

Hybrid Stepping Motor with Gearbox Low Backlash Type (GT series) 42 □



Lineup

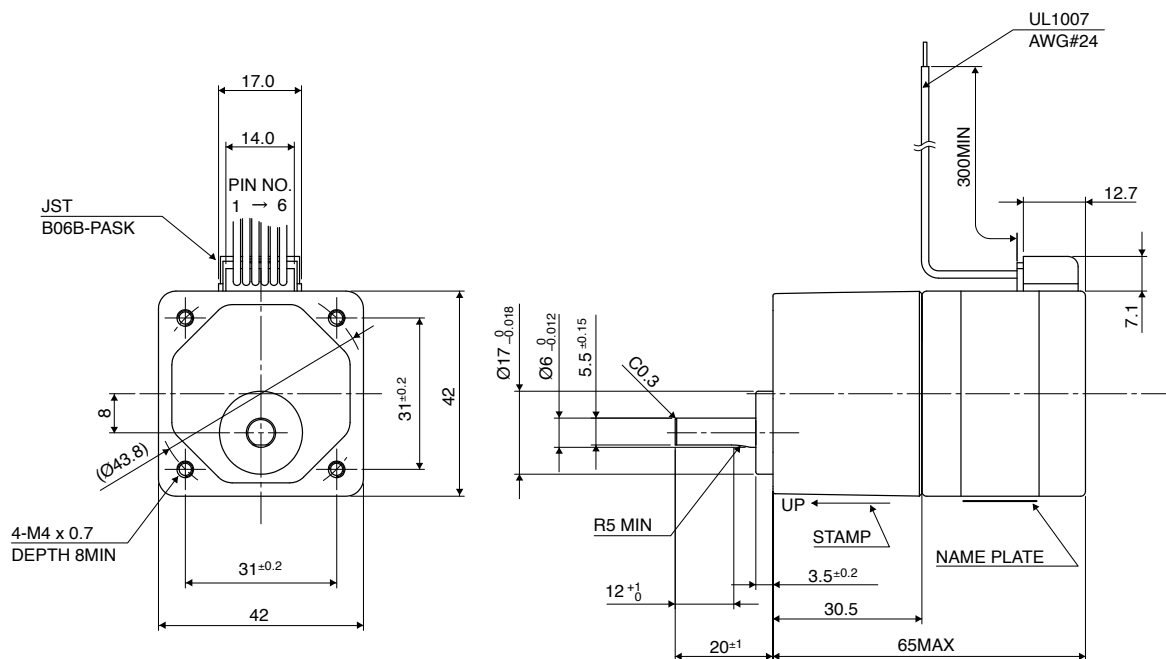
Model	Rated Current (A)	Resistance (Ohms)	(deg)	Gear Ratio (1 : X)	Permissible Torque (Nm (kgf · cm))	Permissible Speed Range (r/min)	Backlash (min(deg))	Mass (g)
GT0036-17M000	1.0	3.1	0.5	1 : 3.6	0.35 (3.6)	0 ~ 500	45 (0.75)	340
GT0072-17M000			0.25	1 : 7.2	0.7 (7.1)	0 ~ 250	25 (0.417)	340
GT0100-17M000			0.18	1 : 10	1 (10.2)	0 ~ 180	25 (0.417)	340
GT0200-17M000			0.09	1 : 20	1.5 (15.3)	0 ~ 90	25 (0.417)	340
GT0300-17M000			0.06	1 : 30	1.5 (15.3)	0 ~ 60	25 (0.417)	340

* Drive Sequence : Unipolar

* Leadwires will be supplied with the motor.

* 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 and 1:10. It is the opposite for 1:20 and 1:30 gear ratio.

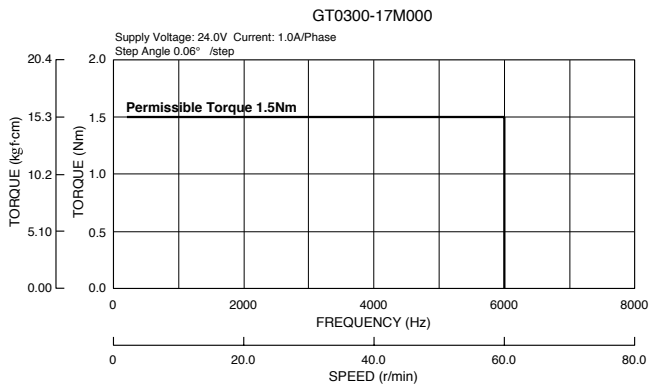
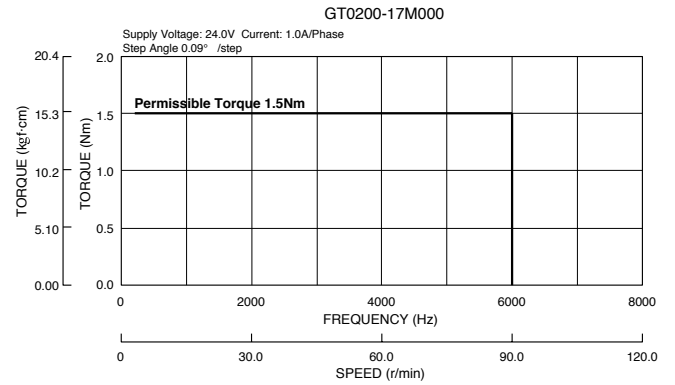
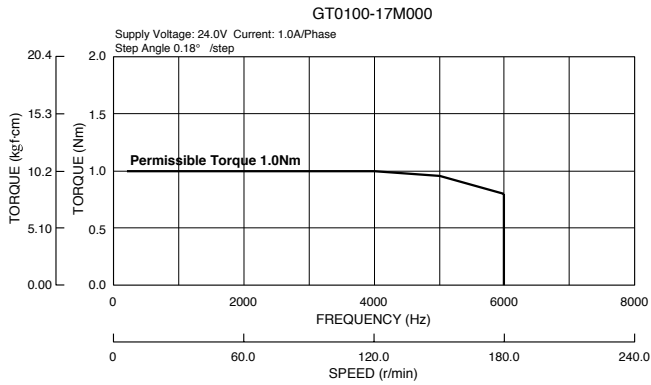
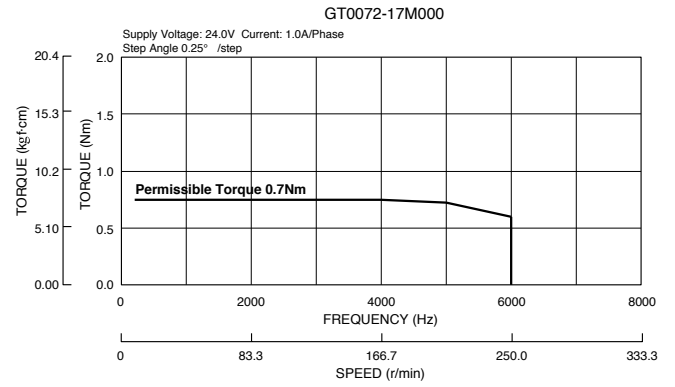
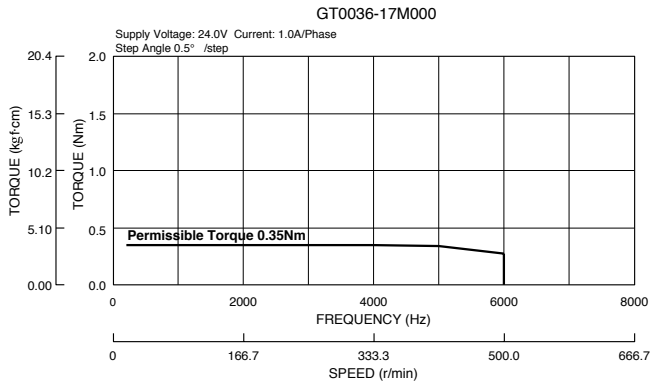
Outline



PIN NO. vs. PHASE

(PHASE)	A	A COM	\bar{A}	B	B COM	\bar{B}
(PIN NO.)	3	2	1	4	5	6

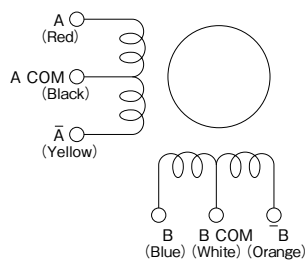
Torque Characteristics



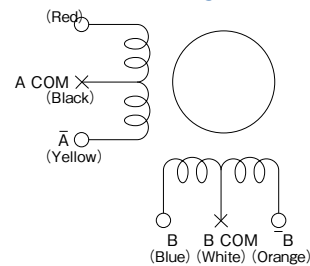
General Specifications

Temperature Rise	80°C MAX
Ambient Temperature Range	-10°C ~ +50°C
Insulation Resistance	100M Ω MIN. DC 500V
Dielectric Strength	AC 500V 1min
Permissible Radial Load (at 10mm from shaft end)	19.6N (2kgf)
Permissible Thrust Load	14.7N (1.5kgf)

UNI POLAR Wiring Connection Diagram



BI POLAR Wiring Connection Diagram A



* No need to connect A COM and B COM. Please insulate individually.
* Apply 70% of Unipolar rated current.