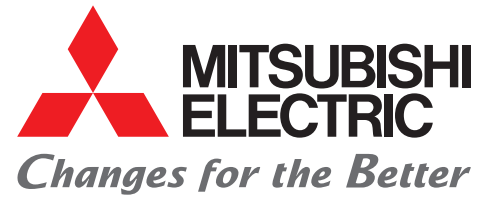




for a greener tomorrow



## Mitsubishi Electric AC Servo System Geared Servo Motors

MITSUBISHI ELECTRIC SERVO SYSTEM  
**MELSERVO-J5**

**HK-KT Series 0.05 kW to 0.75 kW**  
**HK-ST Series 0.5 kW to 7 kW**

June 2020

**New Product Release**  
SV2006-4E



## Geared servo motors are newly released

### ■ Geared servo motors

HK-KT series 200 V AC, Rated output: 0.05, 0.1, 0.2, 0.4, 0.75 kW G1/G5/G7

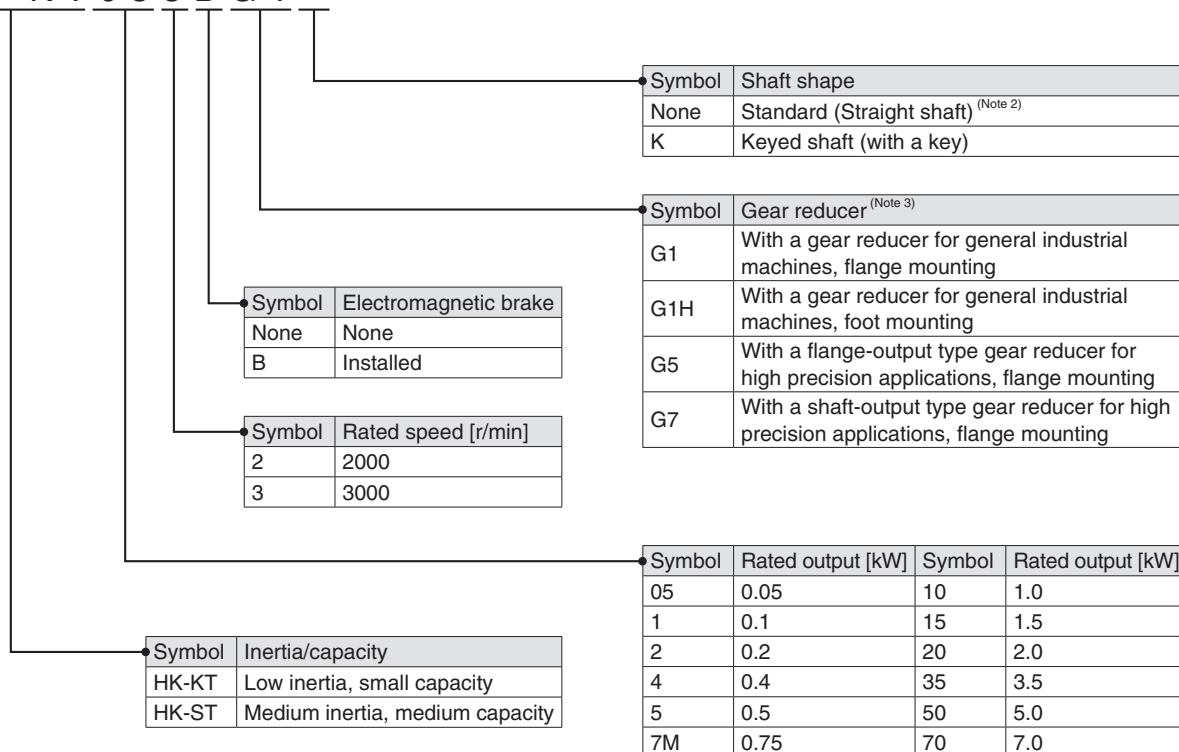
HK-ST series 200 V AC, Rated output: 0.5, 1.0, 1.5, 2.0, 3.5, 5, 7 kW G1/G1H/G5/G7

### ■ Supported servo amplifiers

MR-J5-G\_/MR-J5W2-G\_/MR-J5W3-G\_/MR-J5-A\_

## Model Designation <sup>(Note 1)</sup>

HK - KT 05 3 B G 1



- Notes:
1. This section describes what each symbol in a model name indicates. Some combinations of symbols are not available.
  2. The standard HK-ST G1/G1H servo motors have a keyed shaft (with a key).
  3. For details of the reduction ratio, refer to "Product List" on the next page.

# Product List

## HK-KT series

Gear reducer	Servo motor model	Reduction ratio
G1	HK-KT053G1	1/5 (9/44) <sup>(Note 1)</sup>
		1/12 (49/576) <sup>(Note 1)</sup>
		1/20 (25/484) <sup>(Note 1)</sup>
		1/5 (9/44) <sup>(Note 1)</sup>
		1/12 (49/576) <sup>(Note 1)</sup>
		1/20 (25/484) <sup>(Note 1)</sup>
	HK-KT13G1	1/5 (19/96) <sup>(Note 1)</sup>
		1/12 (961/11664) <sup>(Note 1)</sup>
		1/20 (513/9984) <sup>(Note 1)</sup>
		1/5 (19/96) <sup>(Note 1)</sup>
		1/12 (961/11664) <sup>(Note 1)</sup>
		1/20 (7/135) <sup>(Note 1)</sup>
	HK-KT23G1	1/5 (1/5) <sup>(Note 1)</sup>
		1/12 (7/87) <sup>(Note 1)</sup>
		1/20 (625/12544) <sup>(Note 1)</sup>
		1/5 (40 × 40) <sup>(Note 2)</sup>
		1/5 (60 × 60) <sup>(Note 2)</sup>
		1/9
G5	HK-KT053G5	1/11
		1/21
		1/33
		1/45
		1/5 (40 × 40) <sup>(Note 2)</sup>
		1/5 (60 × 60) <sup>(Note 2)</sup>
	HK-KT13G5	1/11
		1/21
		1/33
		1/45
		1/5
		1/11
HK-KT23G5	1/21	
	1/33	
	1/45	
	1/5	
	1/11	
	1/21	
HK-KT43G5	1/33	
	1/45	
	1/5	
	1/11	
	1/21	
	1/33	
HK-KT7M3G5	1/45	
	1/5 (40 × 40) <sup>(Note 2)</sup>	
	1/5 (60 × 60) <sup>(Note 2)</sup>	
	1/9	
	1/11	
	1/21	
G7	HK-KT053G7	1/11
		1/21
		1/33
		1/45
		1/5 (40 × 40) <sup>(Note 2)</sup>
		1/5 (60 × 60) <sup>(Note 2)</sup>
	HK-KT13G7	1/11
		1/21
		1/33
		1/45
		1/5
		1/11
	HK-KT23G7	1/21
		1/33
		1/45
		1/5
		1/11
		1/21
HK-KT43G7	1/33	
	1/45	
	1/5	
	1/11	
	1/21	
	1/33	
HK-KT7M3G7	1/45	
	1/5	
	1/11	
	1/21	
	1/33	
	1/45	

## HK-ST series

Gear reducer	Servo motor model	Reduction ratio
G1/G1H	HK-ST52G1 HK-ST52G1H	1/6
		1/11
		1/17
		1/29
		1/35
		1/43
		1/59
		1/6
		1/11
	HK-ST102G1 HK-ST102G1H	1/6
		1/11
		1/17
		1/29
		1/35
		1/43
		1/59
		1/6
		1/11
	HK-ST152G1 HK-ST152G1H	1/6
		1/11
		1/17
		1/29
		1/35
		1/43
		1/59
		1/6
		1/11
	HK-ST202G1 HK-ST202G1H	1/6
		1/11
		1/17
1/29		
1/35		
1/43		
1/59		
1/6		
1/11		
HK-ST352G1 HK-ST352G1H	1/6	
	1/11	
	1/17	
	1/29	
	1/35	
	1/43	
	1/59	
	1/6	
	1/11	
HK-ST502G1 HK-ST502G1H	1/6	
	1/11	
	1/17	
	1/29	
	1/35	
	1/43	
	1/59	
	1/6	
	1/11	
HK-ST702G1 HK-ST702G1H	1/6	
	1/11	
	1/17	
	1/29	
	1/35	
	1/43	
	1/59	
	1/6	
	1/11	

Gear reducer	Servo motor model	Reduction ratio
G5	HK-ST52G5	1/5
		1/11
		1/21
		1/33
		1/45
		1/5
	HK-ST102G5	1/5
		1/11
		1/21
		1/33
		1/45
		1/5
	HK-ST152G5	1/5
		1/11
		1/21
		1/33
		1/45
		1/5
HK-ST202G5	1/5	
	1/11	
	1/21	
	1/33	
	1/45	
	1/5	
HK-ST352G5	1/11	
	1/21	
	1/5	
	1/11	
	1/21	
	1/5	
G7	HK-ST52G7	1/5
		1/11
		1/21
		1/33
		1/45
		1/5
	HK-ST102G7	1/5
		1/11
		1/21
		1/33
		1/45
		1/5
	HK-ST152G7	1/5
		1/11
		1/21
		1/33
		1/45
		1/5
HK-ST202G7	1/5	
	1/11	
	1/21	
	1/33	
	1/45	
	1/5	
HK-ST352G7	1/11	
	1/21	
	1/5	
	1/11	
	1/21	
	1/5	

Notes: 1. The values in brackets represent the actual reduction ratios.  
 2. The values in brackets represent the dimensions of the flange.

# Mitsubishi Electric AC Servo System MELSERVO-J5

## Combinations of Geared Servo Motors and Servo Amplifiers <sup>(Note 1)</sup>

○: Standard torque

Geared servo motor	Servo amplifier															
	MR-J5- <u>  </u>										MR-J5W2- <u>  </u>			MR-J5W3- <u>  </u>		
	10G/A	20G/A	40G/A	60G/A	70G/A	100G/A	200G/A	350G/A	500G/A	700G/A	22G	44G	77G	1010G	222G	444G
HK-KT053G_	○	○	○	-	-	-	-	-	-	-	○	○	-	-	○	○
HK-KT13G_	○	○	○	-	-	-	-	-	-	-	○	○	-	-	○	○
HK-KT23G_	-	○	○	○	-	-	-	-	-	-	○	○	-	-	○	○
HK-KT43G_	-	-	○	○	○	-	-	-	-	-	-	○	○	○	-	○
HK-KT7M3G_	-	-	-	-	○	○	○	-	-	-	-	-	○	○	-	-
HK-ST52G_	-	-	-	○	○	○	-	-	-	-	-	-	○	○	-	-
HK-ST102G_	-	-	-	-	-	○	○	○	-	-	-	-	-	○	-	-
HK-ST152G_	-	-	-	-	-	-	○	○	-	-	-	-	-	-	-	-
HK-ST202G_	-	-	-	-	-	-	○	○	-	-	-	-	-	-	-	-
HK-ST352G_	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	-
HK-ST502G_	-	-	-	-	-	-	-	-	○	○	-	-	-	-	-	-
HK-ST702G_	-	-	-	-	-	-	-	-	-	○	-	-	-	-	-	-

Notes: 1. The torques of the geared servo motors do not increase even when these servo motors are combined with larger capacity servo amplifiers.

## Relevant information

MELSERVO-J5 catalog (L(NA)03179ENG) is scheduled to be revised in August.

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