

Minebea

Hybrid Stepping Motor with Gearbox (GS series) 42 □

型式 Model	定格電流 Rated Current (A)	巻線抵抗 Resistance (Ohms)	ステップ角 Step Angle (deg)	減速比 Gear Ratio (1 : X)	許容トルク Permissible Torque (Nm (kgf · cm))	許容速度範囲 Permissible Speed Range (r/min)	バックラッシュ Backlash (min(deg))	質量 Mass (g)		
GS0036-17M001	0.85	4.2	0.5	1 : 3.6	0.2 (2.04)	0 ~ 500	2° 以下 2degree and under	310		
GS0072-17M001			0.25	1 : 7.2	0.4 (4.08)	0 ~ 250		310		
GS0090-17M001			0.2	1 : 9	0.5 (5.10)	0 ~ 200		310		
GS0100-17M001			0.18	1 : 10	0.56 (5.71)	0 ~ 180		310		
GS0180-17M001			0.1	1 : 18	0.8 (8.16)	0 ~ 100		320		
GS0360-17M001			0.05	1 : 36		0 ~ 50		320		
GS0500-17M001			0.036	1 : 50		0 ~ 36		330		
GS1000-17M001			0.018	1 : 100	0.018	1 : 100		0 ~ 18	0 ~ 18	330

*ドライブ方式：ユニポーラ

* Drive Sequence : Unipolar

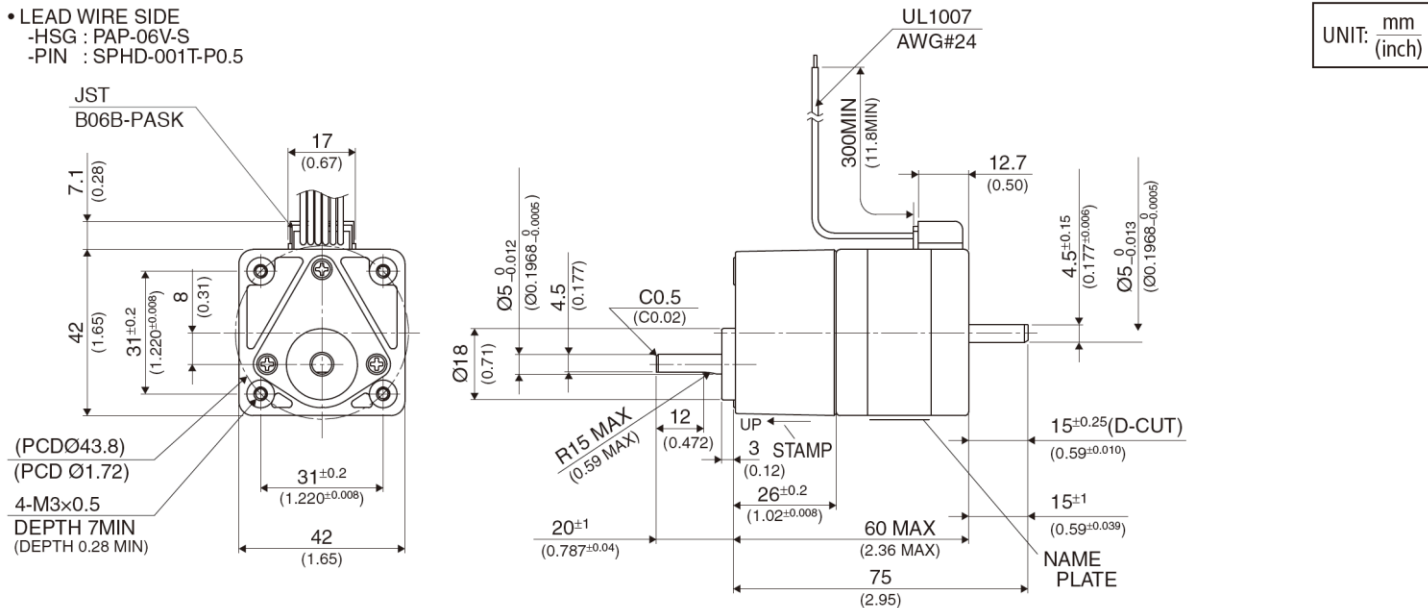
*リード線付属

* Leadwires will be supplied with the motor.

* モータ回転方向とギア出力軸の回転方向は減速比 1 : 3.6, 1 : 7.2, 1 : 9, 1 : 10, 1 : 50, 1 : 100 は同じに、減速比 1 : 18, 1 : 36 は逆になります。

* Direction of rotation of the motor and that of the gear output shaft are the same for the gear ratios 1:3.6, 1:7.2, 1:9, 1:10, 1:50, 1:100. It is the opposite for 1:18 and 1:36 gear ratio.

LEAD WIRE SIDE
-HSG : PAP-06V-S
-PIN : SPHD-001T-P0.5



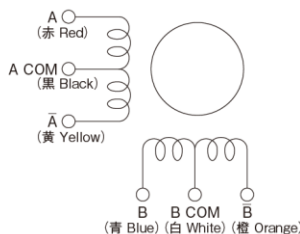
結線表 PIN NO. vs. PHASE

相 (PHASE)	A	A COM	Ā	B	B COM	B̄
ピン番号 (PIN NO.)	3	2	1	4	5	6

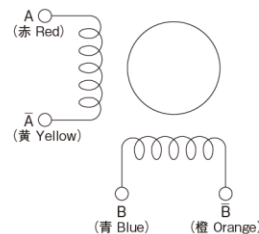
■ 一般仕様 General Specifications

温度上昇	Temperature Rise	80°C MAX
使用周囲温度	Ambient Temperature Range	-10°C ~ +50°C
絶縁抵抗	Insulation Resistance	100M Ω MIN. DC 500V
絶縁耐力	Dielectric Strength	AC 500V 1min
許容ラジアル荷重 (出力軸先端より10mmにて)	Permissible Radial Load (at 10mm from shaft end)	20N (2kgf)
許容スラスト荷重	Permissible Thrust Load	15N (1.5kgf)

■ ユニポーラ結線図 UNI POLAR Wiring Connection Diagram



■ バイポーラ結線図 BI POLAR Wiring Connection Diagram



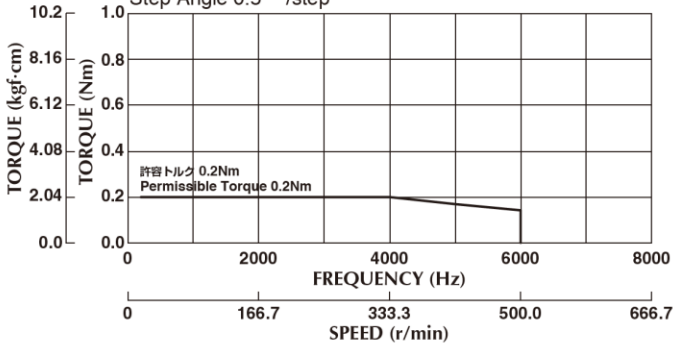
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(GS series) 42

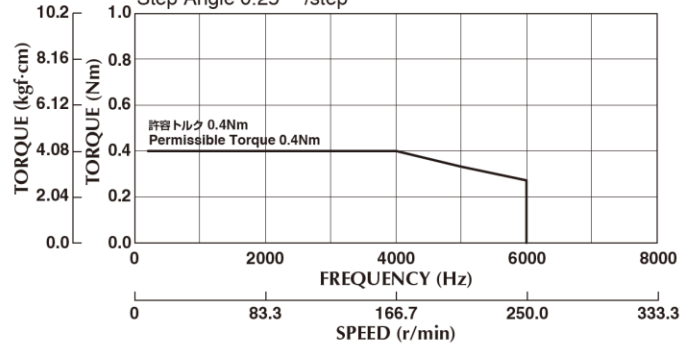
GS0036-17M001

Supply Voltage: 24.0V Current: 0.85A/Phase
Step Angle 0.5° /step



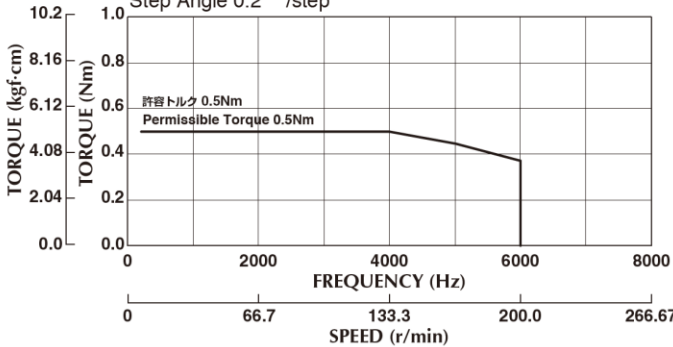
GS0072-17M001

Supply Voltage: 24.0V Current: 0.85A/Phase
Step Angle 0.25° /step



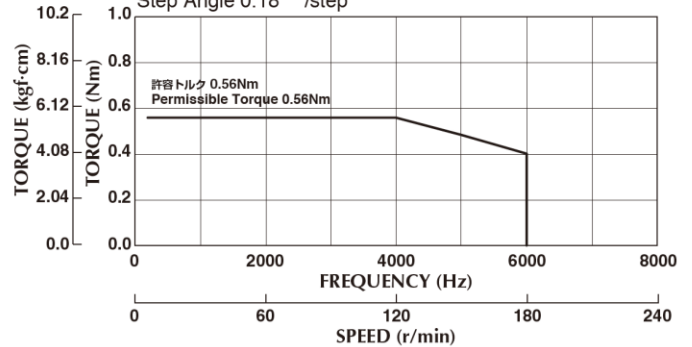
GS0090-17M001

Supply Voltage: 24.0V Current: 0.85A/Phase
Step Angle 0.2° /step



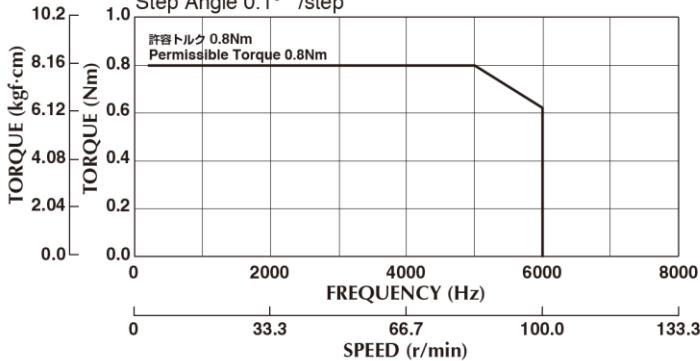
GS0100-17M001

Supply Voltage: 24.0V Current: 0.85A/Phase
Step Angle 0.18° /step



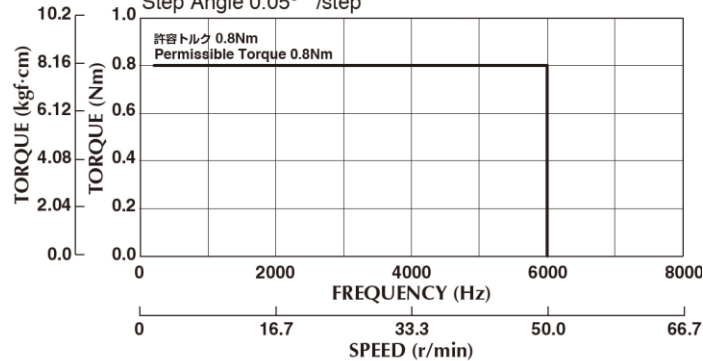
GS0180-17M001

Supply Voltage: 24.0V Current: 0.85A/Phase
Step Angle 0.1° /step



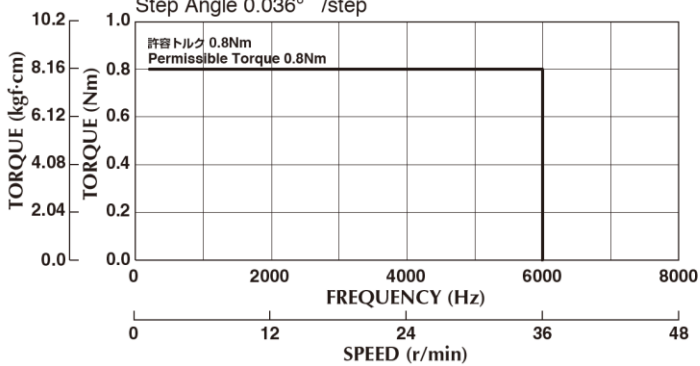
GS0360-17M001

Supply Voltage: 24.0V Current: 0.85A/Phase
Step Angle 0.05° /step



GS0500-17M001

Supply Voltage: 24.0V Current: 0.85A/Phase
Step Angle 0.036° /step



GS1000-17M001

Supply Voltage: 24.0V Current: 0.85A/Phase
Step Angle 0.018° /step

