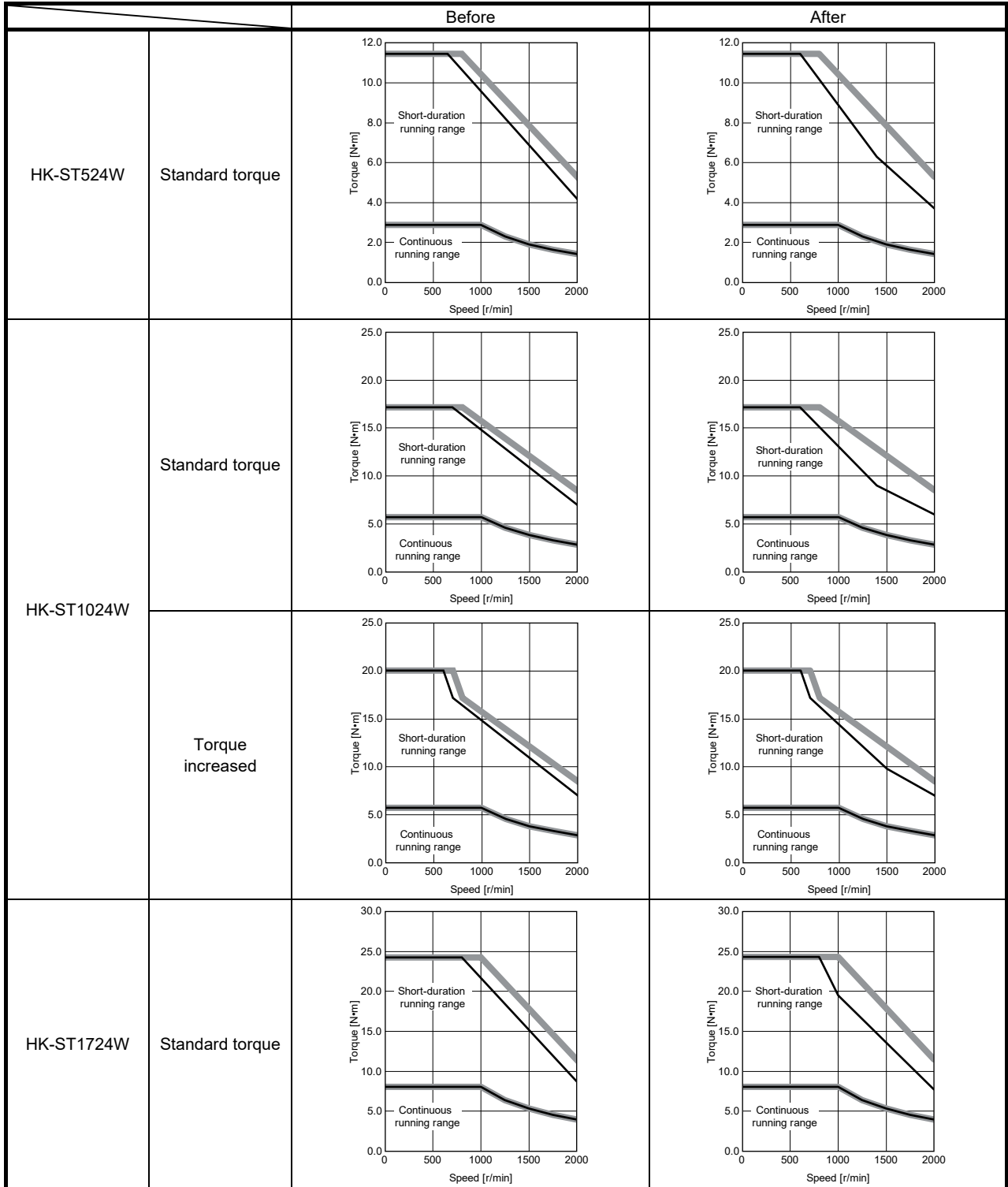


■ : 3-phase 200 VAC
 — : 1-phase 200 VAC



Torque characteristics of HK-ST_4W series (when connected with a 200 V servo amplifier)

— : 3-phase 200 VAC
 — : 1-phase 200 VAC



■ : 3-phase 200 VAC
 — : 1-phase 200 VAC

		Before	After
HK-ST2024AW	Standard torque		
HK-ST3024W	Standard torque		
HK-ST2024W	Standard torque		
HK-ST3524W	Standard torque		

Torque characteristics of HK-RT_W series (when connected with a 200 V servo amplifier)

— : 3-phase 200 VAC
 — : 1-phase 200 VAC

