

TORQUE MOTOR

Specifications

● 3W、6W、10W、20W

Model • Type Lead Wire Type		Rating At Locked Rotor	Voltage V	Frequency Hz	Starting Torque mN.m	Max. Output Power W	Speed At Max. Output Power r/min	Torque At Max. Output Power mN.m	Capacitor μF
Pinion Shaft	Round Shaft								
2TK3GN-A	2TK3A-A	5min Cont	110	50	69	3.2	750	41	7.0/250
			60		25	1.3		16	
		5min Cont	110	60	69	3.2	900	37	6.0/250
			60		25	1.3		11	
2TK3GN-C	2TK3A-C	5min Cont	220	50	69	3.2	750	41	1.5/450
			140		25	1.2		16	
		5min Cont	220	60	69	3.2	900	37	1.2/450
			140		25	1.2		11	
3TK6GN-A	3TK6A-A	5min Cont	110	50	134	6.0	750	80	8.0/250
			60		68	2.5		36	
		5min Cont	110	60	134	6.5	900	74	7.0/250
			60		68	2.8		30	
3TK6GN-C	3TK6A-C	5min Cont	220	50	134	6.0	750	80	2.0/450
			140		68	2.5		36	
		5min Cont	220	60	134	6.5	900	74	1.5/450
			140		68	2.8		30	
4TK10GN-A	4TK10A-A	5min Cont	110	50	235	10	750	127	10.0/250
			60		74	3.0		46	
		5min Cont	110	60	25	10	900	127	8.0/250
			60		69	3.0		38	
4TK10GN-C	4TK10A-C	5min Cont	220	50	265	10	750	127	2.5/450
			140		98	3.0		46	
		5min Cont	220	60	225	10	900	127	2.0/450
			140		90	3.0		38	
5TK20GN-A	5TK20A-A	5min Cont	110	50	363	20	750	224	15.0/250
			60		137	6.0		76	
		5min Cont	110	60	294	26	900	216	12.0/250
			60		108	6.0		64	
5TK20GN-C	5TK20A-C	5min Cont	220	50	363	20	750	224	3.5/450
			140		137	6.0		76	
		5min Cont	220	60	294	26	900	216	3.0/450
			140		108	6.0		64	

Type

● Motor

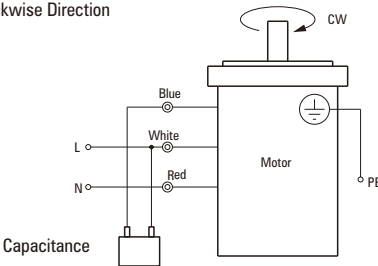
Type	Model	
	Pinion Shaft	Round Shaft
3W	2TK3GN-A	2TK3A-A
	2TK3GN-C	2TK3A-C
6W	3TK6GN-A	3TK6A-A
	3TK6GN-C	3TK6A-C
10W	4TK10GN-A	4TK10A-A
	4TK10GN-C	4TK10A-C
20W	5TK20GN-A	5TK20A-A
	5TK20GN-C	5TK20A-C

Applicable Motor Output Power (Pinion Shaft Type)	Gearhead Model	Gear Ratio
3W	2GN□K	3、3.6、5、6、7.5、9、10、12.5、15、18、20、25、30、36、40、50、60、75、90、100、120、150、180、200
	2GN10XK (Decimal gearhead)	
6W	3GN□K	3、3.6、5、6、7.5、9、10、12.5、15、18、20、25、30、36、40、50、60、75、90、100、120、150、180、200
	3GN10XK (Decimal gearhead)	
10W	4GN□K	3、3.6、5、6、7.5、9、10、12.5、15、18、20、25、30、36、40、50、60、75、90、100、120、150、180、200
	4GN10XK (Decimal gearhead)	
20W	5GN□K	3、3.6、5、6、7.5、9、10、12.5、15、18、20、25、30、36、40、50、60、75、90、100、120、150、180、200
	5GN10XK (Decimal gearhead)	

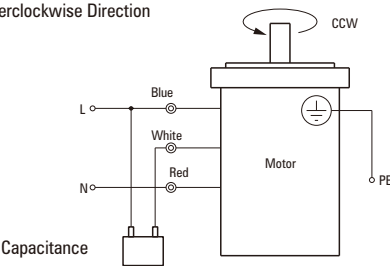
Wiring Diagram

2TK3GN-A、2TK3GN-C、3TK6GN-A、3TK6GN-C
4TK10GN-A、4TK10GN-C、5TK20GN-A、5TK20GN-C

Clockwise Direction



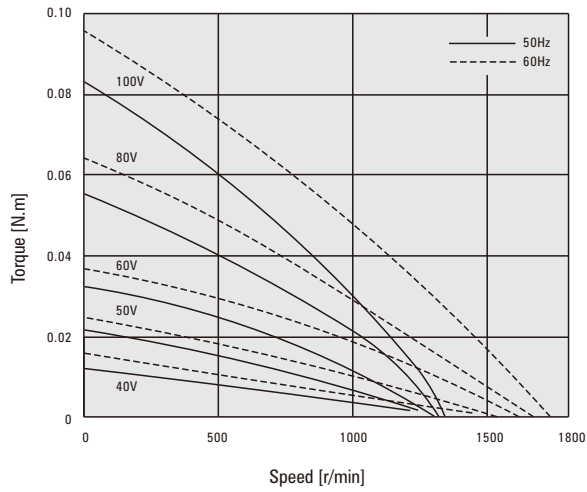
Counterclockwise Direction



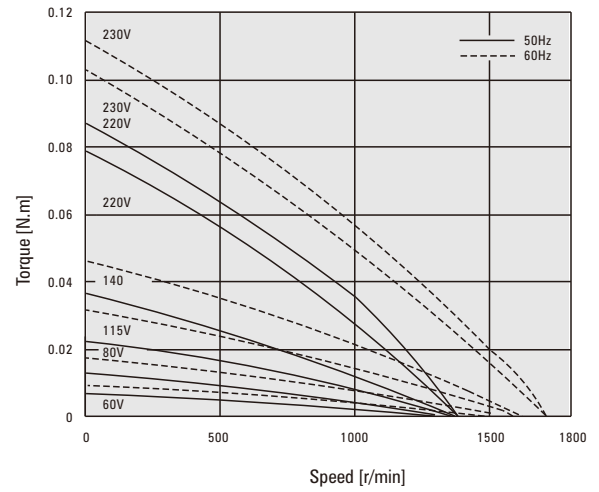
2TK 3W

Speed - Torque Characteristics (Reference Values)

2TK3GN-A、2TK3A-A



2TK3GN-C、2TK3A-C



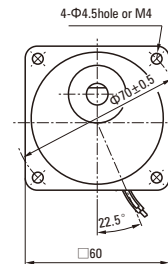
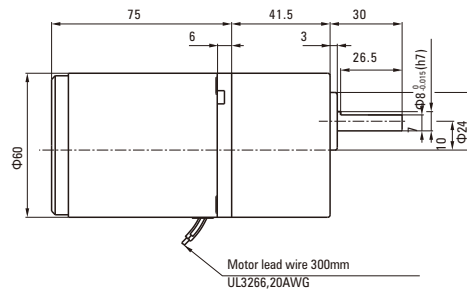
Dimensions (Unit mm)

3W

Motor/Gearhead

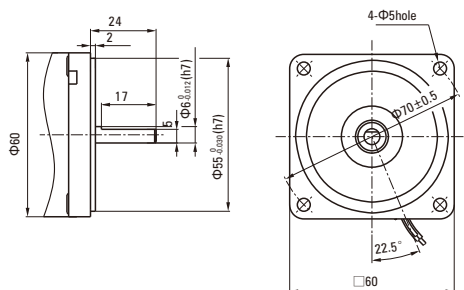
Weight : Motor : 0.75kg

Gearhead : 0.4kg



Shaft Section Of Round Shaft Type

2TK3A-A 2TK3A-C

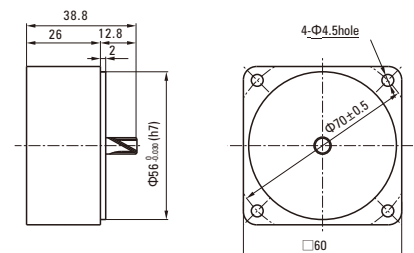


Middle Gearhead

Can be connected to 2TK3GN type

2GN10XK

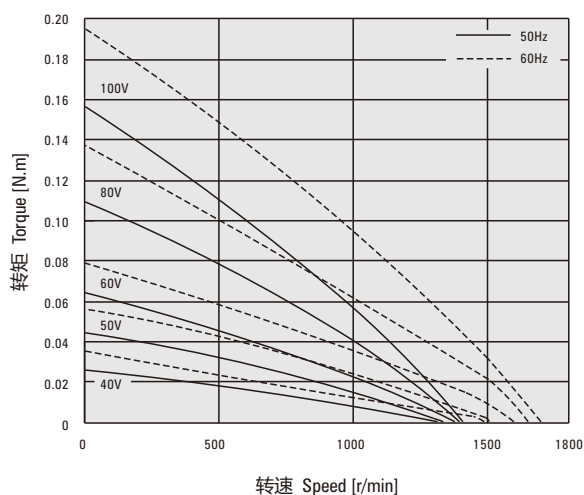
Weight : 0.24kg



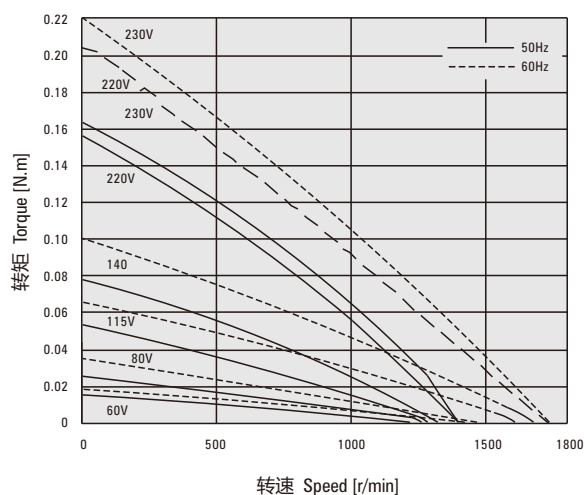
3TK 6W

Speed - Torque Characteristics (Reference Values)

3TK6GN-A、3TK6A-A



3TK6GN-C、3TK6A-C



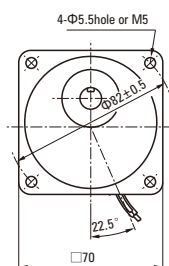
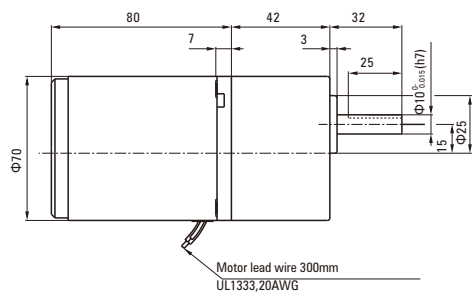
Dimensions (Unit mm)

6W

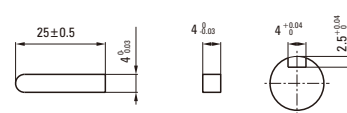
Motor/Gearhead

Weight : Motor : 1.1kg

Gearhead : 0.5kg

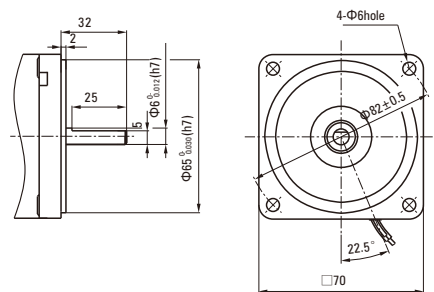


Key - keyway (Accessory of Gearhead)



Shaft Section Of Round Shaft Type

3TK6A-A 3TK6A-C

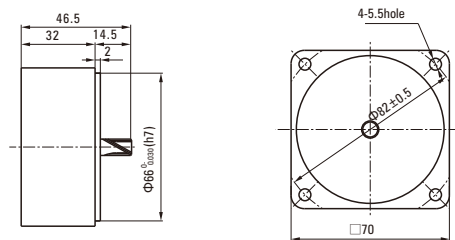


Middle Gearhead

Can be connected to 3TK6GN type

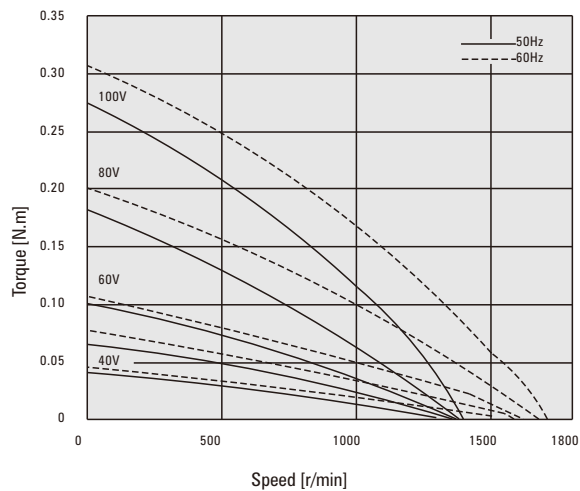
3GN10XK

Weight : 0.31kg

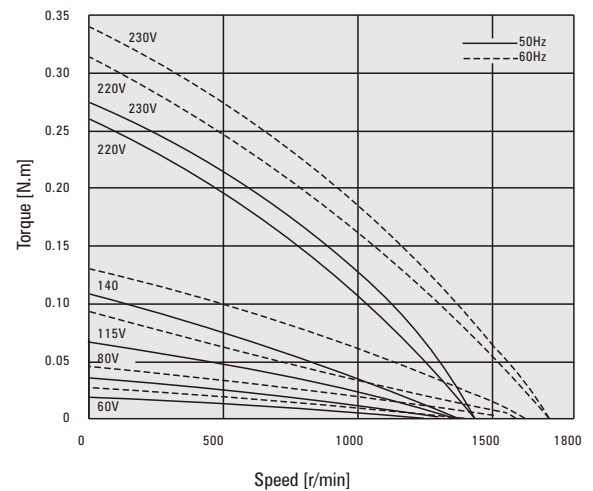


4TK 10W

● 4TK10GN-A、4TK10A-A



● 4TK10GN-C、4TK10A-C

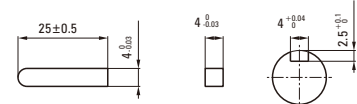
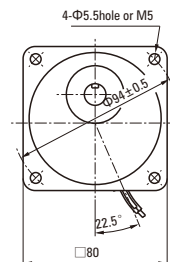
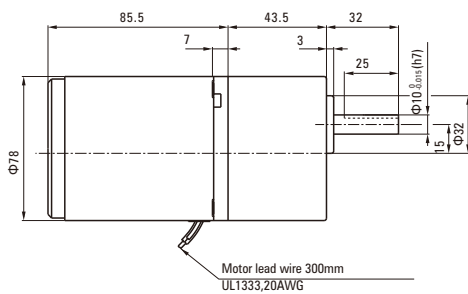


■ Dimensions (Unit mm)

● 10W

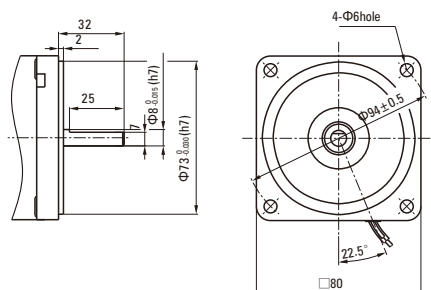
● Motor/Gearhead

Weight : Motor : 1.6kg Gearhead : 0.8kg



● Shaft Section Of Round Shaft Type

4TK10A-A 4TK10A-C

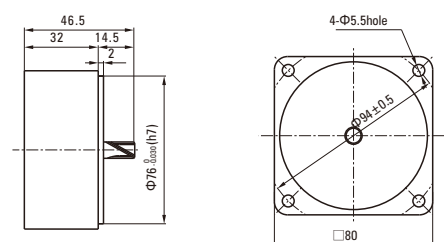


● Middle Gearhead

Can be connected to 4TK10GN type

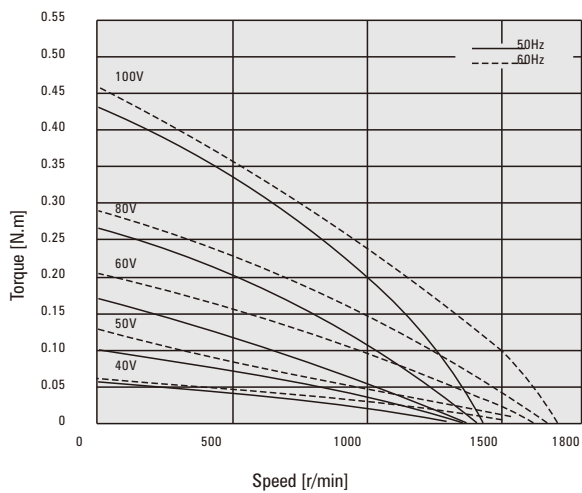
4GN10XK

Weight : 0.41kg

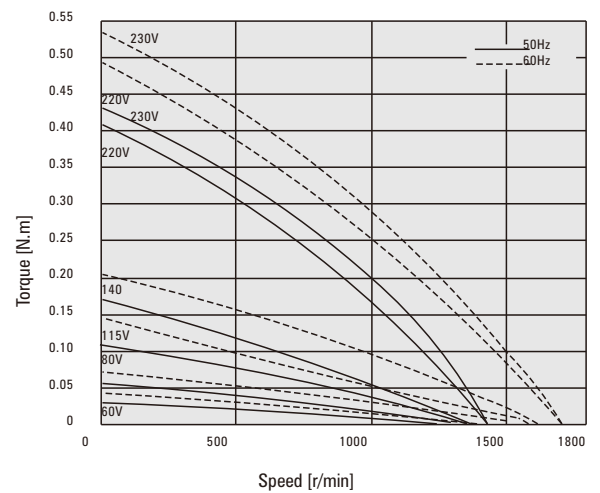


5TK 20W

5TK20GN-A、5TK20A-A



5TK20GN-C、5TK20A-C

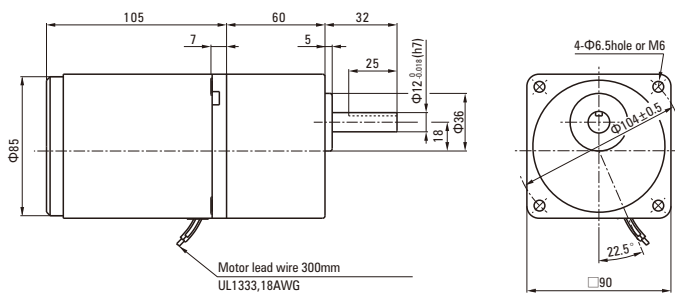


Dimensions (Unit mm)

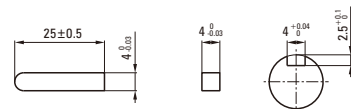
20W

Motor/Gearhead

Weight : Motor : 2.4kg Gearhead : 1.35kg

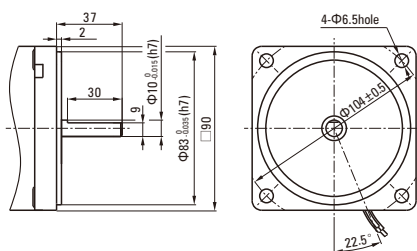


Key - Keyway (Accessory Of Gearhead)



Shaft Section Of Round Shaft Type

5TK20A-A 5TK20A-C



Middle Gearhead

Can be connected to 5TK20GN type

5GN10XK

Weight : 0.6kg

