

STEPPING MOTORS

SPG33-1000

FEATURES

- Compact stepping motor with gear head
- Provided with connector terminals for easy connection
- RoHS compliant

APPLICATIONS

- Game machines
- Others



PART NUMBER DESIGNATION

SPG 33 - 1101

Series name

Dash number

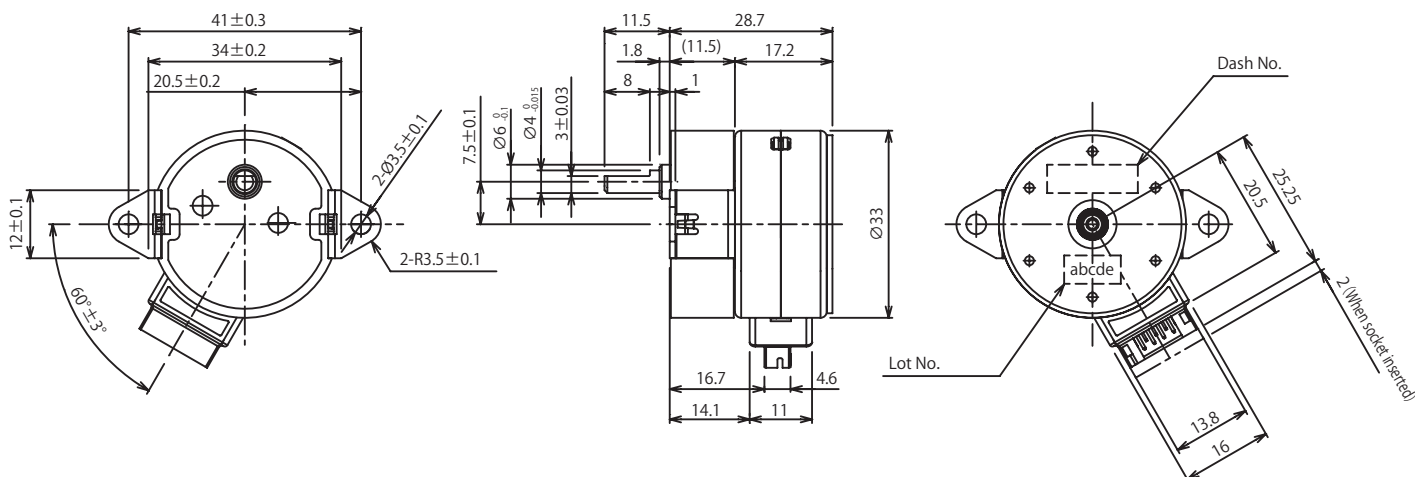
LIST OF PART NUMBERS

Gear ratio	Winding resistance	16 Ω	21 Ω	36 Ω
1/2.5	Unipolar	1000	1001	1002
1/5		1100	1101	1102
1/12		1200	1201	1202

※ When ordering, please specify the part number and dash number.

OUTLINE DIMENSIONS

Unless otherwise specified tolerance: ± 0.5 (Unit: mm)



Lot production is required. Please consult us for ordering.

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STANDARD SPECIFICATIONS

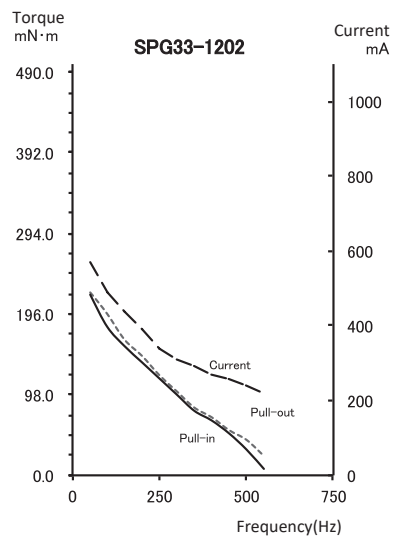
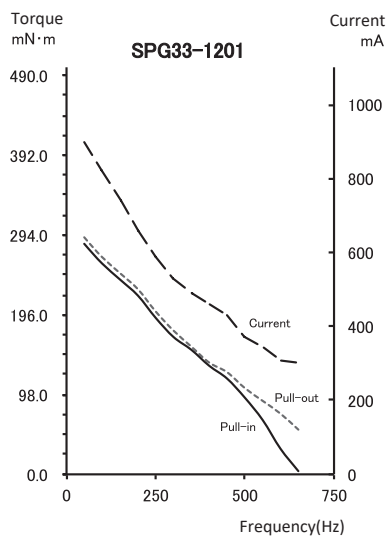
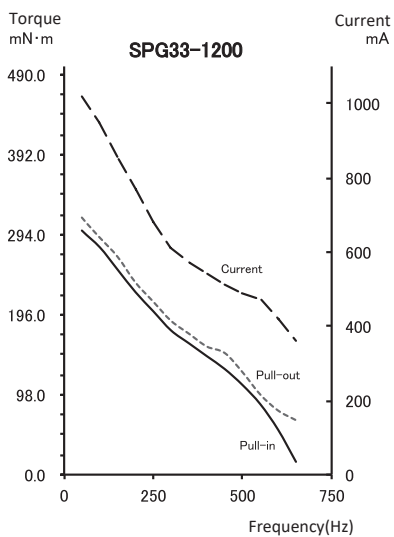
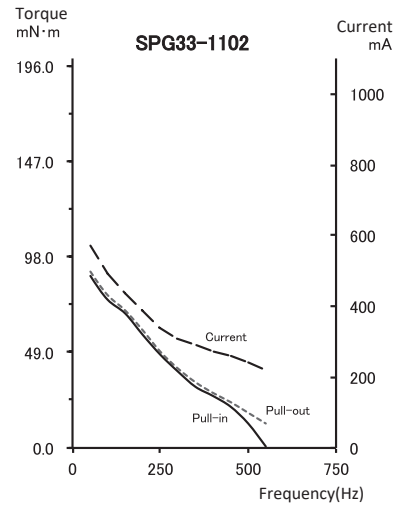
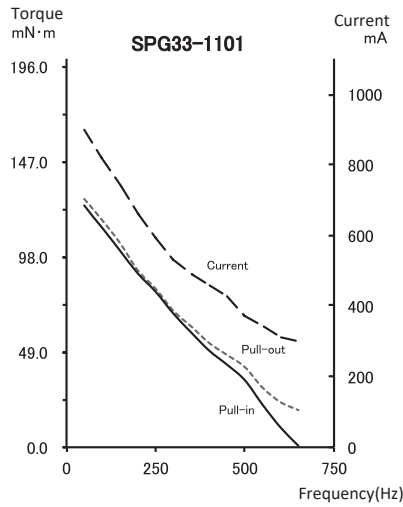
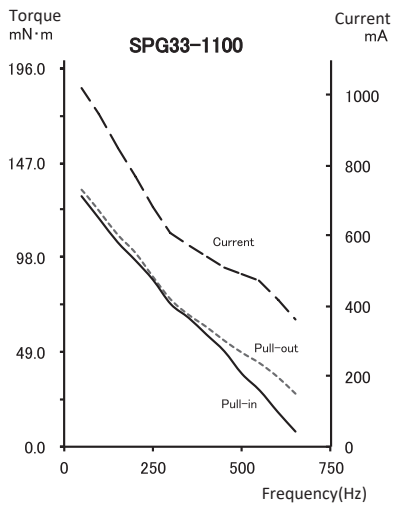
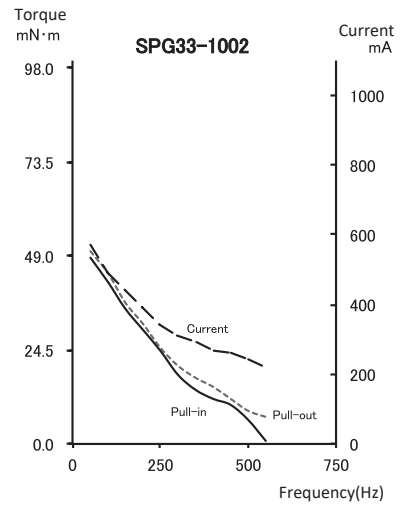
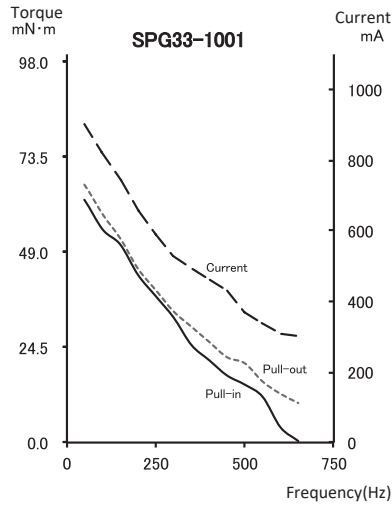
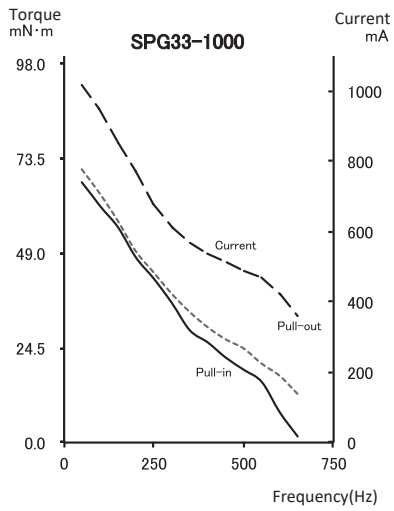
Item	SPG33-1000									
	1000	1100	1200	1001	1101	1201	1002	1102	1202	
Number of phases	4									
Number of poles	12									
Excitation	4 phases unipolar(Substitutable as two bipolars due to open common terminal pins.)									
Gear ratio	1/2.5	1/5	1/12	1/2.5	1/5	1/12	1/2.5	1/5	1/12	
Basic step angle	6°	3°	1.25°	6°	3°	1.25°	6°	3°	1.25°	
Steps	60	120	288	60	120	288	60	120	288	
Winding resistance	16 Ω			21 Ω			36 Ω			
Power	Average power consumption 2 W maximum									
Current	Refer to PERFORMANCE CURVES									
Pull-in torque										
Pull-out torque										
Pull-in pulse rate										
Temperature rise	Refer to TEMPERATURE CHARACTERISTICS									
CURVES Insulation resistance	30 MΩ min. (500 VDC)									
Dielectric strength	500 Vrms (AC 50 Hz, 1 min)									
Operating temperature range	0 ~ 50 °C									
Net weight	Approx. 80 g									
Axial maximum load	Continuous	9.8 mN-m			19.6 mN-m			39.2 mN-m		
	Momentary	19.6 mN-m			39.2 mN-m			98 mN-m		
Axial shape	D cut									
Standard connector terminal	Male connector 06CR-6H-P 06KR-6H-P or PHR-6 Made by J.S.T. Mfg. Co., Ltd									

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PERFORMANCE CURVES

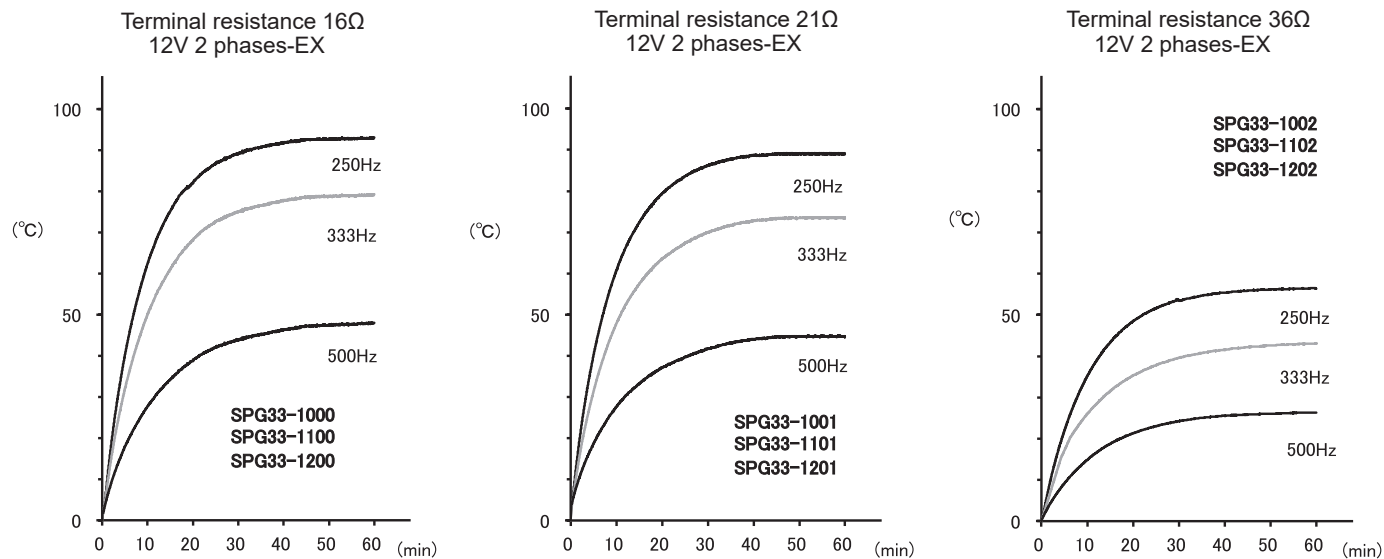
12V-2phases-EX.



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TEMPERATURE CHARACTERISTICS (REFERENCE VALUE)



※ These performance curves show actual value, not guaranteed value.