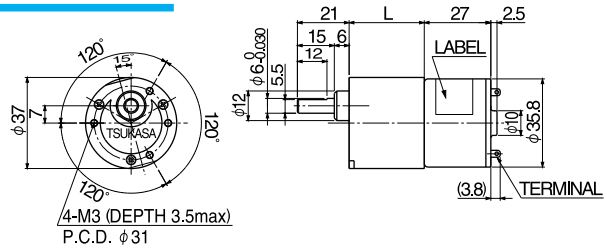
TG-05

(1.7~3.6W) Ø 36, LONG LIFE , LOW NOISE , COMPACT SIZE , ENCODER CAN BE MOUNTED.

APPLICATION: BANKING MACHINE , VENDING MACHINE , MEDICAL EQUIPMENT , DAMPER , PRINTER. etc.

SG/SM

TG-05J
TG-05K
TG-05L/P



SG

GEAR RATIO	L (mm)	STAGE	TORQUE (kg-cm)	WEIGHT (g)
1/5~1/10	20.5	2	1	100
1/12.5~1/30	23	3	2	105
1/36~1/100	25.5	4	3	110
1/120~1/300	28	5	6	115
1/360~1/1000	30.5	6	6	120
1/1500~1/3000	33	7	6	125

SM

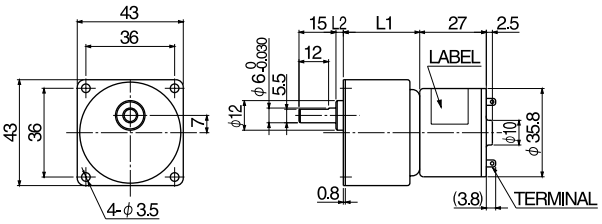
GEAR RATIO	L (mm)	STAGE	TORQUE (kg-cm)	WEIGHT (g)
1/5~1/10	23	2	1	100
1/12.5~1/30	25.5	3	2	105
1/36~1/100	28	4	3	110
1/120~1/300	30.5	5	6	115
1/360~1/1000	33	6	6	120

Allowable torque-speed characteristics

MODEL	GEAR RATIO	1/5	1/10	1/15	1/18	1/25	1/30	1/36	1/50	1/60	1/75	1/100	1/120	1/150	1/200	1/250	1/300	1/500	1/750	1/1000	1/1500
TG-05J-SG (24V)	SPEED(r/min)	883	417	279	231	162	136	113	81.3	67.6	54.7	41.5	33.9	27.5	20.4	16.4	14.1	8.9	6.1	4.7	3.2
	TORQUE(mN-m)	9.8	29.4	39.2	49	78.4	88.2	98	137.2	166.6	196	245	294	343	490	588	588	588	588	588	588
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.8	0.9	1	1.4	1.7	2	2.5	3	3.5	5	6	6	6	6	6	6
TG-05K-SG (24V)	SPEED(r/min)	1271	605	404	335	235	198	164	118	98.3	79.5	60.2	49.3	39.9	29.6	23.9	20.4	12.8	8.8	6.7	4.5
	TORQUE(mN-m)	9.8	29.4	39.2	49	78.4	88.2	98	137.2	166.6	196	245	294	343	490	588	588	588	588	588	588
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.8	0.9	1	1.4	1.7	2	2.5	3	3.5	5	6	6	6	6	6	6
TG-05L-SG (24V)	SPEED(r/min)	1643	821	554	462	329	277	230	165	137	113	83.2	68.4	55.6	41.5	33.8	28.8	17.9	12.2	9.3	6.2
	TORQUE(mN-m)	19.6	39.2	49	58.8	88.2	98	107.8	156.8	186.2	196	294	343	392	539	588	588	588	588	588	588
	TORQUE(kg-cm)	0.2	0.4	0.5	0.6	0.9	1	1.1	1.6	1.9	2	3	3.5	4	5.5	6	6	6	6	6	6
TG-05L-SG (12V)	SPEED(r/min)	822	411	269	231	161	134	110	80.6	66.9	53.4	39.9	33.4	26.7	19.9	16.2	13.4	8.3	5.8	4.5	3
	TORQUE(mN-m)	9.8	19.6	29.4	29.4	49	58.8	68.6	88.2	107.8	137.2	186.2	196	245	343	392	490	588	588	588	588
	TORQUE(kg-cm)	0.1	0.2	0.3	0.3	0.5	0.6	0.7	0.9	1.1	1.4	1.9	2	2.5	3.5	4	5	6	6	6	6
TG-05R-SG (12V)	SPEED(r/min)	1185	565	377	313	225	189	156	112	93.8	74.9	56.3	47.4	37.3	28.1	22.6	19.1	11.9	8.2	6.2	4.2
	TORQUE(mN-m)	9.8	29.4	39.2	49	68.6	78.4	88.2	127.4	147	186.2	245	245	343	441	539	588	588	588	588	588
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.3	1.5	1.9	2.5	2.5	3.5	4.5	5.5	6	6	6	6	6
TG-05J-SM (24V)	SPEED(r/min)	883	417	279	231	162	136	113	81.3	67.6	54.7	41.5	33.9	27.5	20.4	16.4	14.1	8.9	6.1	4.7	—
	TORQUE(mN-m)	9.8	29.4	39.2	49	78.4	88.2	98	137.2	166.6	196	245	294	343	490	588	588	588	588	588	—
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.8	0.9	1	1.4	1.7	2	2.5	3	3.5	5	6	6	6	6	6	—
TG-05K-SM (24V)	SPEED(r/min)	1271	605	404	335	235	198	164	118	98.3	79.5	60.2	49.3	39.9	29.6	23.9	20.4	12.8	8.8	6.7	—
	TORQUE(mN-m)	9.8	29.4	39.2	49	78.4	88.2	98	137.2	166.6	196	245	294	343	490	588	588	588	588	588	—
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.8	0.9	1	1.4	1.7	2	2.5	3	3.5	5	6	6	6	6	6	—
TG-05L-SM (24V)	SPEED(r/min)	1643	821	554	462	329	277	230	165	138	113	83.2	68.4	55.6	41.5	33.8	28.8	17.9	12.2	9.3	—
	TORQUE(mN-m)	19.6	39.2	49	58.8	88.2	98	107.8	156.8	186.2	196	294	343	392	539	588	588	588	588	588	—
	TORQUE(kg-cm)	0.2	0.4	0.5	0.6	0.9	1	1.1	1.6	1.9	2	3	3.5	4	5.5	6	6	6	6	6	—
TG-05L-SM (12V)	SPEED(r/min)	822	411	269	231	161	134	110	80.6	66.9	53.4	39.9	33.4	26.7	19.9	16.2	13.4	8.3	5.8	4.5	—
	TORQUE(mN-m)	9.8	19.6	29.4	29.4	49	58.8	68.6	88.2	107.8	137.2	186.2	196	245	343	392	490	588	588	588	—
	TORQUE(kg-cm)	0.1	0.2	0.3	0.3	0.5	0.6	0.7	0.9	1.1	1.4	1.9	2	2.5	3.5	4	5	6	6	6	—
TG-05R-SM (12V)	SPEED(r/min)	1185	565	377	313	225	189	156	112	93.8	74.9	56.3	47.4	37.3	28.1	22.6	19.1	11.9	8.2	6.2	—
	TORQUE(mN-m)	9.8	29.4	39.2	49	68.6	78.4	88.2	127.4	147	186.2	245	245	343	441	539	588	588	588	588	—
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.3	1.5	1.9	2.5	2.5	3.5	4.5	5.5	6	6	6	6	—

AG/AM

TG-05J
TG-05K
TG-05L/P



AG

GEAR RATIO	L1 (mm)	L2 (mm)	STAGE	TORQUE (kg-cm)	WEIGHT (g)
1/5~1/10	26	0.5	2	1	90
1/12.5~1/30	26	3	3	2	95
1/36~1/100	26	5.5	4	3	100
1/120~1/300	31	3	5	6	105
1/360~1/1000	31	5.5	6	6	110
1/1500~1/3000	31	8	7	6	115

AM

GEAR RATIO	L1 (mm)	L2 (mm)	STAGE	TORQUE (kg-cm)	WEIGHT (g)
1/5~1/10	26	4	2	1	110
1/12.5~1/18	26	6.5	3	3.5	115
1/25~1/36	26	6.5	3	4	115
1/50~1/75	31	4	4	5	115
1/90~1/150	31	4	4	7	115
1/180~1/500	31	6.5	5	7	120

Allowable torque-speed characteristics

MODEL	GEAR RATIO	1/5	1/10	1/15	1/18	1/25	1/30	1/36	1/50	1/60	1/75	1/100	1/120	1/150	1/200	1/250	1/300	1/500	1/750	1/1000	1/1500
TG-05J-AG (24V)	SPEED(r/min)	883	417	279	231	162	136	113	81.3	67.6	54.7	41.5	33.9	27.5	20.4	16.4	14.1	8.9	6.1	4.7	3.2
	TORQUE(mN-m)	9.8	29.4	39.2	49	78.4	88.2	98	137.2	166.6	196	245	294	343	490	588	588	588	588	588	588
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.8	0.9	1	1.4	1.7	2	2.5	3	3.5	5	6	6	6	6	6	6
TG-05K-AG (24V)	SPEED(r/min)	1271	605	404	335	235	198	164	118	98.3	79.5	60.2	49.3	39.9	29.6	23.9	20.4	12.8	8.8	6.7	4.5
	TORQUE(mN-m)	9.8	29.4	39.2	49	78.4	88.2	98	137.2	166.6	196	245	294	343	490	588	588	588	588	588	588
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.8	0.9	1	1.4	1.7	2	2.5	3	3.5	5	6	6	6	6	6	6
TG-05L-AG (24V)	SPEED(r/min)	1643	821	554	462	329	277	230	165	137	113	83.2	68.4	55.6	41.5	33.8	28.8	17.9	12.2	9.3	6.2
	TORQUE(mN-m)	19.6	39.2	49	58.8	88.2	98	107.8	156.8	186.2	196	294	343	392	539	588	588	588	588	588	588
	TORQUE(kg-cm)	0.2	0.4	0.5	0.6	0.9	1	1.1	1.6	1.9	2	3	3.5	4	5.5	6	6	6	6	6	6
TG-05L-AG (12V)	SPEED(r/min)	822	411	269	231	161	134	110	80.6	66.9	53.4	39.9	33.4	26.7	19.9	16.2	13.4	8.3	5.8	4.5	3
	TORQUE(mN-m)	9.8	19.6	29.4	29.4	49	58.8	68.6	88.2	107.8	137.2	186.2	196	245	343	392	490	588	588	588	588
	TORQUE(kg-cm)	0.1	0.2	0.3	0.3	0.5	0.6	0.7	0.9	1.1	1.4	1.9	2	2.5	3.5	4	5	6	6	6	6
TG-05R-AG (12V)	SPEED(r/min)	1185	565	377	313	225	189	156	112	93.8	74.9	56.3	47.4	37.3	28.1	22.6	19.1	11.9	8.2	6.2	4.2
	TORQUE(mN-m)	9.8	29.4	39.2	49	68.6	78.4	88.2	127.4	147	186.2	245	245	343	441	539	588	588	588	588	588
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.3	1.5	1.9	2.5	2.5	3.5	4.5	5.5	6	6	6	6	6
TG-05J-AM (24V)	SPEED(r/min)	883	417	279	231	162	136	113	81.3	67.6	54.7	41.5	33.6	27.4	20.4	16.2	13.8	8.9	—	—	—
	TORQUE(mN-m)	9.8	29.4	39.2	49	78.4	88.2	107.8	137.2	166.6	196	245	343	392	490	637	686	686	—	—	—
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.8	0.9	1.1	1.4	1.7	2	2.5	3.5	4	5	6.5	7	7	—	—	—
TG-05K-AM (24V)	SPEED(r/min)	1271	605	404	335	235	198	165	118	98.3	79.5	60.2	48.9	39.7	29.6	23.5	20	12.8	—	—	—
	TORQUE(mN-m)	9.8	29.4	39.2	49	78.4	88.2	107.8	137.2	166.6	196	245	343	392	490	637	686	686	—	—	—
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.8	0.9	1.1	1.4	1.7	2	2.5	3.5	4	5	6.5	7	7	—	—	—
TG-05L-AM (24V)	SPEED(r/min)	1643	821	554	462	329	277	228	165	137	113	83.2	69.6	55.4	41.5	33.1	28.3	17.9	—	—	—
	TORQUE(mN-m)	19.6	39.2	49	58.8	88.2	98	127.4	156.8	186.2	196	294	343	441	539	686	686	686	—	—	—
	TORQUE(kg-cm)	0.2	0.4	0.5	0.6	0.9	1	1.3	1.6	1.9	2	3	3.5	4.5	5.5	7	7	7	—	—	—
TG-05L-AM (12V)	SPEED(r/min)	822	411	269	231	161	134	113	80.6	66.9	53.4	39.9	34.1	27.3	19.9	16.2	13.4	8.3	—	—	—
	TORQUE(mN-m)	9.8	19.6	29.4	29.4	49	58.8	68.6	88.2	107.8	137.2	186.2	196	245	343	392	490	686	—	—	—
	TORQUE(kg-cm)	0.1	0.2	0.3	0.3	0.5	0.6	0.7	0.9	1.1	1.4	1.9	2	2.5	3.5	4	5	7	—	—	—
TG-05R-AM (12V)	SPEED(r/min)	1185	565	377	313	225	189	156	112	93.8	74.9	56.3	46.9	37.9	28.1	22.6	18.7	11.9	—	—	—
	TORQUE(mN-m)	9.8	29.4	39.2	49	68.6	78.4	98	127.4	147	186.2	245	294	343	441	539	686	686	—	—	—
	TORQUE(kg-cm)	0.1	0.3	0.4	0.5	0.7	0.8	1	1.3	1.5	1.9	2.5	3	3.5	4.5	5.5	7	7	—	—	—