

DC Gear Motor

宁波力圣电机有限公司

NINGBO LEISON MOTOR CO.,LIMITED

Company Profile

Ningbo Leison Motor Co.,Limited, is a professional manufacturer engaged in the research, development, production, sale of micro motor. Our main products include dc motor, gear motor, brushless motor, stepping motor, ac motor, etc. Our motors are mainly used in the industries of electronic door lock, robot, intelligent household appliance, medical equipment, industrial automation equipment, 3D printers, electric curtain, electric tools, etc.

The company is in compliance with ISO 9001 management requirements, and all our products have obtained CE certification and EU environmental protection ROSH certification requirements. In addition to the domestic market, our company has been exported to over 89 countries and regions including the United States, Germany, Japan and Australia by 2018.

Our company has strong research and development capabilities. In addition to the existing more than 300 conventional products, the company develops more than 10 new products every year to meet the different needs of customers.

We will continue to make efforts to innovate and improve our hardware facilities and customer service. We are committed to become the most reliable motor supplier and integrated solution service provider around you, Ningbo Leison Motor sincerely look forward to cooperate with you!

Product Ranges

DC Brush motor : 6mm-130mm diameter, 0.1W-500W output power
DC Spur Gear Motor : 12mm-104mm diameter, 0.1W-300W output power
DC Planetary Gear Motor : 10mm-120mm diameter, 0.1W-250W output power
Dc Brushless Motor : 24mm-110mm, 1W-1500W output power
Stepper Motor : 20mm - 130mm diameter
AC Gear Motor : 42mm - 104mm diameter, 3W-400W output power
Other Motor : Developing...

Certificates

DC MOTOR STEPPER MOTOR BRUSHLESS MOTOR LEISON MOTOR TRADEMAKE SGS CERTIFICATE



MANUFACTURING PLANT



Manufacture Building



CNC center



Thermal Treatment Machine



Dynamic Balance Process



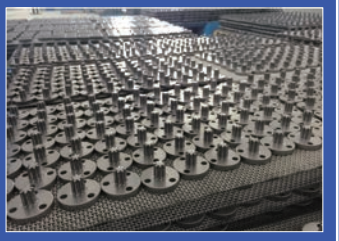
Production Line



Wire Winding



Shaft Material in Hardware Workshop



Gear Material in Hardware Workshop



Precision Test



Gear Microscope



Motors Waiting for Inspection



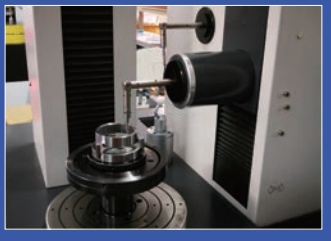
In Process Inspection



Production Inspection



Moter Comprehensive Test Instrument



Gear Measuring Instrument



Resistance Tester



Lifetime Testing Instrumen



Noise Testing Room



Raw Material Warehouse



Sales Team Office

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DC Planetary Gear Motor

LS-PG16M050



Electrical Specification

Gearbox Data

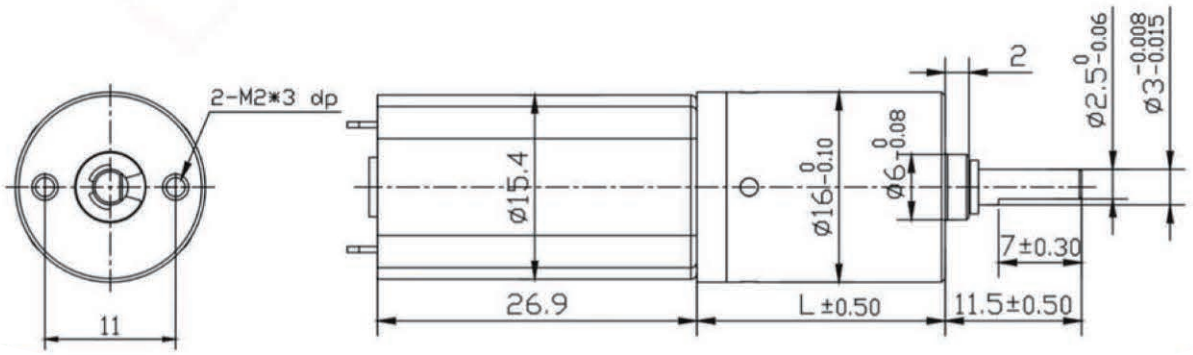
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	4 , 4.75	12.3 , 16 19 , 22.5	42.8 , 64 , 76 90 , 107	150, 256 , 304 361 , 428	712, 1024 , 1216 , 1444 1715 , 2036 , 2418
Gearbox length “L” mm	13.7	17.3	20.9	24.5	28.1
Max. Gear Running torgue	1.0kgf·cm	1.5kgf·cm	4.0kgf·cm	4.0kgf·cm	4.0kgf·cm
Max. Gear Breaking torgue	3.0kgf·cm	4.5kgf·cm	12.0kgf·cm	12.0kgf·cm	12.0kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	mA
RF-050039000	3	≤120	9200	≤370	7100	7.3	0.5	32.2	1250
RF-050069000	6	≤50	9000	≤180	7000	7.5	0.52	32	600
RF-0500129000	12	≤20	9400	≤90	7200	7.2	0.5	31.4	280
RF-05001212000	12	≤36	12000	≤160	9600	10	0.96	50	580
RF-0502414000	24	≤30	14000	≤100	10500	12	1.2	49	350

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension



DC Planetary Gear Motor

LS-PG22M180



Electrical Specification

Gearbox Data

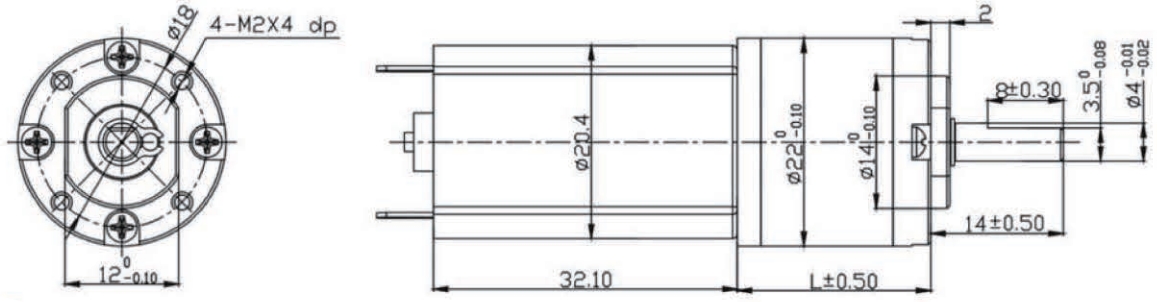
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.5 , 4	12.3 , 16 19	42.8 , 64 90	150, 256 , 304 361 , 428	712, 1024 , 1263 1444 , 1500 , 2036
Gearbox length "L" mm	13.9	17.5	21.1	24.7	28.3
Max. Gear Running torgue	1.0kgf·cm	2.0kgf·cm	4.0kgf·cm	4.0kgf·cm	4.0kgf·cm
Max. Gear Breaking torgue	3.0kgf·cm	6.0kgf·cm	12.0kgf·cm	12.0kgf·cm	12.0kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	mA
RF-1800310000	3	≤300	10000	≤1400	8000	30	2.4	120	7000
RF-1800610000	6	≤160	10000	≤720	8000	30	2.4	120	3500
RF-180129000	12	≤58	9000	≤300	7200	25	1.8	90	950
RF-1801211000	12	≤80	11000	≤450	8500	30	2.5	120	1550
RF-180249000	24	≤25	9000	≤240	7200	25	1.8	90	650
RF-1802411000	24	≤30	11000	≤255	8500	30	2.5	120	830

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension



DC Planetary Gear Motor

LS-PG25M370



Electrical Specification

Gearbox Data

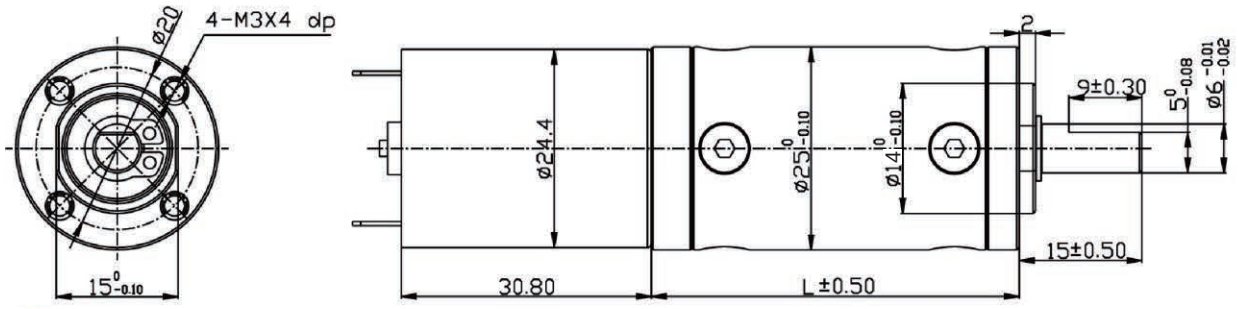
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.6, 4.25	13 , 15.3 18	36 , 46.7 , 55 65 , 76.8	114 , 130 , 168 , 198 , 234 , 276 , 326	467 , 604 , 713 , 842 994 , 1174 , 1386
Gearbox length "L" mm	18.3	25.0	30.8	36.6	42.4
Max. Gear Running torgue	3.0kgf·cm	5.0kgf·cm	10.0kgf·cm	10.0kgf·cm	10.0kgf·cm
Max. Gear Breaking torgue	9.0kgf·cm	15.0kgf·cm	30.0kgf·cm	30.0kgf·cm	30.0kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	mA
RF-370063000	6	≤130	3000	≤380	2200	15	0.33	130	1300
RF-370064500	6	≤150	4500	≤540	3500	24	0.8	160	1850
RF-370066000	6	≤220	6000	≤700	5250	30	1.6	230	2500
RF-370123000	12	≤30	3000	≤130	2200	15	0.33	125	420
RF-370126000	12	≤130	6000	≤180	5264	30	1.6	243	1260
RF-370246000	24	≤65	6000	≤100	5296	30	1.6	259	725

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension



LS-PG28M395



Electrical Specification

Gearbox Data

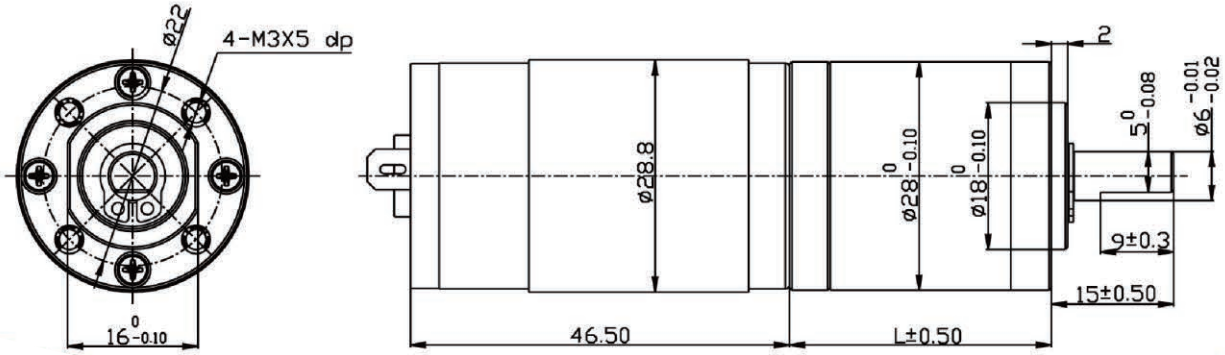
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.3, 4.6	11.2 , 15.5 21.5	37.7, 52.1, 72, 100	126, 174 , 241 , 334 , 462	423, 585 , 810 1120 , 1549 , 2142
Gearbox length "L" mm	20.2	25.9	31.7	37.5	43.3
Max. Gear Running torgue	10kgf·cm	20kgf·cm	30kgf·cm	50kgf·cm	50kgf·cm
Max. Gear Breaking torgue	30kgf·cm	60kgf·cm	150kgf·cm	150kgf·cm	150kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	mA
RS-395124500	12	≤150	4500	≤470	3879	95.2	3.7	643	2600
RS-395126000	12	≤190	6000	≤950	5350	119	6.5	847	4600
RS-395244500	24	≤70	4500	≤230	3992	104	4.2	722	1500
RS-395246000	24	≤90	6000	≤450	5456	134	7.5	1017	2720

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension



LS-PG32GR



Electrical Specification

Gearbox Data

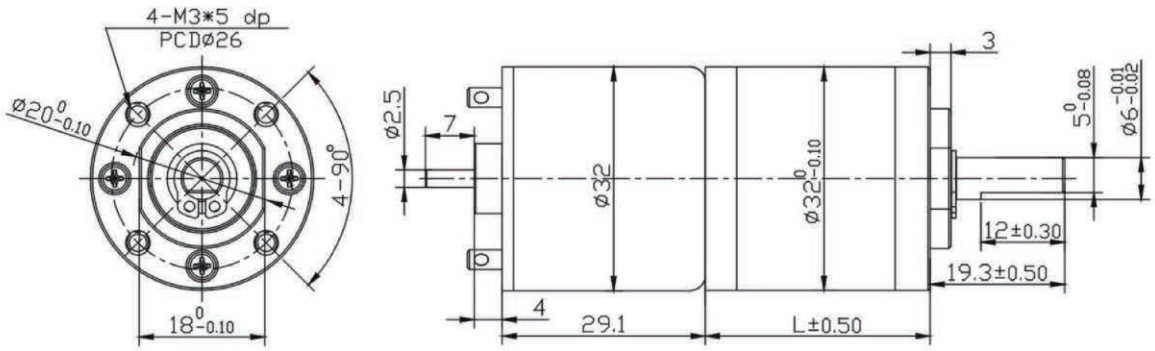
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.3 , 4.6	11.2 , 15.5 21.5	37.7 , 52.1 72 , 100	126 , 174 , 241 334 , 462	423 , 585 , 810 , 1120 , 1549 , 2142
Gearbox length "L" mm	20.7	26.4	32.2	38	43.8
Max. Gear Running torgue	10kgf·cm	20kgf·cm	50gf·cm	50kgf·cm	50kgf·cm
Max. Gear Breaking torgue	30kgf·cm	60kgf·cm	150kgf·cm	150kgf·cm	150kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	mA
GR124500	12	≤90	4500	≤220	3589	67.6	2.5	358	1500
GR127000	12	≤140	7000	≤700	5647	79.7	4.6	472	3030
GR244500	24	≤50	4500	≤160	3539	60	2.1	281	596
GR246700	24	≤70	6700	≤280	4500	78.4	4.23	381	1140

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension



LS-PG32MZY31



Electrical Specification

Gearbox Data

Number Of Stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction Ratio	4, 4.75	16, 19, 22.5	64, 76 90, 107	256, 304, 361, 428, 509	1024, 1216, 1444 1715, 2036, 2418
Gearbox length "L" mm	24	29.1	34.2	39.3	44.4
Max. Running Torque	10Kgf · cm	20Kgf · cm	50Kgf · cm	50Kgf · cm	50Kgf · cm
Max. Gear Breaking Torque	30Kgf · cm	60Kgf · cm	150Kgf · cm	150Kgf · cm	150Kgf · cm
Gearing Efficiency	90%	81%	73%	65%	59%

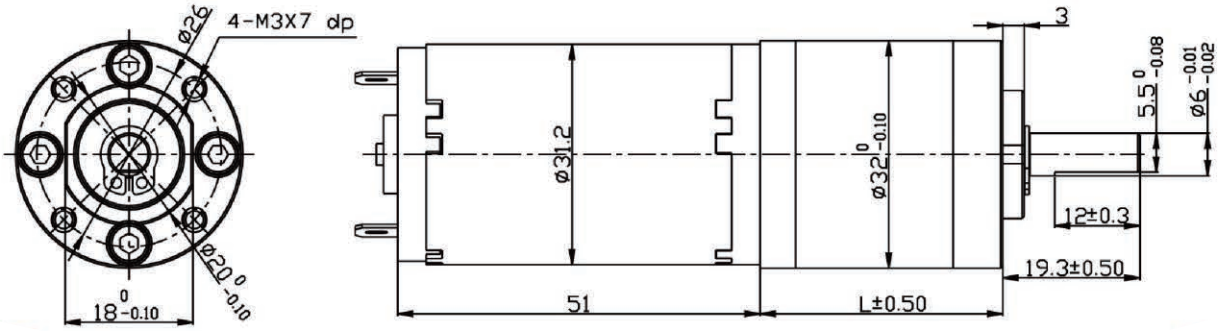
Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
31ZY123000	12	≤100	3000	≤400	2200	90	2.0	360	1600
31ZY124500	12	≤150	4500	≤700	3300	130	4.3	520	2700
31ZY126000	12	≤220	6000	≤1200	4500	180	8.0	720	5000
31ZY243000	24	≤60	3000	≤200	2200	90	2.0	360	800
31ZY244500	24	≤90	4500	≤350	3300	130	4.3	520	1300
31ZY246000	24	≤130	6000	≤650	4500	180	8.0	720	2600

1. Please refer to motor 31ZY for the motor graph.
2. After connecting motor and gearbox which is named gearmotor the output torque: motor torque X reduction ratio X gearing efficiency; output speed: motor speed /reduction ratio.

* Note: It's only typical technical data,special requirement can be customized.

Mechanical Dimension



LS-PG36GR



Electrical Specification

Gearbox Data

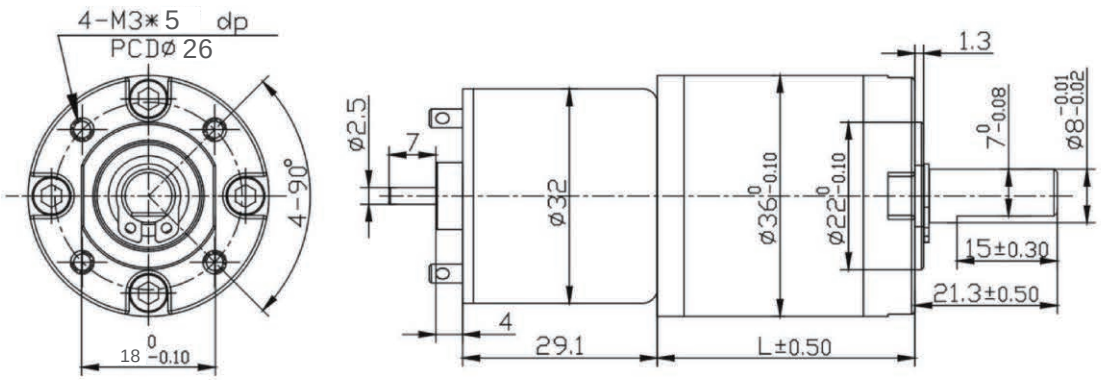
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.7 , 5.2	13.7 , 19.2 26.9	50.9 , 71.2 99.5 , 139	188 , 264 , 369 516 , 721	699 , 977 , 1367 1911 , 2672 , 3736
Gearbox length "L" mm	25.1	32.3	38.5	44.7	50.9
Max. Gear Running torgue	20kgf·cm	50kgf·cm	100kgf·cm	100kgf·cm	100kgf·cm
Max. Gear Breaking torgue	60kgf·cm	150kgf·cm	300kgf·cm	300kgf·cm	300kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	mA
GR124500	12	≤90	4500	≤220	3589	67.6	2.5	358	1500
GR127000	12	≤140	7000	≤700	5647	79.7	4.6	472	3030
GR244500	24	≤50	4500	≤160	3539	60	2.1	281	596
GR246700	24	≤70	6700	≤280	4500	78.4	4.23	381	1140

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension



LS-PG36M555



Electrical Specification

Gearbox Data

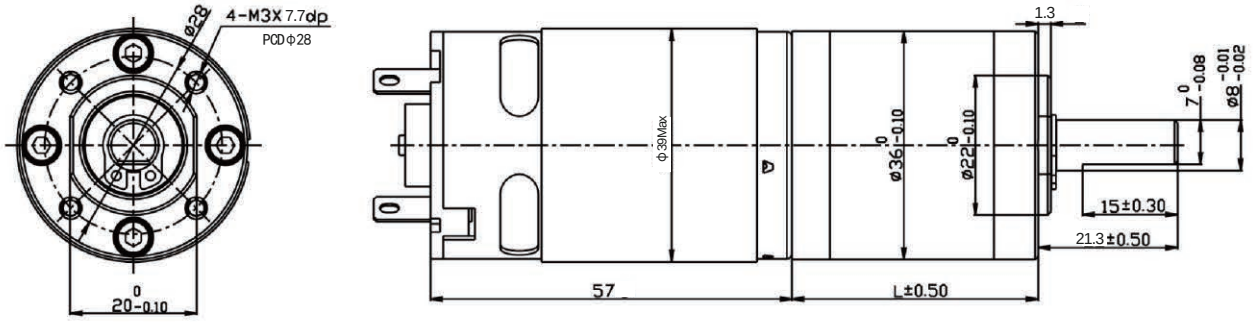
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.7 , 5.2	13.7, 19.2 26.9	50.9 , 71.2 99.5 , 139	188 , 254 , 369 516 , 721	699 , 977 , 1367 1911 , 2672 , 3736
Gearbox length “L” mm	25.1	32.3	38.5	44.7	50.9
Max. Gear Running torgue	20kgf·cm	50kgf·cm	100kgf·cm	100kgf·cm	100kgf·cm
Max. Gear Breaking torgue	60kgf·cm	150kgf·cm	300kgf·cm	300kgf·cm	300kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	A
RS-555123000	12	≤140	3000	≤600	2458	179	4.51	1210	3.1
RS-555124500	12	≤200	4500	≤900	3929	183	7.42	1508	6.0
RS-555126000	12	≤320	6000	≤1450	5244	215	11.5	1722	9.3
RS-555243500	24	≤115	3500	≤480	3041	246	7.7	1720	2.7
RS-555244500	24	≤110	4500	≤460	3984	189	7.8	1713	3.4
RS-555246000	24	≤140	6000	≤920	5305	243	13.2	2065	5.5
RS-555249500	24	≤280	9500	≤1900	8190	386	32.5	2797	11.7

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension



LS-PG42775



Electrical Specification

Gearbox Data

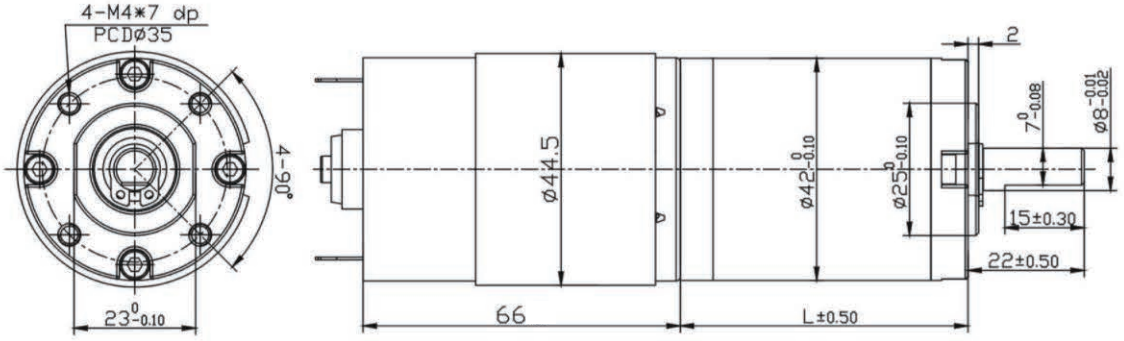
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.7	10.2 , 13.7 19.2	32.5 , 50.9 71.2 , 99.5	139 , 188 , 264 369 , 516	699 , 977 , 1367 1911 , 2672 , 3736
Gearbox length "L" mm	31.8	43.1	54.4	65.7	77
Max. Gear Running torgue	50kgf·cm	100kgf·cm	200kgf·cm	200kgf·cm	200kgf·cm
Max. Gear Breaking torgue	100kgf·cm	300kgf·cm	600kgf·cm	600kgf·cm	600kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	A
RS-775123000	12	≤420	3000	≤1300	2430	408	10.4	2484	6.7
RS-778124500	12	≤750	4500	≤2100	3710	476	17.6	2714	10.4
RS-775126000	12	≤1300	6000	≤3500	5195	478	25.5	3129	18.6
RS-775243000	24	≤210	3000	≤600	2590	364	9.87	2050	3.2
RS-775244500	24	≤480	4500	≤1300	3850	482	18.5	3335	5.3
RS-775246000	24	≤630	6000	≤2100	5233	574	30.8	4565	12.1

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension



PG45M775



Electrical Specification

Gearbox Data

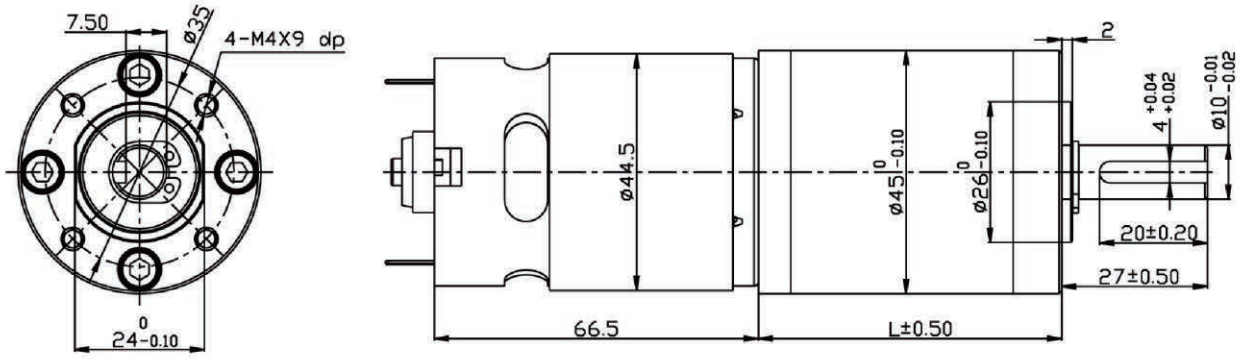
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.7	10.2, 13.7 19.2	32.5 , 50.9 71.2 , 99.5	139, 188 , 264 369 , 516	699, 977 , 1367 1911 , 2672 , 3736
Gearbox length "L" mm	33.6	44.9	56.2	67.5	78.8
Max. Gear Running torgue	50kgf·cm	100kgf·cm	200kgf·cm	200kgf·cm	200kgf·cm
Max. Gear Breaking torgue	100kgf·cm	300kgf·cm	600kgf·cm	600kgf·cm	600kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	A
RS-775123000	12	≤420	3000	≤1300	2430	408	10.4	2484	6.7
RS-778124500	12	≤750	4500	≤2100	3710	476	17.6	2714	10.4
RS-775126000	12	≤1300	6000	≤3500	5195	478	25.5	3129	18.6
RS-775243000	24	≤210	3000	≤600	2590	364	9.87	2050	3.2
RS-775244500	24	≤480	4500	≤1300	3850	482	18.5	3335	5.3
RS-775246000	24	≤630	6000	≤2100	5233	574	30.8	4565	12.1

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension



LS-PG45MZY45



Electrical Specification

Gearbox Data

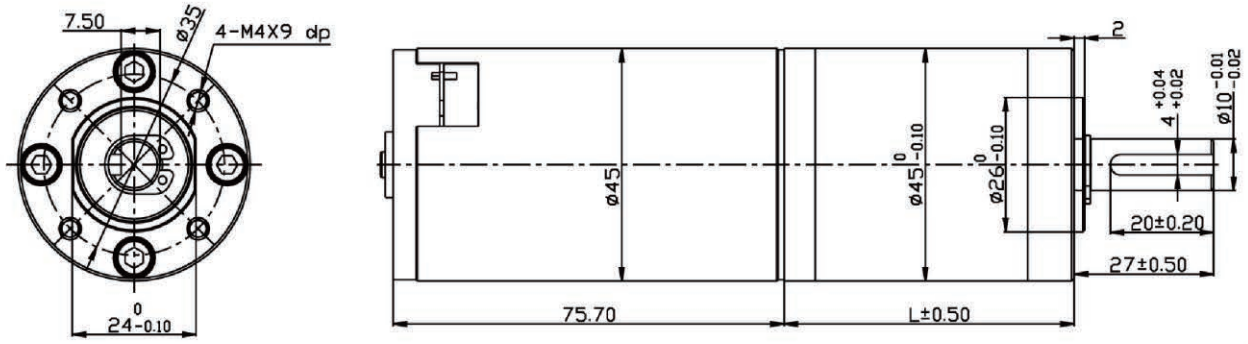
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.7	10.2, 13.7 19.2	32.5 , 50.9 71.2 , 99.5	139, 188 , 264 369 , 516	699, 977 , 1367 1911 , 2672 , 3736
Gearbox length "L" mm	25.1	32.3	38.5	44.7	78.8
Max. Gear Running torgue	50kgf·cm	100kgf·cm	200kgf·cm	200kgf·cm	200kgf·cm
Max. Gear Breaking torgue	100kgf·cm	300kgf·cm	600kgf·cm	600kgf·cm	600kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	A
ZY45123000	12	≤210	3000	≤1200	2430	390	9.5	2470	6.6
ZY45124500	12	≤440	4500	≤2050	3710	480	17.8	2706	10.2
ZY45126000	12	≤630	6000	≤4150	5240	610	31.9	4700	20.3
ZY45243000	24	≤120	3000	≤620	2590	380	9.84	2160	3.4
ZY45244500	24	≤270	4500	≤1340	3850	490	18.8	3233	5.5
ZY45246000	24	≤360	6000	≤2050	5120	650	33.2	4715	12.2

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension



LS-PG52MZY52



Electrical Specification

Gearbox Data

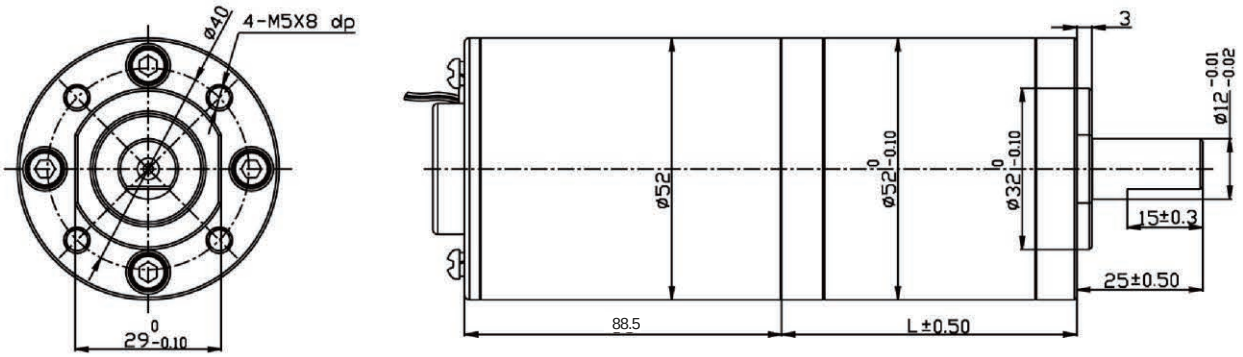
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.7 , 5.2	13.7 , 19.2 26.9	50.9 , 71.2 99.5 , 139	188 , 264 , 369 516 , 721	699, 977 , 1367 1911 , 2672 , 3736
Gearbox length "L" mm	27.3	38.9	50.5	62.1	73.7
Max. Gear Running torgue	50kgf·cm	100kgf·cm	300kgf·cm	300kgf·cm	300kgf·cm
Max. Gear Breaking torgue	150kgf·cm	300kgf·cm	900kgf·cm	900kgf·cm	900kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	A
ZY52123000	12	≤650	3000	≤4900	2550	1316	35.1	6416	21.1
ZY52243000	24	≤320	3000	≤2880	2623	1634	44.8	8712	13.8

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

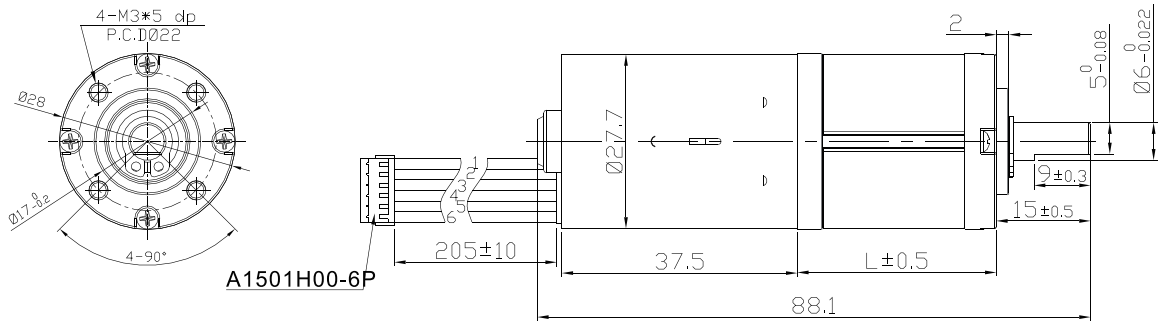
Mechanical Dimension



PG28BL28



Appearance size



Gearbox data:

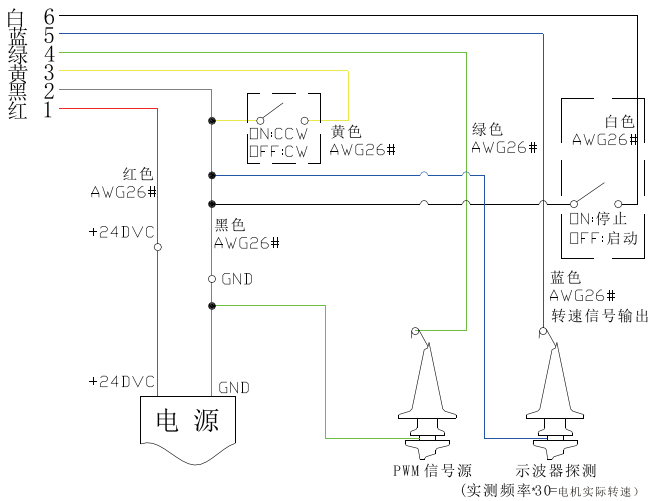
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4stages reduction	5stages reduction
Reduction ratio	3.3，4.6	11.2，15.5，21.5	37.7，52.1，72，100	126，174，241，334，462，	423，585，810，1120，1549，2142，
Gearbox length “L” mm	20.2	25.9	31.7	37.5	43.3
Max. Running torque	10Kgf • cm	20Kgf • cm	50Kgf • cm	50Kgf • cm	50Kgf • cm
Max. Gear breaking torque	20Kgf • cm	60Kgf • cm	150Kgf • cm	150Kgf • cm	150Kgf • cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
BL28-246000	24	≤90	6000	≤270	5152	79.3	4.1	507	1380
BL28-126000	12	≤100	6000	≤280	5157	80.7	4.3	515	1383

1、After connecting motor and gearbox which is named gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed /reduction ratio.

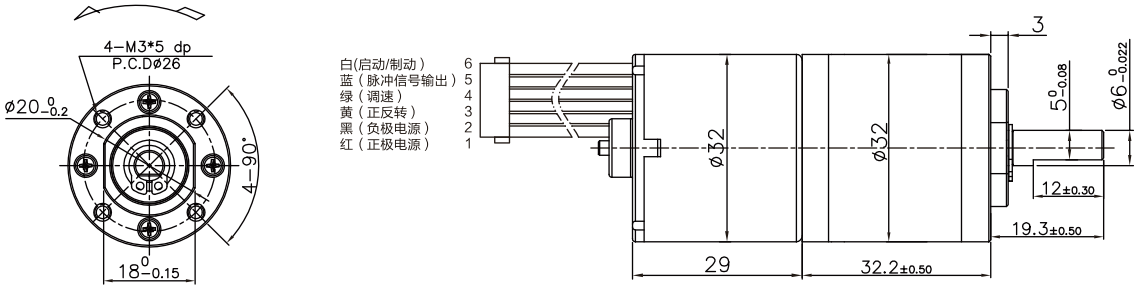
电机使用示意图



PG32BL32



Appearance size



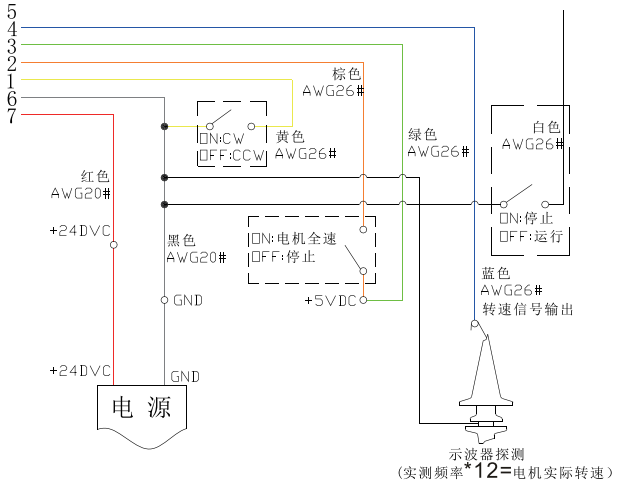
Gearbox data

Number of stages	1	2	3	4	5
Reduction ratio	3.3,4.6	11.2,15.5,21.5	37.7,52.1,72,100	126,174,241,334,462	423,585,810,1120,1549,2142
Gearbox length "L" mm	20.7	26.4	32.2	38	43.8
Running torque	10.0kgf · cm	20.0kgf · cm	50.0kgf · cm	50.0kgf · cm	50.0kgf · cm
Gear breaking torque	20.0kgf · cm	60.0kgf · cm	150.0kgf · cm	150.0kgf · cm	150.0kgf · cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor data

Motor type	Rated volt (V)	No load speed (rpm)	No load current (mA)	Rated speed (rpm)	Rated current (mA)	Rated torque (gf.cm)	Rated output (W)	Stall torque (gf.cm)	Stall current (A)
BL32126000	12	6000	≤120	4850	≤440	72	3.61	424	≤2.23
BL32246000	24	6000	≤55	4963	≤241	70	3.56	440	≤1.16

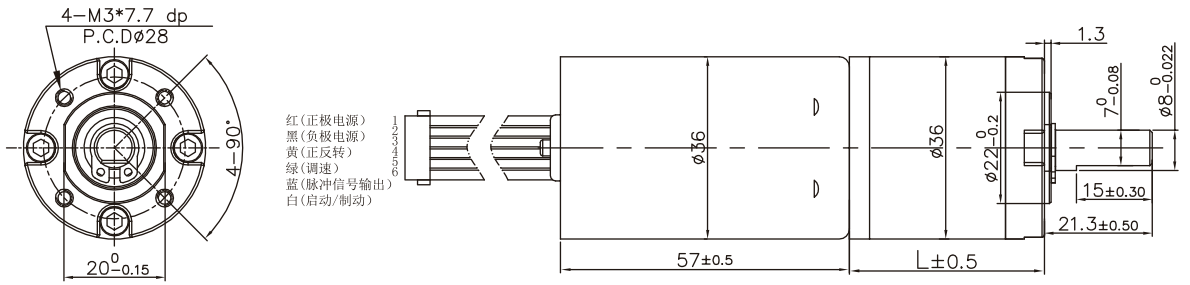
电机使用示意图



PG36BL36



Appearance size

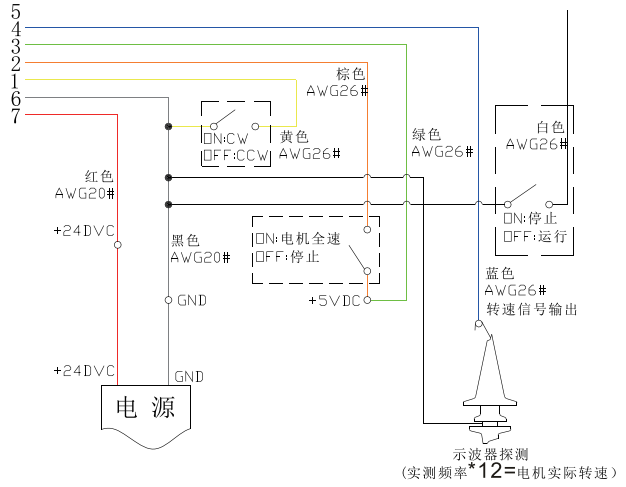


Number of stages	1	2	3	4	5
Reduction ratio	3.7,5.2	13.7,19.2,26.9	50.9,71.2,99.5,139	188,264,369,516,721	669,977,1367,1911,2672,3736
Gearbox length "L" mm	25.1	32.3	38.5	44.7	50.9
Running torque	20.0kgf · cm	50.0kgf · cm	100.0kgf · cm	100.0kgf · cm	100.0kgf · cm
Gear breaking torque	60.0kgf · cm	150.0kgf · cm	200.0kgf · cm	200.0kgf · cm	200.0kgf · cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor data

Motor type	Rated volt (V)	No load speed (rpm)	No load current (mA)	Rated speed (rpm)	Rated current (mA)	Rated torque (gf.cm)	Rated output (W)	Stall torque (gf.cm)	Stall current (A)
BL36126000	12	6000	≤460	5160	≤1580	257	13.6	1775	≤1.8
BL36245000	12	5000	≤220	4100	≤1086	395	16.4	2317	≤5.34
BL36246000	24	6000	≤220	5100	≤1204	385	20.1	2737	≤7.1

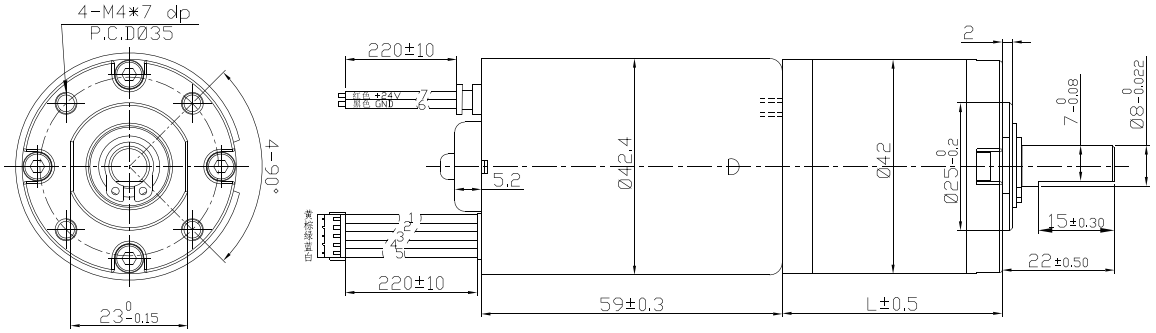
电机使用示意图



PG42BL42



Appearance size



Gearbox data:

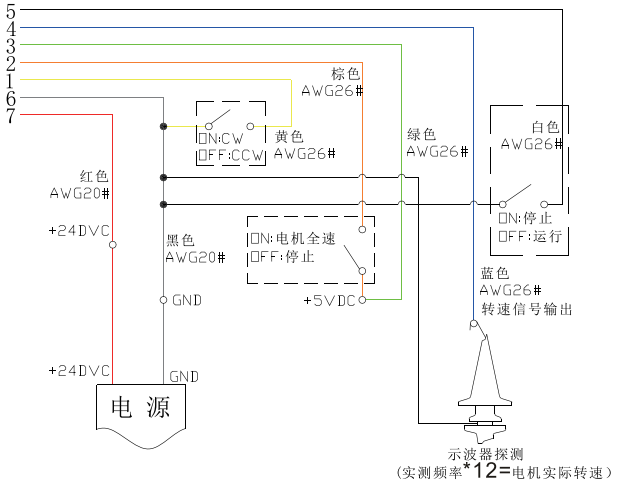
Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4stages reduction	5stages reduction
Reduction ratio	3.7,	10.2, 13.7, 19.2,	32.5, 50.9, 71.2, 99.5,	139, 188, 264, 369, 516,	699, 977, 1367, 1911, 2672, 3736,
Gearbox length "L" mm	31.8	43.1	54.4	65.7	77
Max. Running torque	50Kgf • cm	100Kgf • cm	200Kgf • cm	200Kgf • cm	200Kgf • cm
Max. Gear breaking torque	150Kgf • cm	300Kgf • cm	300Kgf • cm	600Kgf • cm	600Kgf • cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	A
BL42-246000	24	≤280	6000	≤2027	4932	720	38.5	5889	14.59
BL42-126000	12	≤350	6000	≤2223	5155	795	42.1	5785	13.96

1、After connecting motor and gearbox which is named gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed /reduction ratio.

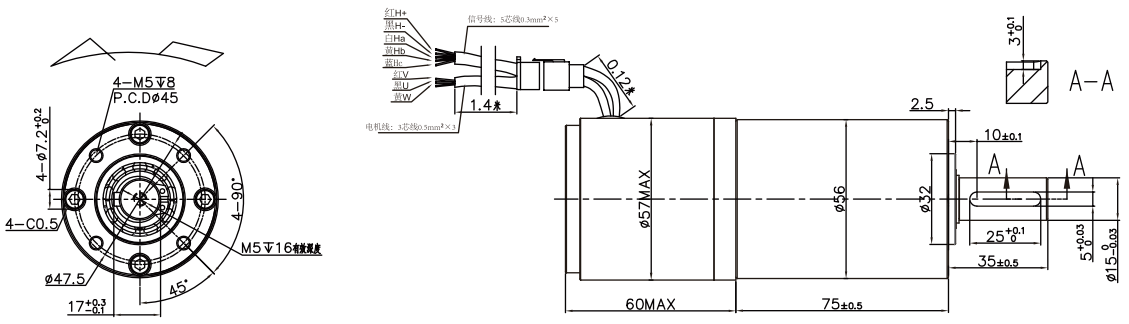
电机使用示意图



PG56BL57



Appearance size



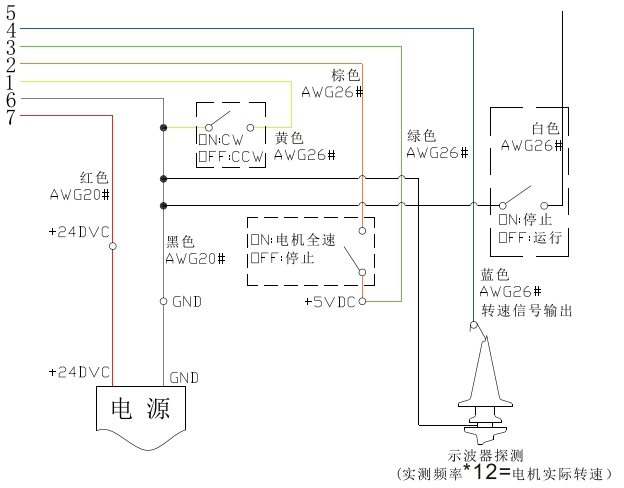
Gearbox data

Number of stages	1	2	3	4	5
Reduction ratio	3.6,4.3	13,15.3,19.2	46.7,69,102,121	198,276,326,409,513	846,995,1567,1966,2321,3439
Gearbox length "L" mm	32 1	46 0	59 9	72 8	90 2
Running torque	100 0kgf · cm	200 0kgf · cm	400 0kgf · cm	400 0kgf · cm	400 0kgf · cm
Gear breaking torque	300.0kgf · cm	600.0kgf · cm	1200.0kgf · cm	1200.0kgf · cm	1200.0kgf · cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor data

Motor type	Rated volt (V)	No load speed (rpm)	No load current (A)	Rated speed (rpm)	Rated current (A)	Rated torque (Kgf.cm)	Rated output (W)	Stall torque (Kgf.cm)	Stall current (A)
BL57361800	36	1800	≤0.35	1440	≤1.25	2	30	10	≤5.2

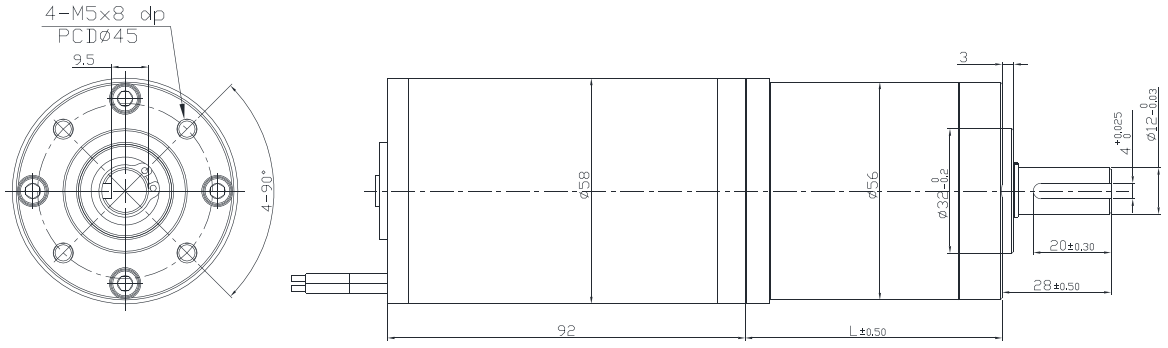
电机使用示意图



PG56ZY58



Appearance size



Gearbox data:

Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4stages reduction	5stages reduction
Reduction ratio	3.6，4.3	13，19.2，22.7	46.7，69，102，121，	198，276，326，409，513，	843，995，1567，1966，2321，3439，
Gearbox length “L” mm	38.3	52.2	66.1	80.0	96.4
Max. Running torque	100Kgf • cm	200Kgf • cm	400Kgf • cm	400Kgf • cm	400Kgf • cm
Max. Gear breaking torque	300Kgf • cm	600Kgf • cm	600Kgf • cm	600Kgf • cm	1200Kgf • cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	A
ZY58123000	12	≤480	3000	≤4600	2418	1508	38.1	7594	21.1
ZY58243000	24	≤260	3000	≤2620	2412	1562	39.5	8392	12.4

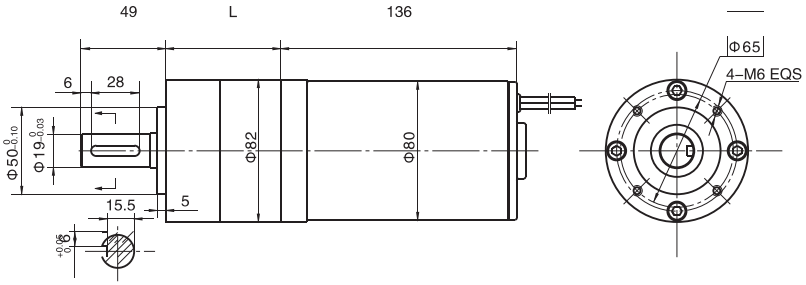
1、After connecting motor and gearbox which is named gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed /reduction ratio.

NOTE:

1、Gearmotor named methods: e.g. PG52ZY52123000-102K Motor please refer to the motor data ZY52123000.Gearbox please refer to gearbox data reduction ratio 102.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 45.
3、Standard output shaft after reducing: 12.0mm.other sizes of the output shaft can make as client request.
4、Chart only for reference,products shall preval the entity.

PG82/80ZY125

Dimensions





Motor Technical Data

TYPE	Rated voltage VDC	No–load speed r/min	No–load current A	Rated speed r/min	Rated torque mN.m	Output power W	Rated current A	Stall torque N.m	Stall current A
80ZY125-2420	24	2000	0.7	1650	440	76	5	2.5	22
80ZY125-2435	24	3500	1.6	2750	950	274	17	4.4	30

Gear Motor Technical Data

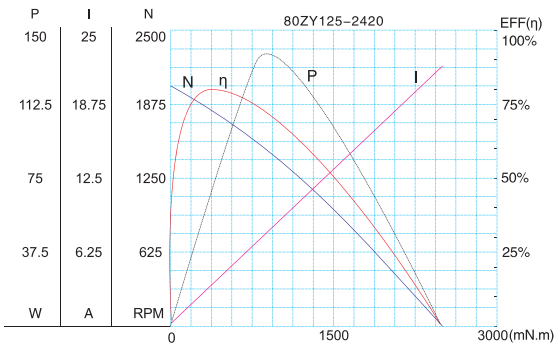
80ZY125–2420 DC Motor

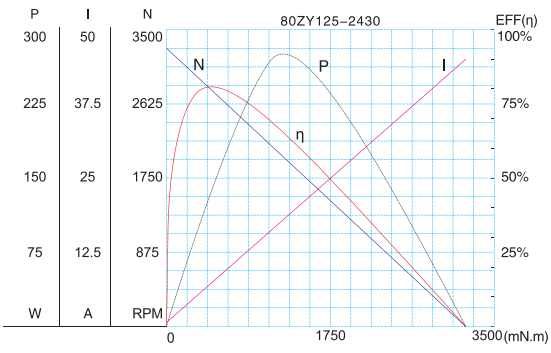
Reduction ratio		4	7	14	19	25	32	50	64	71	90	116	152	195	329
Number of gear trains		1	1	2	2	2	2	3	3	3	3	3	3	3	3
Length(L)	mm	66	66	90	90	90	90	115	115	115	115	115	115	115	115
No–load speed	r/min	500	286	143	105	80	63	40	31	28	22	17	13	10	6
Rated speed	r/min	413	236	118	87	66	52	33	26	23	18	14	11	8.5	5
Rated torque	N.m	1.6	2.8	5.0	6.8	8.9	11	16	21	23	29	37	49	63	106
Max. permissible load in a short time	N.m	60	60	180	180	180	180	360	360	360	360	360	360	360	360

80ZY125–2435 DC Motor

Reduction ratio		4	7	14	19	25	32	50	64	71	90	116	152	195
Number of gear trains		1	1	2	2	2	2	3	3	3	3	3	3	3
Length(L)	mm	66	66	90	90	90	90	115	115	115	115	115	115	115
No–load speed	r/min	875	500	250	184	140	109	70	55	49	39	30	23	18
Rated speed	r/min	688	393	196	145	110	86	55	43	39	31	24	18	14
Rated torque	N.m	3.4	6.0	11	15	19	25	35	44	49	62	80	105	120
Max. permissible load in a short time	N.m	60	60	180	180	180	180	360	360	360	360	360	360	360

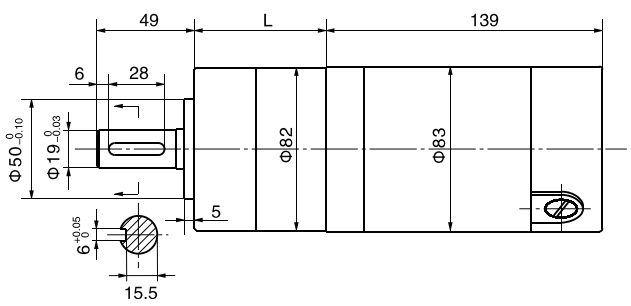
Motor Characteristic Figure

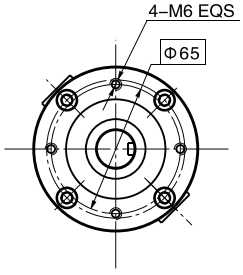




PG82/83ZY125

Dimensions







Motor Technical Data

Type	Rated voltage VDC	No–load speed r/min	No–load current A	Rated speed r/min	Rated torque N.m	Output power W	Rated current A	Stall torque N.m	Stall current A
83ZY125–2420	24	2000	0.80	1700	0.24	42	3.5	1.6	17
83ZY125–2430	24	3000	0.90	2600	0.30	77	4.6	1.8	20

Gear Motor Technical Data

83ZY125–2420 DC Motor

Reduction ratio		4	7	14	19	25	32	50	64	71	90	116	152	195	329
Number of gear trains		1	1	2	2	2	2	3	3	3	3	3	3	3	3
Length(L)	mm	66	66	90	90	90	90	115	115	115	115	115	115	115	115
No–load speed	r/min	500	286	143	105	80	63	40	31	28	22	17	13	10	6
Rated speed	r/min	425	243	121	89	68	53	34	27	24	19	15	11	9	5
Rated torque	N.m	0.9	1.5	2.7	3.7	4.9	6.2	8.8	11	12	16	20	27	34	58
Max. permissible load in a short time	N.m	60	60	180	180	180	180	360	360	360	360	360	360	360	360

83ZY125–2430 DC Motor

Reduction ratio		4	7	14	19	25	32	50	64	71	90	116	152	195	329
Number of gear trains		1	1	2	2	2	2	3	3	3	3	3	3	3	3
Length(L)	mm	66	66	90	90	90	90	115	115	115	115	115	115	115	115
No–load speed	r/min	750	429	214	158	120	94	80	47	42	33	26	20	15	9
Rated speed	r/min	625	357	179	132	100	78	50	39	35	28	22	16	13	8
Rated torque	N.m	1.1	1.9	3.4	4.6	6.1	7.8	11	14	16	20	25	33	43	72
Max. permissible load in a short time	N.m	60	60	180	180	180	180	360	360	360	360	360	360	360	360

LS–N20AGB

Application:
Robot, Toys, Automatic door-lock,Camera,Monitor



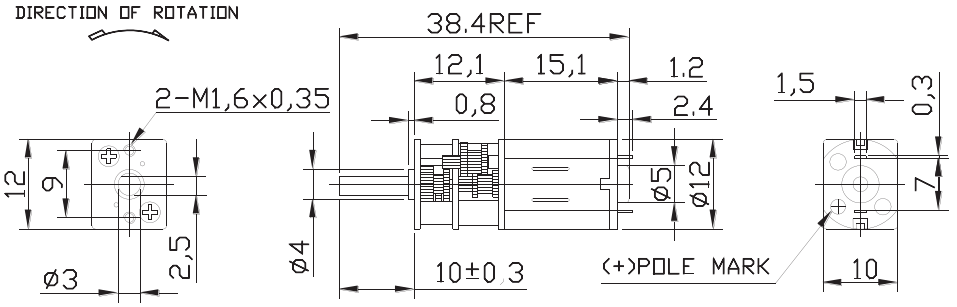
Electrical Specification

Model	Ratio	Voltage (v)	No Load		At Maximum Efficiency				Stall	
			Speed (r/min)	Current (mA)	Speed (r/min)	Current (mA)	Torque (g·cm)	Output (w)	Torque (g·cm)	Current (mA)
N20AGB1000-07280	1/1000	5	10	40	9	65	600	0.30	3600	380
N20AGB1000-09168	1/1000	6	21	60	19	130	1000	0.35	5500	820
N20AGB380-06350	1/380	5	21	20	17	60	400	0.15	1100	180
N20AGB298-08230	1/298	3	26	25	22	60	200	0.17	1000	260
N20AGB298-09195	1/298	6	52	40	45	120	400	0.20	1800	520
N20AGB298-09168	1/298	6	72	50	62	140	480	0.25	2400	820
N20AGB298-11115	1/298	6	100	80	85	250	600	0.30	3500	1650
N20AGB100-09168	1/100	3	100	50	80	180	180	0.15	600	450
N20AGB150-08195	1/150	6	120	45	100	120	200	0.18	1200	580
N20AGB100-08230	1/100	12	300	50	150	180	350	0.35	1800	950
N20AGB50-09168	1/50	6	420	70	320	230	160	0.20	800	900
N20AGB50-08230	1/50	12	580	50	440	230	250	0.27	1300	950
N20AGB30-09168	1/30	7	830	70	650	250	100	0.15	500	950
N20AGB20-09168	1/20	7	1250	70	1000	210	60	0.18	300	950
N20AGB20-06350	1/20	12	1000	35	840	100	50	0.20	250	400

* Note: It's only typical technical data,special requirement can be customzied.

Reduction Ratio	10	20	30	50	63	100	150	210	250	298	340	380	1000
L	9												12
Direction Of Rotation	CCW						CW						

Mechanical Dimensions



LS-N30AGB

Typical Application:
Robot, Toys, Automatic door-lock,Camera,Monitor

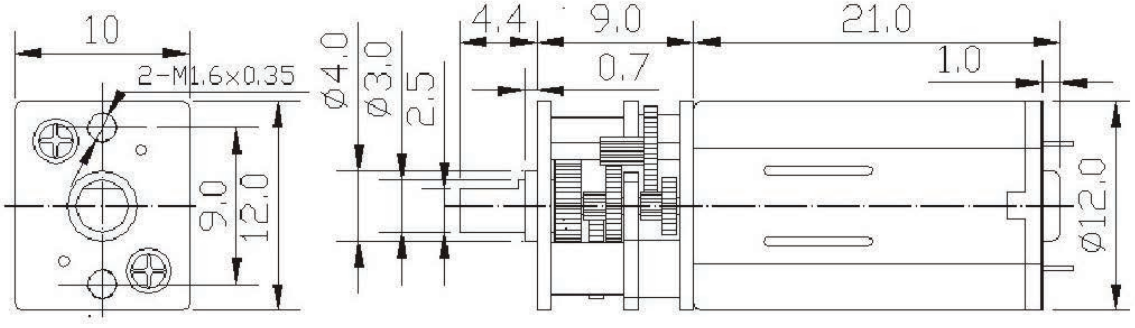


Electrical Specification

Model	Ratio	Voltage (v)	No Load		At Maximum Efficiency				Stall	
			Speed (r/min)	Current (mA)	Speed (r/min)	Current (mA)	Torque (g·cm)	Output (w)	Torque (g·cm)	Current (mA)
N30AGB50-10145	1/50	6	320	50	250	200	200	0.18	1000	850
N30AGB100-10155	1/100	12	305	50	240	180	600	0.21	3000	1480
N20AGB298-11115	1/298	6	68	50	60	150	600	0.15	3800	1550
*Note：It's only typical technical data for reference, Motor's voltage, speed, torque, shaft dimension can be customized!										

Reduction Ratio	10	20	30	50	63	100	150	210	250	298	340	380	1000
L	9												12
Direction Of Rotation	CCW						CW						

Mechanical Dimensions



LS-030BGB

Typical Application:

Robot, Toys, Automatic door-lock,Camera,Monitor

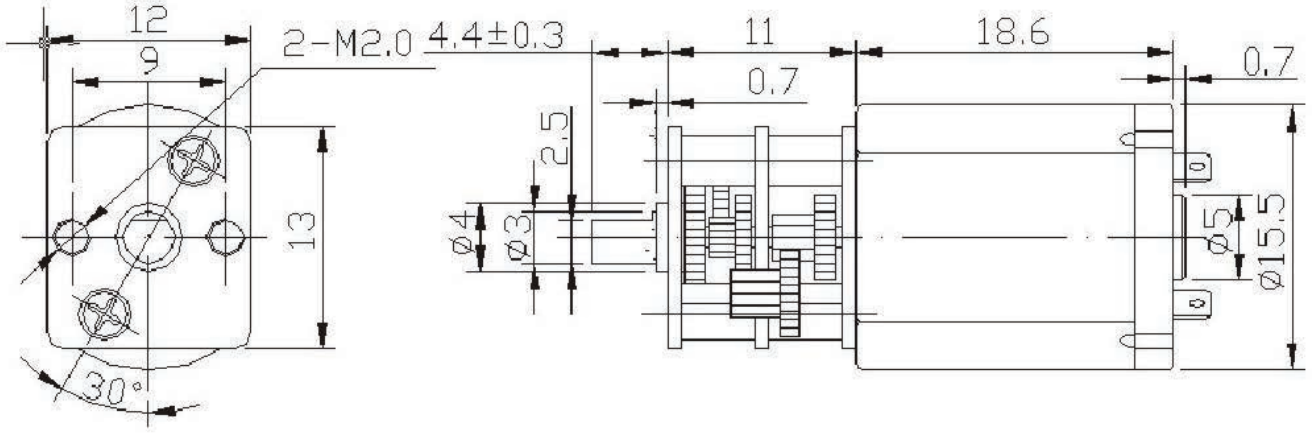


Electrical Specification

Model	Ratio	Voltage (v)	No Load		At Maximum Efficiency				Stall	
			Speed (r/min)	Current (mA)	Speed (r/min)	Current (mA)	Torque (g·cm)	Output (w)	Torque (g·cm)	Current (mA)
030BGB250-09210	1/25	6	50	60	38	195	560	0.22	2400	640
030BGB150-10180	1/150	6	70	75	60	260	770	0.38	3000	800
*Note：It's only typical technical data for reference, Motor's voltage, speed, torque, shaft dimension can be customized!										

Reduction Ratio	10	35	63	86	115	150	250	360
Direction Of Rotation	CCW				CW			

Mechanical Dimensions



LS-050BGB

Typical Application:

Robot,Toys, Automatic door-lock,Camera,Monitor

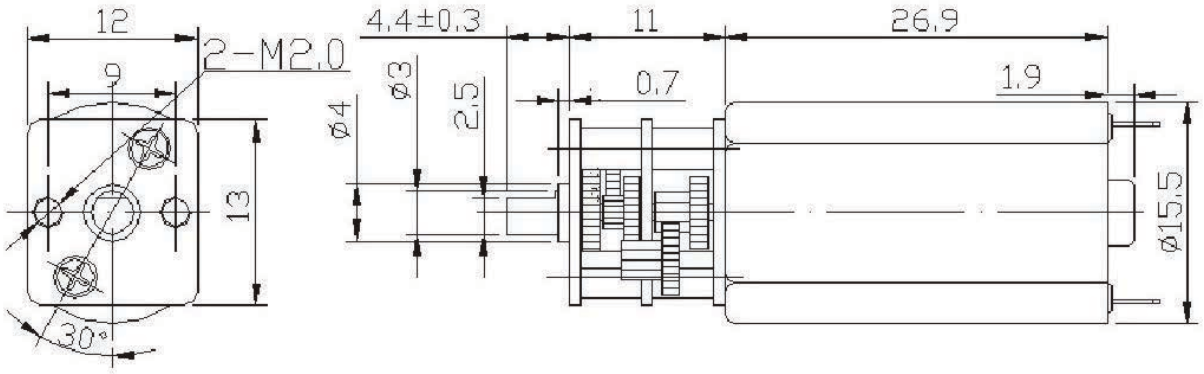


Electrical Specification

Model	Ratio	Voltage (v)	No Load		At Maximum Efficiency				Stall	
			Speed (r/min)	Current (mA)	Speed (r/min)	Current (mA)	Torque (g·cm)	Output (w)	Torque (g·cm)	Current (mA)
050BGB86-1110	1/86	6	106	55	90	150	350	0.35	1900	750
050BGB115-1768	1/115	6	190	180	170	280	600	0.45	4800	3300
050BGB360-08230	1/360	6	26	40	21	70	700	0.25	5000	450
*Note: It's only typical technical data for reference, Motor's voltage, speed, torque, shaft dimension can be customized!										

Reduction Ratio	10	35	63	86	115	150	250	360
Direction Of Rotation	CCW				CW			

Mechanical Dimensions



LS-16GA030

Typical Application:

Electricc toy, Projector, Robot, Beauty apparatus,Door lock

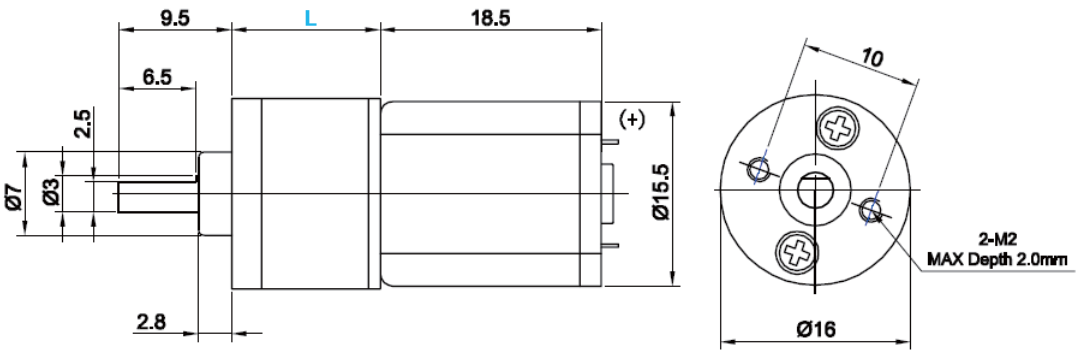


Electrical Specification

Model	Voltage	No Load		At Maximum Efficiency					Starting		
	Norminal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
		r/min	mA	r/min	mA	mN.m	g·cm	w	mN.m	g·cm	mA
LS-16GA030-100	3	70	60	52	170	29.4	300	0.16	78.4	800	450
LS-16GA030-50	6	250	80	200	250	11.7	120	0.25	98	1000	700
LS-16GA030-600	5	6.5	30	5	40	68.6	700	0.1	294	3000	700
LS-16GA030-24	12	775	100	620	260	68.6	120	180	58.8	600	500
*Note: It's only typical technical data for reference, Motor's voltage, speed, torque, shaft dimension can be customized!											

Number Of Stages	3	4	5	6	7
Gear Ratio I	11.1	22.2	83.3	200	600
	16.7	33.3	100	250	750
		50	150	300	900
				450	1350
Length Of Gearbox L (mm)	12.8	12.8	14.2	15.6	17.9

Mechanical Dimensions



LS-16GA050

Typical Application:

Electricc toy, Projector, Robot, Beauty apparatus,Door lock



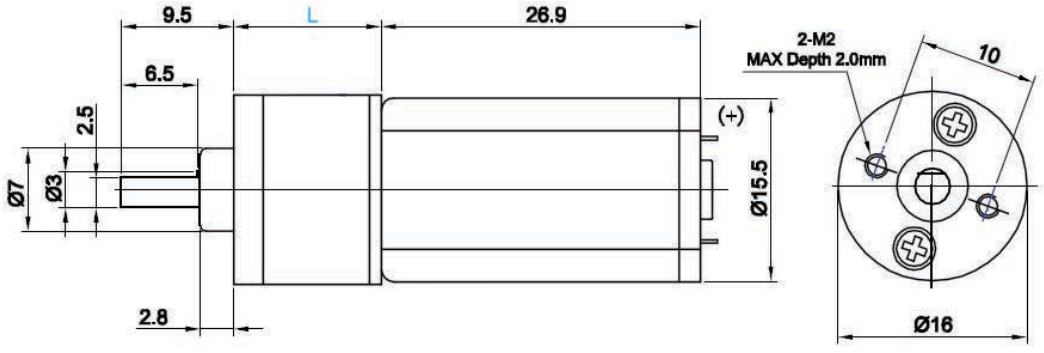
Electrical Specification

Model	Voltage	No Load		At Maximum Efficiency					Starting		
	Norminal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
		r/min	mA	r/min	mA	mN.m	g·cm	w	mN.m	g·cm	mA
LS-16GA050-33	12	350	50	290	170	14.7	150	0.45	98	1000	700
LS-16GA050-50	12	230	50	180	170	23.52	240	0.45	147	1500	700
LS-16GA050-362	6	31	100	25	320	196	2000	0.36	950	9670	1300
LS-16GA050-62	12	140	60	100	200	39.2	400	0.41	245	2500	500

*Note：It's only typical technical data for reference, Motor's voltage, speed, torque, shaft dimension can be customized!

Number Of Stages	3	4	5	6	7
Gear Ratio I	11.1	22.2	83.3	200	600
	16.7	33.3	100	250	750
		50	150	300	900
				450	1350
Length Of Gearbox L (mm)	12.8	12.8	14.2	15.6	17.9

Mechanical Dimensions



LS-20GA130

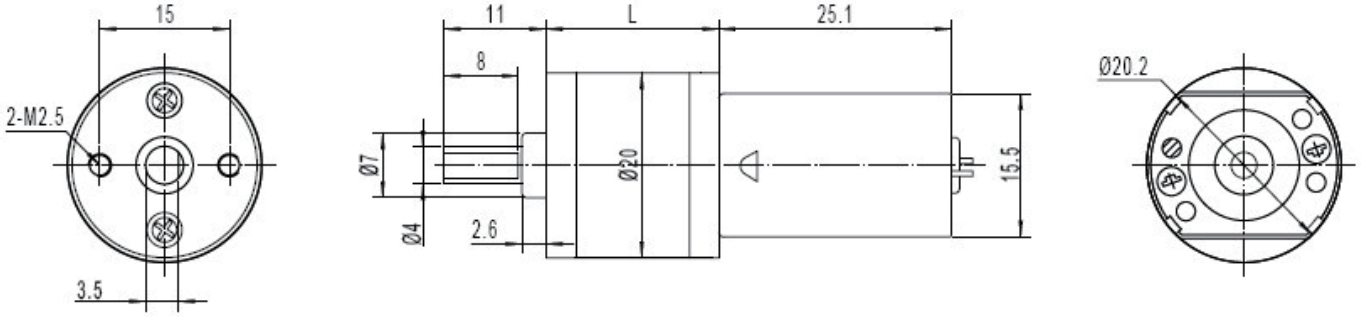


Electrical Specification

Model	Voltage	No Load		At Maximum Efficiency					Starting		
	Norminal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
		r/min	mA	r/min	mA	mN.m	g·cm	w	mN.m	g·cm	mA
LS-20GA130-10	12	1300	100	1000	350	14.7	150	1.5	78.4	800	1500
LS-20GA130-25	6	270	140	200	450	34.3	350	0.75	147	1500	1300
LS-20GA130-62	12	140	60	100	200	39.2	400	0.41	245	2500	500
LS-20GA130-25	12	750	130	550	1200	98	400	0.5	441	1200	4000
*Note: It's only typical technical data for reference, Motor's voltage, speed, torque, shaft dimension can be customized!											

Number Of Stages	3	4	5	6	7
Gear Ratio I	10	25	50	100	250
	12.5	31.25	62.5	125	312.5
			78.1	156.25	390.6
				195.3	488.3
Length Of Gearbox L (mm)	16	16	17.5	19	20.5

Mechanical Dimensions



LS-20GA180

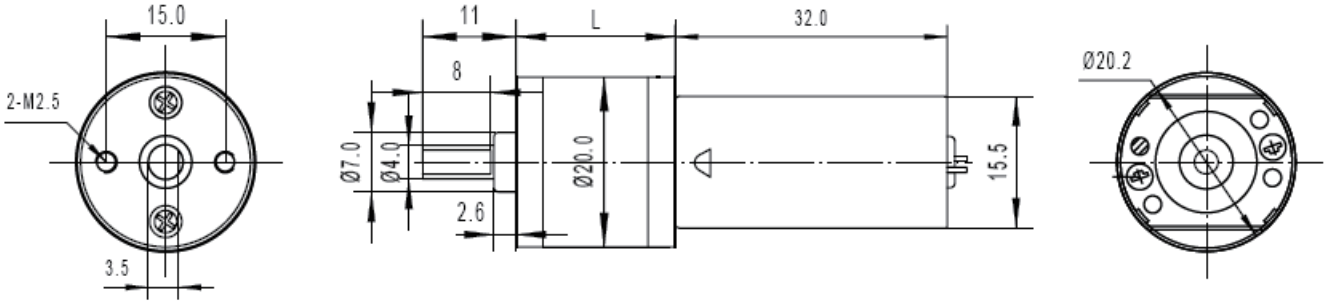


Electrical Specification

Model	Voltage	No Load		At Maximum Efficiency					Starting		
	Norminal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
		r/min	mA	r/min	mA	mN.m	g·cm	w	mN.m	g·cm	mA
LS-20GA180-78	12	450	480	390	650	98	1000	1.5	637	6500	3000
LS-20GA180-25	6	240	80	180	450	49	500	1	196	2000	2000
LS-20GA180-125	12	80	90	65	400	176.4	1800	1.2	441	4500	1800
LS-20GA180-312	6	25	120	20	450	382.2	3900	0.8	588	6000	2000
*Note: It's only typical technical data for reference, Motor's voltage, speed, torque, shaft dimension can be customized!											

Number Of Stages	3	4	5	6	7
Gear Ratio I	10	25	50	100	250
	12.5	31.25	62.5	125	312.5
			78.1	156.25	390.6
				195.3	488.3
Length Of Gearbox L (mm)	16	16	17.5	19	20.5

Mechanical Dimensions



LS-25GA310

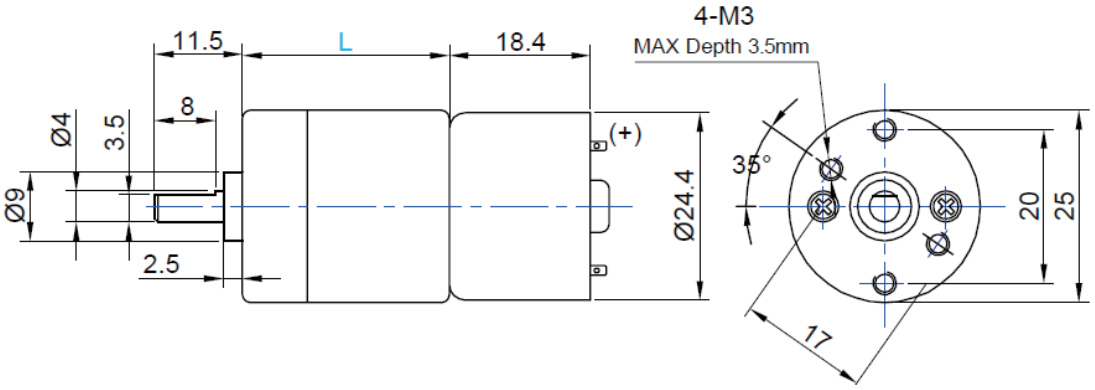


Electrical Specification

Model	Voltage	No Load		At Maximum Efficiency					Starting		
	Norminal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
		r/min	mA	r/min	mA	mN.m	g·cm	w	mN.m	g·cm	mA
LS-25GA310-78	12	16	50	12	170	61	630	0.08	274.4	2800	600
LS-25GA310-25	6	30	40	24	100	117.6	1200	0.3	588	6000	480
LS-25GA310-125	4.5	9	20	7	120	88.2	900	0.06	392	4000	200
*Note：It's only typical technical data for reference, Motor's voltage, speed, torque, shaft dimension can be customized!											

Number Of Stages	3	4	5	6	7	8
Gear Ratio I	9.7	16.1	26.9	59.2	130.1	286.3
	12.5	21.3	35.5	78.1	171.8	377.9
			46.9	103.1	226.8	498.9
Length Of Gearbox L (mm)	19	19	21	23	25	27

Mechanical Dimensions



LS-25GA370

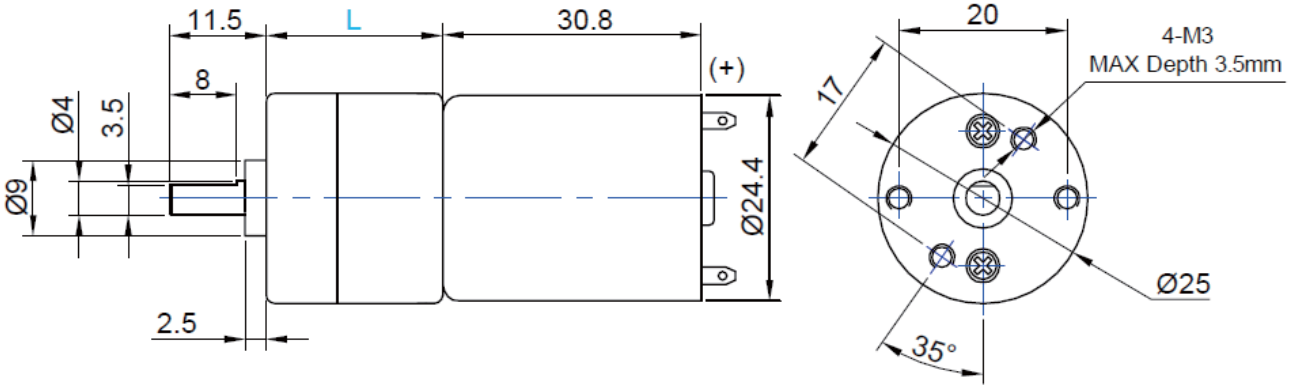


Electrical Specification

Model	Voltage	No Load		At Maximum Efficiency					Starting		
	Norminal	Speed	Current	Speed	Current	Torque		Output	Torque		Current
		r/min	mA	r/min	mA	mN.m	g·cm	w	mN.m	g·cm	mA
LS-25GA370-98	12	59	40	48	170	176	1800	0.88	941	9600	1060
LS-25GA370-274	12	20	35	16.6	137	436.1	4450	0.55	980	10000	450
LS-25GA370-362	12	200	55	180	110	147	1500	1.2	294	3000	400
*Note: It's only typical technical data for reference, Motor's voltage, speed, torque, shaft dimension can be customized!											

Number Of Stages	3	4	5	6	7	8
Gear Ratio I	9.7	16.1	26.9	59.2	130.1	286.3
	12.5	21.3	35.5	78.1	171.8	377.9
			46.9	103.1	226.8	498.9
Length Of Gearbox L (mm)	19	19	21	23	25	27

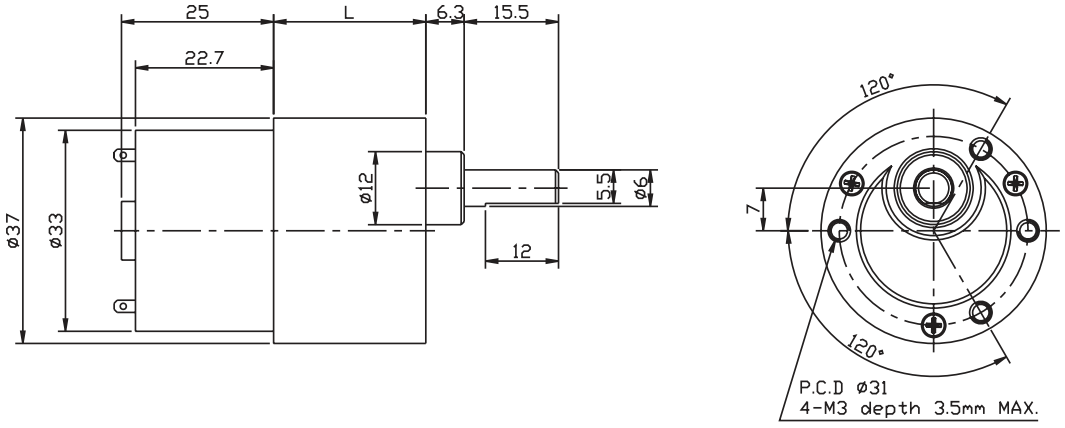
Mechanical Dimensions



PM-33 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	2、3 stages reduction	4、5 stages reduction	6、7 stages reduction
Reduction ratio	6、10；20、30	60、90；120、180、270	489、540、810；1620、2430
Gearbox length “L” mm	22.5	25 27	29
Max. Running torque	2Kgf • cm	10Kgf • cm	10Kgf • cm
Max. Gear breaking torque	8Kgf • cm	30Kgf • cm	30Kgf • cm
Max.Gearing efficiency	81%；73%	65%；59%	53%；48%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
PM-33123000	12	≤20	3000	≤110	2200	25	0.55	100	400
PM-33124500	12	≤30	4500	≤150	3300	35	1.2	140	850
PM-33126000	12	≤40	6000	≤400	4500	45	2.3	180	1400
PM-33243000	24	≤15	3000	≤60	2200	25	0.55	100	200
PM-33244500	24	≤20	4500	≤80	3300	35	1.2	140	420
PM-33246000	24	≤30	6000	≤200	4500	45	2.3	180	700

1、This table lists some motors parameters,others please refer to specific parameters of Page 114.
2、After connecting motor and gearbox which is named gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed /reduction ratio.

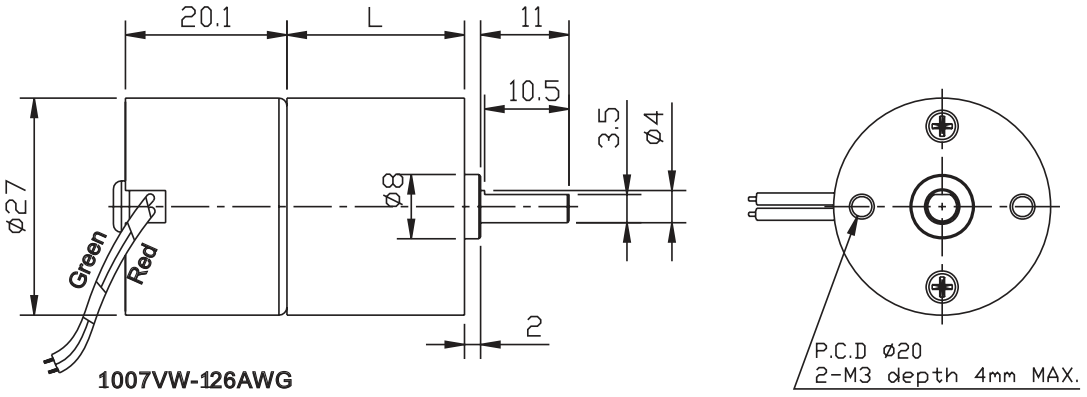
NOTE:

1、Gearmotor named methods: e.g. PM-33123000-90K Motor please refer to the motor data PM-33123000.Gearbox please refer to gearbox data reduction ratio 90.Related to gearmotor output speed and torque please refer to motor data.
2、Gearbox shell material:zinc alloy.
3、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
4、Standard output shaft after reducing:Φ6.0mm.other sizes of the output shaft can make as client request.
5、Chart only for reference,products shall prevail the entity.

SG-27 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	4 stages reduction	5 stages reduction	6 stages reduction	7 stages reduction
Reduction ratio	30、39	74、97	187、244	468、610
Gearbox length “L” mm	17.1	19.6	22.1	24.6
Max. Running torque	0.5Kgf • cm	1Kgf • cm	2Kgf • cm	3Kgf • cm
Max. Gear breaking torque	1.5Kgf • cm	3Kgf • cm	6Kgf • cm	9Kgf • cm
Max.Gearing efficiency	65%	59%	53%	48%
Other reduction ratio please telephone or e-mail to our engineering department.				

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
SG-27063800	6	≤30	3800	≤150	2850	16	0.46	64	500
SG-27065000	6	≤40	5000	≤250	3750	21	0.78	80	900
SG-27123800	12	≤15	3800	≤80	2850	16	0.46	64	250
SG-27125000	12	≤20	5000	≤130	3800	21	0.78	80	450
SG-27127600	12	≤40	7600	≤300	5700	31	1.8	120	1100
SG-27246000	24	≤25	6000	≤100	4500	24	1.1	95	320
1、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed / reduction ratio.									

NOTE:

1、Gearmotor named methods: e.g. SG-27063800-74K Motor please refer to the motor data SG-27063800.Gearbox please refer to gearbox data reduction ratio 74.Related to gearmotor output speed and torque please refer to motor data.

2、Gearbox shell material:zinc alloy.

3、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.

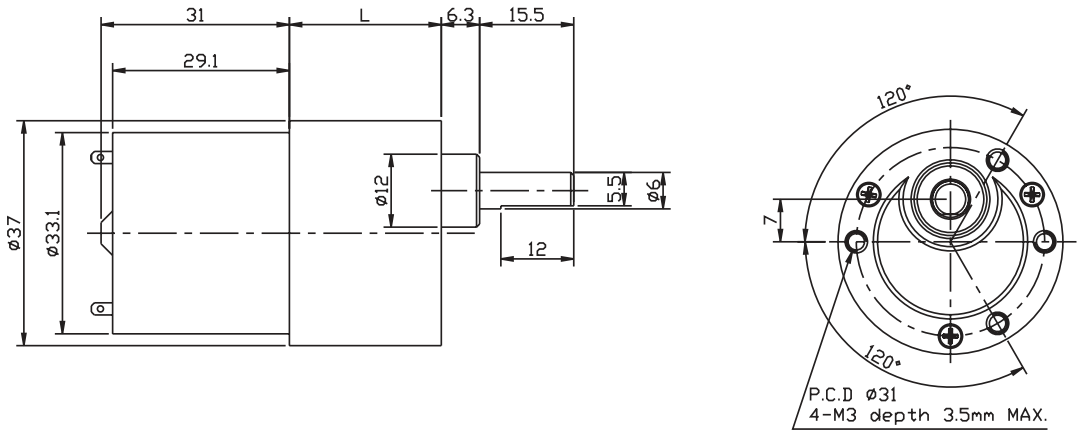
4、Standard output shaft after reducing:Φ4.0mm.other sizes of the output shaft can make as client request.

5、Chart only for reference,products shall prevail the entity.

TG-38 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	2、3 stages reduction	4、5 stages reduction	6、7 stages reduction
Reduction ratio	6、10；20、30	60、90；120、180、270	489、540、810；1620、2430
Gearbox length "L" mm	22.5	25 27	29
Max. Running torque	2Kgf • cm	10Kgf • cm	10Kgf • cm
Max. Gear breaking torque	8Kgf • cm	30Kgf • cm	30Kgf • cm
Max.Gearing efficiency	81%；73%	65%；59%	53%；48%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
TG-38123400	12	≤40	3400	≤180	2500	40	1.0	160	720
TG-38124500	12	≤60	4500	≤350	3300	60	2.0	210	1400
TG-38126000	12	≤70	6000	≤720	4500	80	3.6	300	2800
TG-38243000	24	≤15	3000	≤80	2200	40	0.9	140	320
TG-38244500	24	≤25	4500	≤180	3300	60	2.0	210	730
TG-38246700	24	≤45	6700	≤360	4500	80	3.6	300	1400
1、This table lists some motors parameters,others please refer to specific parameters of Page 115. 2、After connecting motor and gearbox which is named gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed / reduction ratio.									

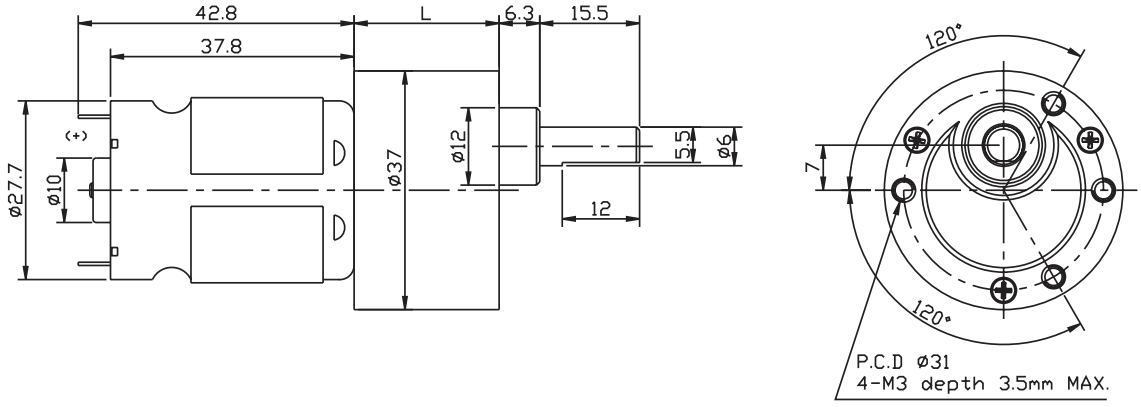
NOTE:

1、Gearmotor named methods: e.g. TG-38123400-90K Motor please refer to the motor data TG-38123400.Gearbox please refer to gearbox data reduction ratio 90.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 109.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ6.0mm.other sizes of the output shaft can make as client request.
6 Chart only for reference,products shall prevail the entity.

SG-385 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	2、3 stages reduction	4、5 stages reduction	6、7 stages reduction
Reduction ratio	6、10；20、30	60、90；120、180、270	489、540、810；1620、2430
Gearbox length “L” mm	22.5	25 27	29
Max. Running torque	2Kgf • cm	10Kgf • cm	10Kgf • cm
Max. Gear breaking torque	8Kgf • cm	30Kgf • cm	30Kgf • cm
Max.Gearing efficiency	81%；73%	65%；59%	53%；48%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
RS-385123000	12	≤45	3000	≤150	2200	35	0.8	140	450
RS-385124500	12	≤70	4500	≤300	3300	55	1.8	220	1200
RS-385126000	12	≤100	6000	≤600	4500	80	3.6	320	1900
RS-385243000	24	≤25	3000	≤70	2200	35	0.8	140	230
RS-385244500	24	≤40	4500	≤150	3300	55	1.8	220	600
RS-385246000	24	≤50	6000	≤300	4500	80	3.6	320	1000

1、This table lists some motors parameters,others please refer to specific parameters of Page 112.
2、After connecting motor and gearbox which is named gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed / reduction ratio.

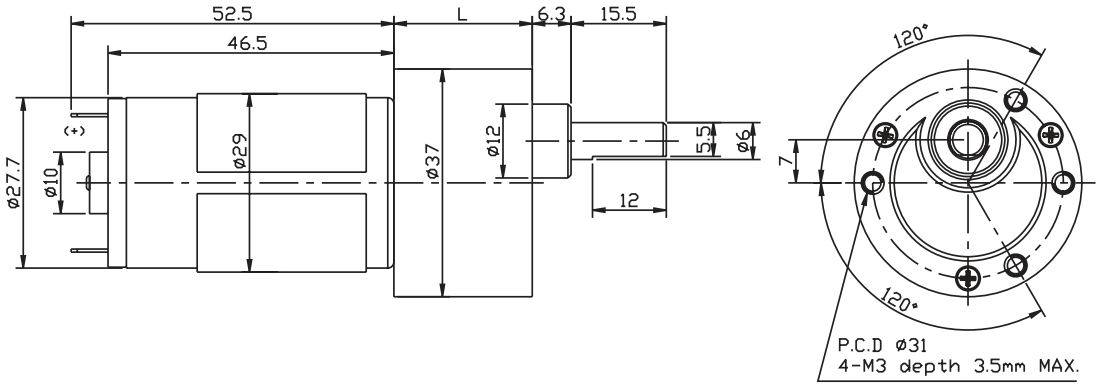
NOTE:

1、Gearmotor named methods: e.g. SG-385123000-90K Motor please refer to the motor data RS-385123000.Gearbox please refer to gearbox data reduction ratio 90.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 108.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ6.0mm.other sizes of the output shaft can make as client request.
6 Chart only for reference,products shall prevail the entity.

SG-395 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	2、3 stages reduction	4、5 stages reduction	6、7 stages reduction
Reduction ratio	6、10；20、30	60、90；120、180、270	489、540、810；1620、2430
Gearbox length "L" mm	22.5	25 27	29
Max. Running torque	2Kgf • cm	10Kgf • cm	10Kgf • cm
Max. Gear breaking torque	8Kgf • cm	30Kgf • cm	30Kgf • cm
Max.Gearing efficiency	81%；73%	65%；59%	53%；48%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
RS-395123000	12	≤60	3000	≤250	2200	65	1.4	260	800
RS-395124500	12	≤90	4500	≤430	3300	80	2.6	320	1400
RS-395126000	12	≤130	6000	≤750	4500	105	4.7	420	2600
RS-395243000	24	≤40	3000	≤120	2200	65	1.4	260	400
RS-395244500	24	≤50	4500	≤220	3300	80	2.6	320	700
RS-395246000	24	≤70	6000	≤380	4500	105	4.7	420	1400

1、This table lists some motors parameters,others please refer to specific parameters of Page 113.
2、After connecting motor and gearbox which is named gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed / reduction ratio.

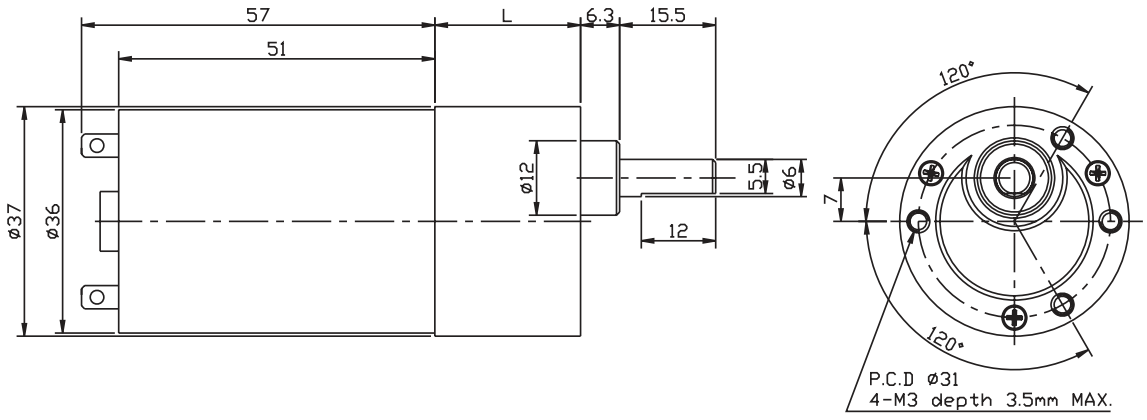
NOTE:

1、Gearmotor named methods: e.g. SG-395123000-90K Motor please refer to the motor data RS-395123000.Gearbox please refer to gearbox data reduction ratio 90.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 108.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ6.0mm.other sizes of the output shaft can make as client request.
6、Chart only for reference,products shall prevail the entity.

SG-545 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	2、3 stages reduction	4、5 stages reduction	6、7 stages reduction
Reduction ratio	6、10；20、30	60、90；120、180、270	489、540
Gearbox length "L" mm	23.5	26 28	30
Max. Running torque	2Kgf • cm	10Kgf • cm	10Kgf • cm
Max. Gear breaking torque	8Kgf • cm	30Kgf • cm	30Kgf • cm
Max.Gearing efficiency	81%；73%	65%；59%	53%；48%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
RS-545123000	12	≤110	3000	≤450	2200	100	2.2	400	1800
RS-545124500	12	≤220	4500	≤800	3300	150	4.9	600	3000
RS-545126000	12	≤350	6000	≤1500	4500	200	9.0	800	5500
RS-545243000	24	≤60	3000	≤230	2200	100	2.2	400	900
RS-545244500	24	≤110	4500	≤400	3300	150	4.9	600	1500
RS-545246000	24	≤150	6000	≤750	4500	200	9.0	800	3000

1、This table lists some motors parameters,others please refer to specific parameters of Page 116.
2、After connecting motor and gearbox which is named gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed / reduction ratio.

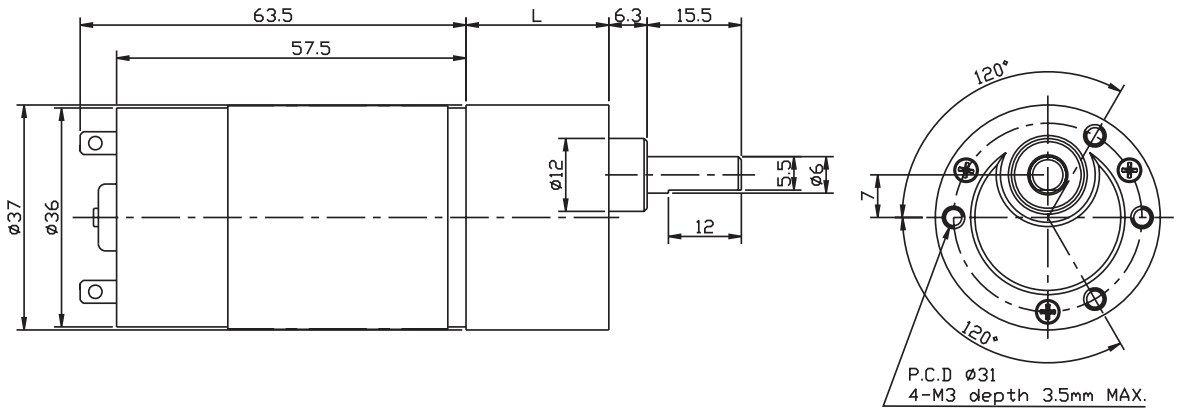
NOTE:

1、Gearmotor named methods: e.g. SG-545123000-90K Motor please refer to the motor data RS-545123000.Gearbox please refer to gearbox data reduction ratio 90.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 110.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ6.0mm.other sizes of the output shaft can make as client request.
6、Chart only for reference,products shall prevail the entity.

SG-555 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	2、3 stages reduction	4、5 stages reduction	6、7 stages reduction
Reduction ratio	6、10；20、30	60、90；120、180、270	489、540
Gearbox length “L” mm	23.5	26 28	30
Max. Running torque	2Kgf • cm	10Kgf • cm	10Kgf • cm
Max. Gear breaking torque	8Kgf • cm	30Kgf • cm	30Kgf • cm
Max.Gearing efficiency	81%；73%	65%；59%	53%；48%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

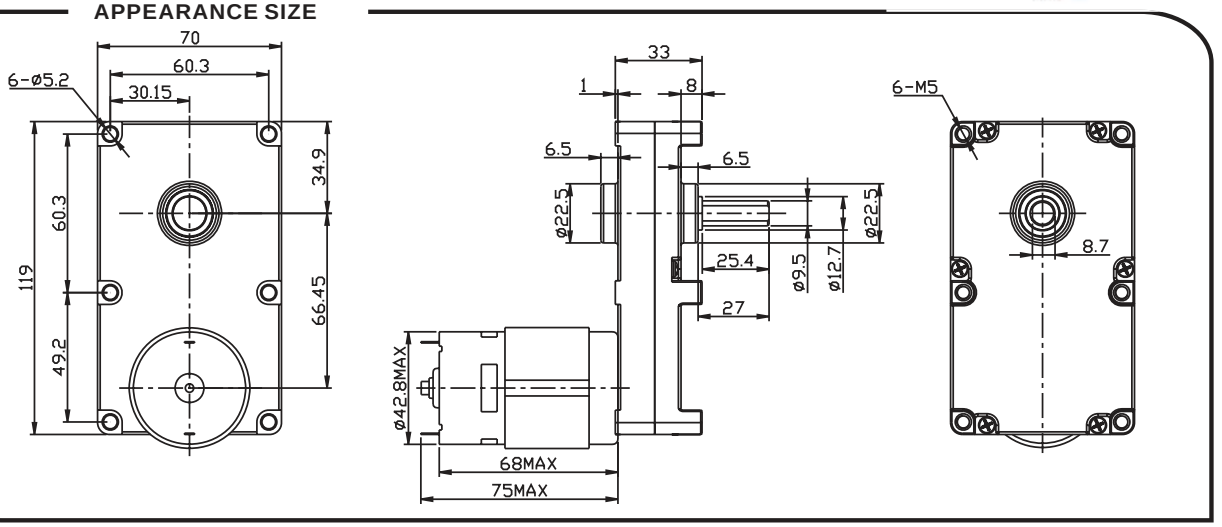
Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
RS-555123000	12	≤140	3000	≤800	2200	150	3.3	600	3000
RS-555124500	12	≤220	4500	≤1200	3300	220	7.2	880	4800
RS-555126000	12	≤350	6000	≤2000	4500	300	13.5	1200	6000
RS-555243000	24	≤70	3000	≤400	2200	150	3.3	600	1600
RS-555244500	24	≤110	4500	≤600	3300	220	7.2	880	3000
RS-555246000	24	≤180	6000	≤1000	4500	300	13.5	1200	4000

1、This table lists some motors parameters,others please refer to specific parameters of Page 117.
2、After connecting motor and gearbox which is named gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed / reduction ratio.

GF-775 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	4 stages reduction	4 stages reduction	5 stages reduction	6 stages reduction
Reduction ratio	251	389、590、722、897	1269、1601、1929	3385、5078
Max. Running torque	30Kgf • cm	50Kgf • cm	80Kgf • cm	100Kgf • cm
Max. Gear breaking torque	90Kgf • cm	150Kgf • cm	240Kgf • cm	300Kgf • cm
Max.Gearing efficiency	65%	65%	59%	53%
Other reduction ratio please telephone or e-mail to our engineering department.				

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	A
RS775123000	12	≤220	3000	≤1000	2200	350	7.7	1400	3.5
RS77512400	12	≤450	4500	≤2000	3300	500	16.5	2000	6.5
RS775126000	12	≤900	6000	≤4000	4500	750	34	3000	13.0
RS775243000	24	≤110	3000	≤500	2200	350	7.7	1400	1.8
RS775244500	24	≤230	4500	≤1000	3300	500	16.5	2000	3.3
RS775246000	24	≤450	6000	≤2000	4500	750	34	3000	7.0

1、This table lists some motors parameters,others please refer to specific parameters of Page 149.
2、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed /reduction ratio.

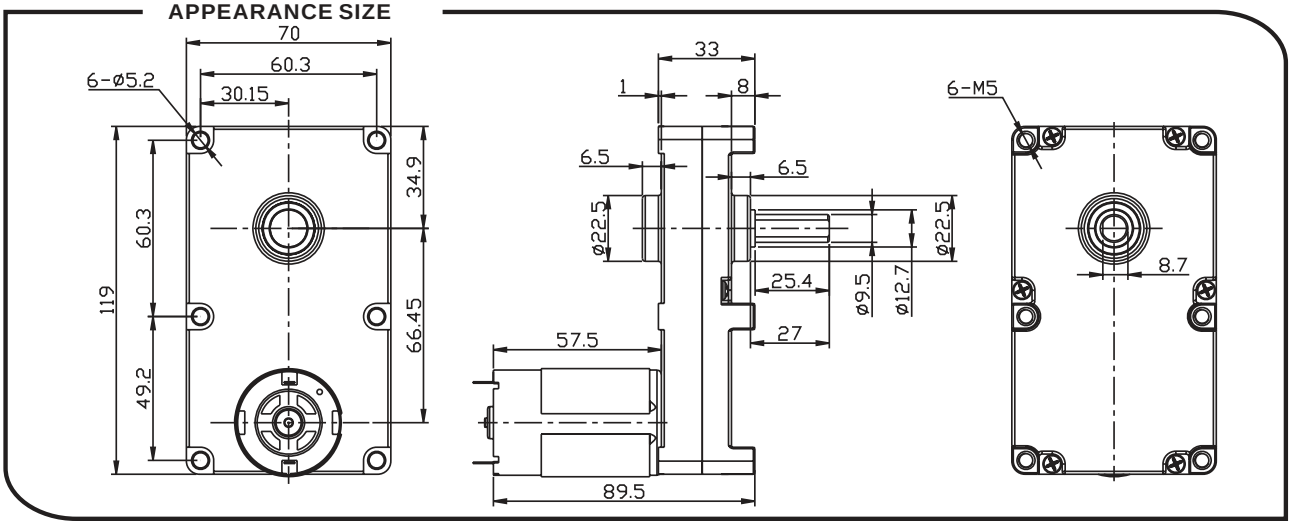
NOTE:

1、Gearmotor named methods: e.g. GF-775123000-722K Motor please refer to the motor data RS-775123000.Gearbox please refer to gearbox data reduction ratio 722.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 141.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ9.5mm.other sizes of the output shaft can make as client request.
6、Chart only for reference,products shall prevail the entity.

GF-555 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	4 stages reduction	4 stages reduction	5 stages reduction	6 stages reduction
Reduction ratio	251	389、590、722、897	1269、1601、1929	3385、5078
Max. Running torque	30Kgf • cm	50Kgf • cm	80Kgf • cm	100Kgf • cm
Max. Gear breaking torque	90Kgf • cm	150Kgf • cm	240Kgf • cm	300Kgf • cm
Max.Gearing efficiency	65%	65%	59%	53%
Other reduction ratio please telephone or e-mail to our engineering department.				

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
RS-555123000	12	≤140	3000	≤800	2200	150	3.3	600	3000
RS-555124500	12	≤220	4500	≤1200	3300	220	7.2	880	4800
RS-555126000	12	≤350	6000	≤2000	4500	300	13.5	1200	6000
RS-555243000	24	≤70	3000	≤400	2200	150	3.3	600	1600
RS-555244500	24	≤110	4500	≤600	3300	220	7.2	880	3000
RS-555246000	24	≤180	6000	≤1000	4500	300	13.5	1200	4000

1、This table lists some motors parameters,others please refer to specific parameters of Page 148.
2、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed /reduction ratio.

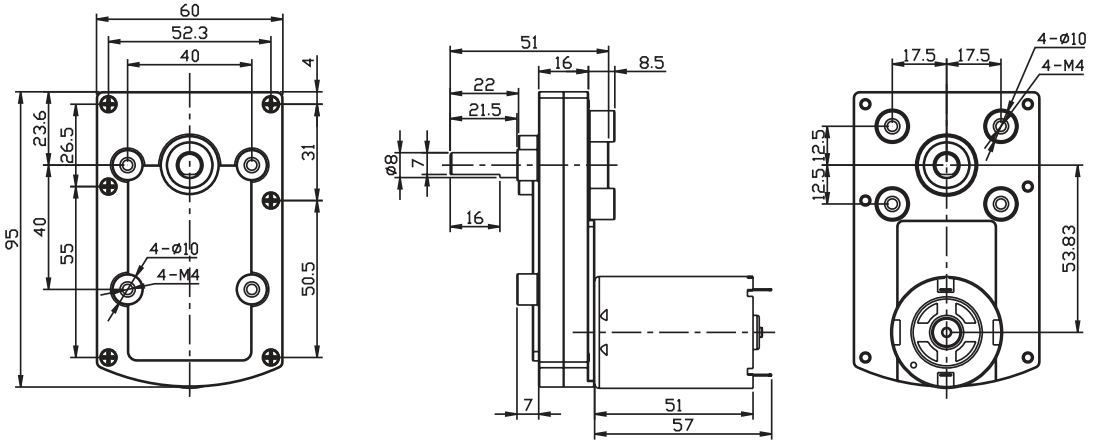
NOTE:

1、Gearmotor named methods: e.g. GF-555123000-722K Motor please refer to the motor data RS-555123000.Gearbox please refer to gearbox data reduction ratio 722.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 141.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ9.5mm.other sizes of the output shaft can make as client request.
6、Chart only for reference,products shall prevail the entity.

TT-545 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	36、66、94	149、196、211、 277、394	624、830、1166
Max. Running torque	5Kgf • cm	20Kgf • cm	50Kgf • cm
Max. Gear breaking torque	15Kgf • cm	60Kgf • cm	150Kgf • cm
Max.Gearing efficiency	73%	65%	59%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
RS-545123000	12	≤110	3000	≤450	2200	100	2.2	400	1800
RS-545124500	12	≤220	4500	≤800	3300	150	4.9	600	3000
RS-545126000	12	≤350	6000	≤1500	4500	200	9.0	800	5500
RS-545243000	24	≤60	3000	≤230	2200	100	2.2	400	900
RS-545244500	24	≤110	4500	≤400	3300	150	4.9	600	1500
RS-545246000	24	≤150	6000	≤750	4500	200	9.0	800	3000

1、This table lists some motors parameters,others please refer to specific parameters of Page 147.
2、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed / reduction ratio.

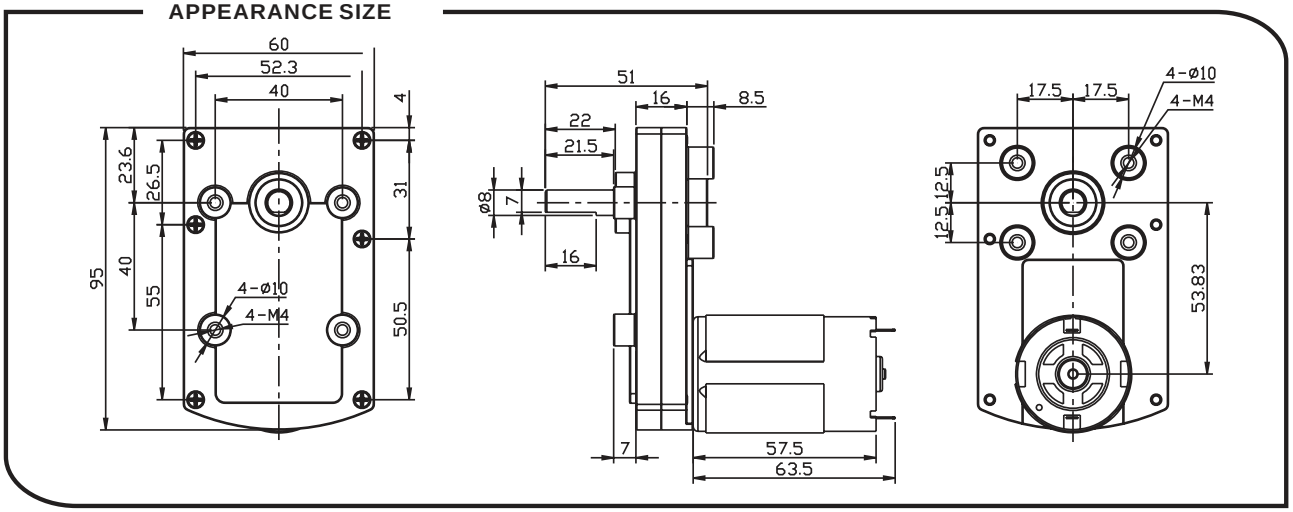
NOTE:

1、Gearmotor named methods: e.g. TT-545123000-94K Motor please refer to the motor data RS-545123000.Gearbox please refer to gearbox data reduction ratio 94.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 141.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ8.0mm.other sizes of the output shaft can make as client request.
6、Chart only for reference,products shall prevail the entity.

TT-555 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	36、66、94	149、196、211、 277、394	624、830、1166
Max. Running torque	5Kgf • cm	20Kgf • cm	50Kgf • cm
Max. Gear breaking torque	15Kgf • cm	60Kgf • cm	150Kgf • cm
Max.Gearing efficiency	73%	65%	59%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
RS-555123000	12	≤140	3000	≤800	2200	150	3.3	600	3000
RS-555124500	12	≤220	4500	≤1200	3300	220	7.2	880	4800
RS-555126000	12	≤350	6000	≤2000	4500	300	13.5	1200	6000
RS-555243000	24	≤70	3000	≤400	2200	150	3.3	600	1600
RS-555244500	24	≤110	4500	≤600	3300	220	7.2	880	3000
RS-555246000	24	≤180	6000	≤1000	4500	300	13.5	1200	4000

1、This table lists some motors parameters,others please refer to specific parameters of Page 148.
2、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed /reduction ratio.

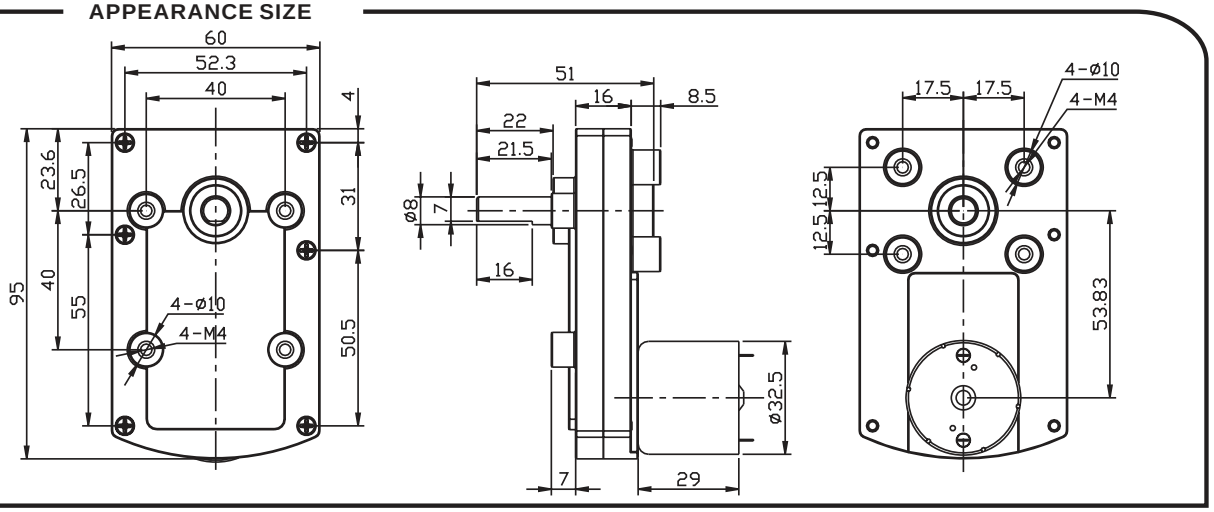
NOTE:

1、Gearmotor named methods: e.g. TT-555123000-94K Motor please refer to the motor data RS-555123000.Gearbox please refer to gearbox data reduction ratio 94.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 141.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ8.0mm.other sizes of the output shaft can make as client request.
6、Chart only for reference,products shall prevail the entity.

TT-38 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	36、66、94	149、196、211、 277、394	624、830、1166
Max. Running torque	5Kgf • cm	20Kgf • cm	50Kgf • cm
Max. Gear breaking torque	15Kgf • cm	60Kgf • cm	150Kgf • cm
Max.Gearing efficiency	73%	65%	59%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
TG-38123400	12	≤40	3400	≤180	2500	40	1.0	160	720
TG-38124500	12	≤60	4500	≤350	3300	60	2.0	210	1400
TG-38126000	12	≤70	6000	≤720	4500	80	3.6	300	2800
TG-38243000	24	≤15	3000	≤80	2200	40	0.9	140	320
TG-38244500	24	≤25	4500	≤180	3300	60	2.0	210	730
TG-38246700	24	≤45	6700	≤360	4500	80	3.6	300	1400
1、This table lists some motors parameters,others please refer to specific parameters of Page 146. 2、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed / reduction ratio.									

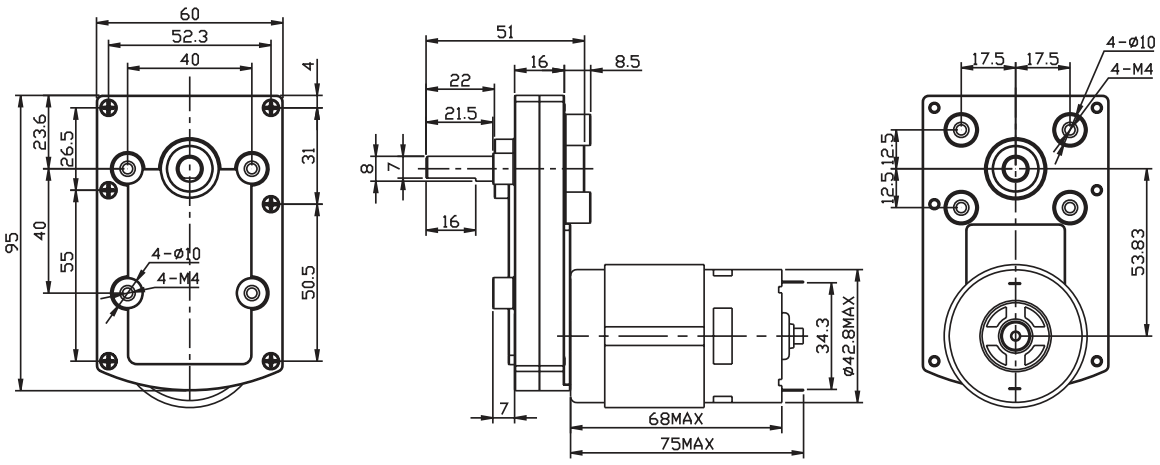
NOTE:

1、Gearmotor named methods: e.g. TT-38123400-94K Motor please refer to the motor data TG-38123400.Gearbox please refer to gearbox data reduction ratio 94.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 140.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ8.0mm.other sizes of the output shaft can make as client request.
6、Chart only for reference,products shall prevail the entity.

TT-775 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	36、66、94	149、196、211、 277、394	624、830、1166
Max. Running torque	5Kgf • cm	20Kgf • cm	50Kgf • cm
Max. Gear breaking torque	15Kgf • cm	60Kgf • cm	150Kgf • cm
Max.Gearing efficiency	73%	65%	59%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	A
RS-775123000	12	≤220	3000	≤1000	2200	350	7.7	1400	3.5
RS-7751245 00	12	≤450	4500	≤2000	3300	500	16.5	2000	6.5
RS-775126000	12	≤900	6000	≤4000	4500	750	34	3000	13.0
RS-775243000	24	≤110	3000	≤500	2200	350	7.7	1400	1.8
RS-775244500	24	≤230	4500	≤1000	3300	500	16.5	2000	3.3
RS-775246000	24	≤450	6000	≤2000	4500	750	34	3000	7.0

1、This table lists some motors parameters,others please refer to specific parameters of Page 149.
2、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed /reduction ratio.

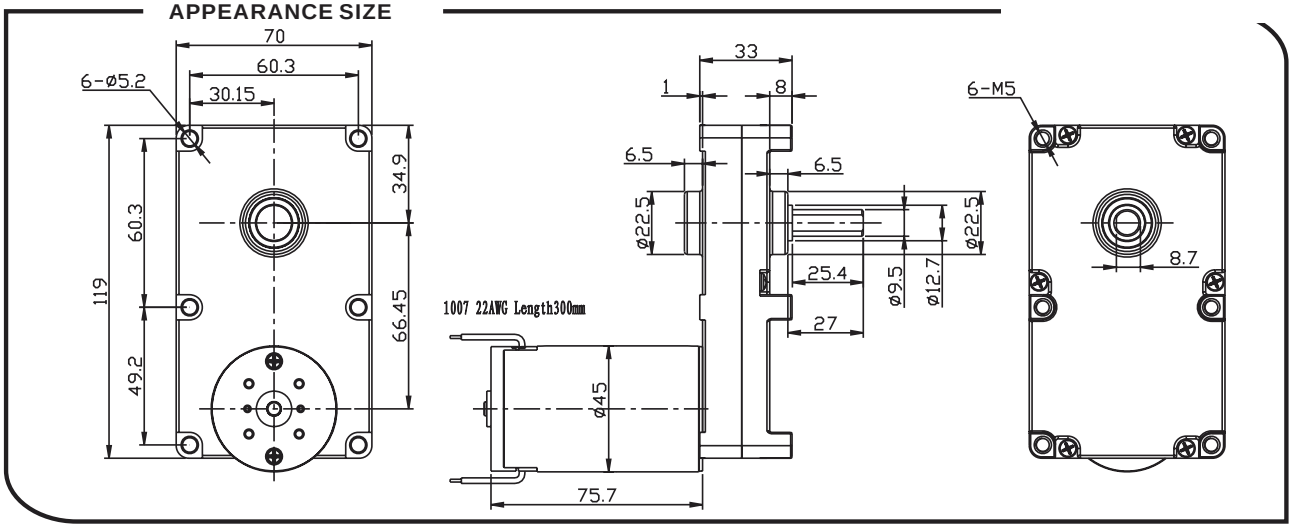
NOTE:

1、Gearmotor named methods: e.g. TT-775123000-94K Motor please refer to the motor data RS-775123000.Gearbox please refer to gearbox data reduction ratio 94.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 141.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ8.0mm.other sizes of the output shaft can make as client request.
6、Chart only for reference,products shall prevail the entity.



GF-45ZY DC GEAR MOTOR Series

APPEARANCE SIZE



Gearbox data:

Number of stages	4 stages reduction	4 stages reduction	5 stages reduction	6 stages reduction
Reduction ratio	251	389、590、722、897	1269、1601、1929	3385、5078
Max. Running torque	30Kgf • cm	50Kgf • cm	80Kgf • cm	100Kgf • cm
Max. Gear breaking torque	90Kgf • cm	150Kgf • cm	240Kgf • cm	300Kgf • cm
Max.Gearing efficiency	65%	65%	59%	53%
Other reduction ratio please telephone or e-mail to our engineering department.				

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	A
45ZY123000	12	≤250	3000	≤1700	2200	550	12.0	2200	6.5
45ZY124500	12	≤400	4500	≤3600	3300	800	26.4	3200	12.5
45ZY126000	12	≤70 0	6000	≤6900	4500	1100	49.5	4400	25
45ZY243000	24	≤180	3000	≤850	2200	550	12.0	2200	6.5
45ZY244500	24	≤280	4500	≤1800	3300	800	26.4	3200	6.3
45ZY246000	24	≤350	6000	≤3500	4500	1100	49.5	4400	13

1、This table lists some motors parameters,others please refer to specific parameters of Page 153.
2、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed / reduction ratio.

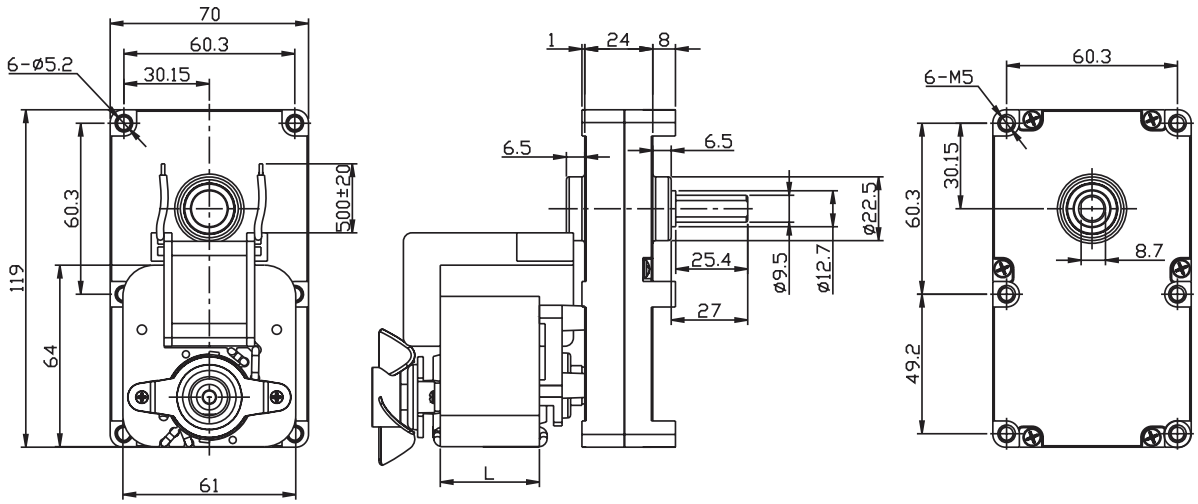
NOTE:

1、Gearmotor named methods: e.g. GF-45ZY123000-722K Motor please refer to the motor data 45ZY123000.Gearbox please refer to gearbox data reduction ratio 722.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 138.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ9.5mm.other sizes of the output shaft can make as client request.
6、Chart only for reference,products shall prevail the entity.

GF-YJ61Series
SHADEPOLEMOTOR



APPEARANCE SIZE



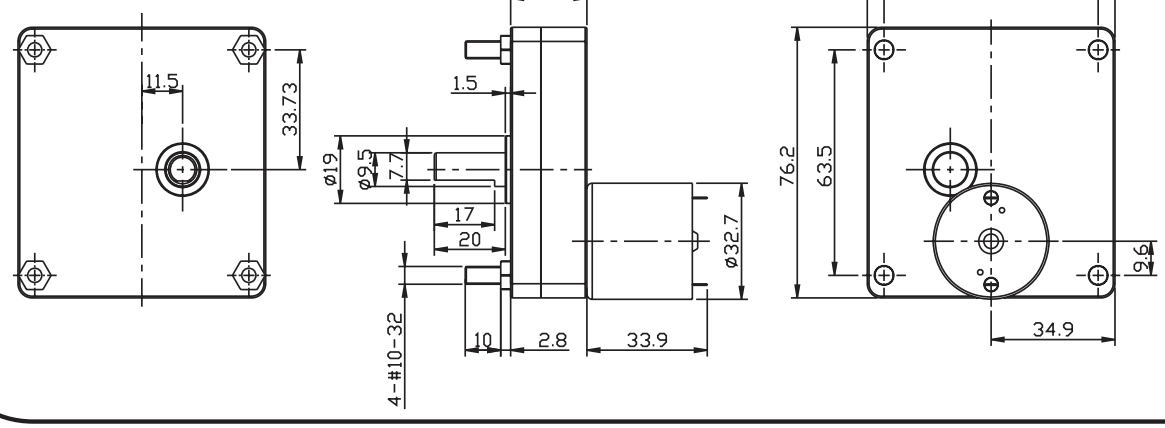
GEARED MOTOR TORQUE/SPEED

Reductionratio	1/251	1/389	1/590	1/722	1/897	1/1269	1/1601	1/1929	1/2708	1/3385	1/5078
Numberofgeartrans	4					5				6	
Ratedspeed(rpm)at60Hz	11.1	7.1	4.7	3.8	3.1	2.2	1.7	1.4	1.0	0.8	0.5
GF-YJ61-10 L=10.5 (Kgf • cm) Rated torque	9.8	15.2	23.0	28.2	35.0	44.9	56.7	68.2	95.9	108	161
GF-YJ61-12 L=12 (Kgf • cm) Rated torque	13.1	20.2	30.7	37.5	46.6	59.9	75.6	90.9	127	144	200
GF-YJ61-14 L=14.5 (Kgf • cm) Rated torque	16.3	25.3	38.3	46.9	58.3	74.9	94.5	113	159	179	200
GF-YJ61-16 L=16.5 (Kgf • cm) Rated torque	22.8	35.4	53.7	65.7	81.6	104	132	159	200	200	200
GF-YJ61-20 L=20.5 (Kgf • cm) Rated torque	29.4	45.5	69.0	84.5	105	134	170	200	200	200	200
GF-YJ61-25 L=25.5 (Kgf • cm) Rated torque	35.9	55.6	84.4	103	128	164	200	200	200	200	200
GF-YJ61-30 L=30.5 (Kgf • cm) Rated torque	45.7	70.8	107	131	163	200	200	200	200	200	200
GF-YJ61-35 L=35.5 (Kgf • cm) Rated torque	57.1	88.5	134	164	200	200	200	200	200	200	200
GF-YJ61-40 L=40 (Kgf • cm) Rated torque	65.3	101	153	187	200	200	200	200	200	200	200
GF-YJ61-50 L=50 (Kgf • cm) Rated torque	84.8	131	199	200	200	200	200	200	200	200	200
Note	Voltage can make as customers' request										
Packing Details	CTN size:31X30XH28CM 12pcs/CTN N.W. 20Kgs										

VFO-38 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	4 stages reduction	5 stages reduction	7 stages reduction
Reduction ratio	212、307、409	765、818、1105、1228	3061、4592、6632、9948
Max. Running torque	1.5Kgf • cm	5Kgf • cm	10Kgf • cm
Max. Gear breaking torque	4.5Kgf • cm	15Kgf • cm	30Kgf • cm
Max.Gearing efficiency	65%	59%	48%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
TG-38123400	12	≤40	3400	≤180	2500	40	1.0	160	720
TG-38124500	12	≤60	4500	≤350	3300	60	2.0	210	1400
TG-38126000	12	≤70	6000	≤720	4500	80	3.6	300	2800
TG-38243000	24	≤15	3000	≤80	2200	40	0.9	140	320
TG-38244500	24	≤25	4500	≤180	3300	60	2.0	210	730
TG-38246700	24	≤45	6700	≤360	4500	80	3.6	300	1400

1、This table lists some motors parameters,others please refer to specific parameters of Page 146.
2、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed /reduction ratio.

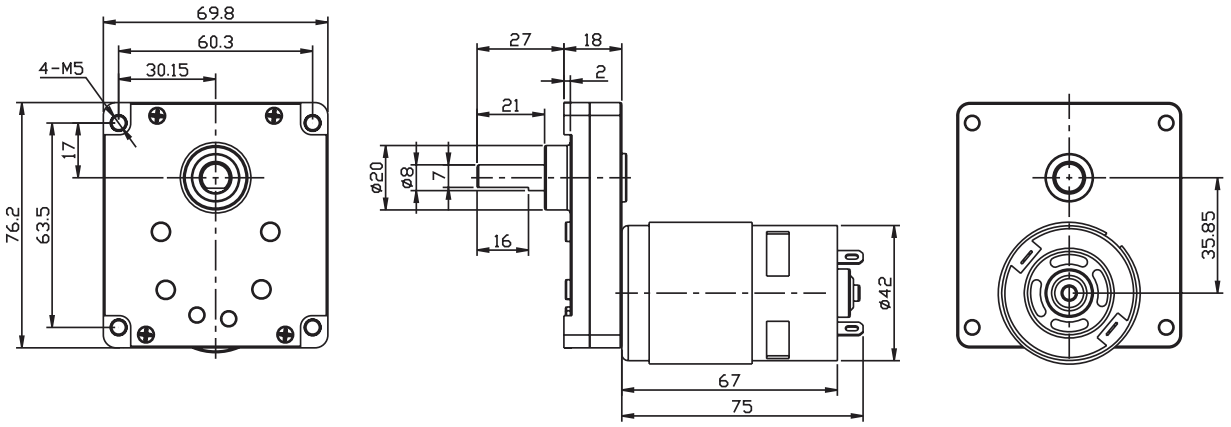
NOTE:

1、Gearmotor named methods: e.g. VFO-38123400-1105K Motor please refer to the motor data TG-38123400.Gearbox please refer to gearbox data reduction ratio 1105.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 140.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ9.5mm.other sizes of the output shaft can make as client request.
6、Chart only for reference,products shall prevail the entity.

VF-775 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	36、66、94	139、155、196、 219、277	322、392、456、555、833
Max. Running torque	10Kgf • cm	20Kgf • cm	30Kgf • cm
Max. Gear breaking torque	30Kgf • cm	60Kgf • cm	90Kgf • cm
Max.Gearing efficiency	73%	65%	59%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	A
RS-775123000	12	≤220	3000	≤1000	2200	350	7.7	1400	3.5
RS-7751245 00	12	≤450	4500	≤2000	3300	500	16.5	2000	6.5
RS-775126000	12	≤900	6000	≤4000	4500	750	34	3000	13.0
RS-775243000	24	≤110	3000	≤500	2200	350	7.7	1400	1.8
RS-775244500	24	≤230	4500	≤1000	3300	500	16.5	2000	3.3
RS-775246000	24	≤450	6000	≤2000	4500	750	34	3000	7.0

1、This table lists some motors parameters,others please refer to specific parameters of Page 149.
2、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed /reduction ratio.

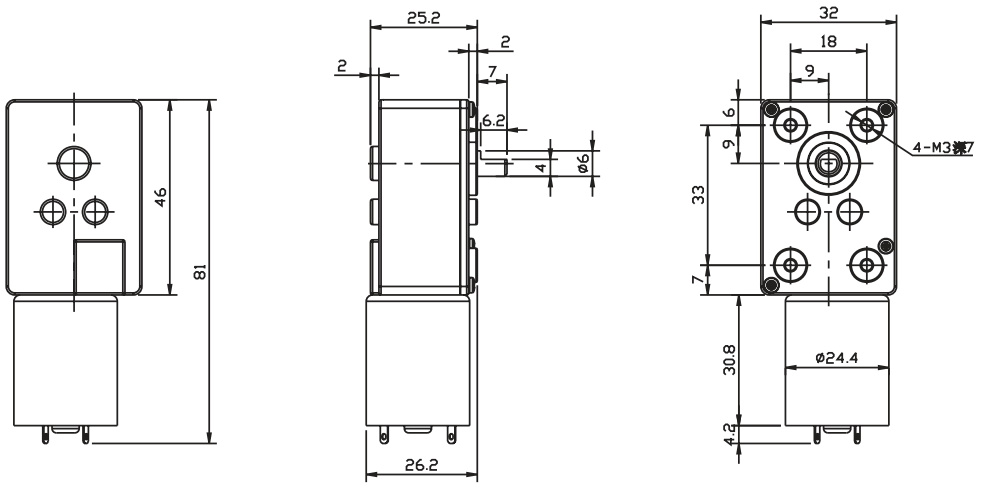
NOTE:

1、Gearmotor named methods: e.g. VF-775123000-94K Motor please refer to the motor data RS-775123000.Gearbox please refer to gearbox data reduction ratio 94.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 141.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
、 Φ
6、Chart only for reference,products shall prevail the entity.
5 Standard output shaft after reducing: 8.0mm.other sizes of the output shaft can make as client request.

WGM370 DC GEAR MOTOR Series



APPEARANCE SIZE



Gearbox data:

Number of stages	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	276	552、828	649、1656、2484
Max. Running torque	2Kgf • cm	5Kgf • cm	10Kgf • cm
Max. Gear breaking torque	6Kgf • cm	15Kgf • cm	30Kgf • cm
Max.Gearing efficiency	73%	65%	59%
Other reduction ratio please telephone or e-mail to our engineering department.			

Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf • cm	W	gf • cm	mA
RF-370063000	6	≤15	3000	≤100	2200	15	0.33	60	600
RF-370064500	6	≤25	4500	≤270	3300	24	0.8	90	1200
RF-370066000	6	≤40	6000	≤500	4500	30	1.4	120	1900
RF-370123000	12	≤15	3000	≤55	2200	15	0.33	60	280
RF-370126000	12	≤20	6000	≤250	4500	30	1.4	120	1200
RF-370246000	24	≤30	6000	≤130	4500	30	1.4	120	550
1、This table lists some motors parameters,others please refer to specific parameters of Page 142. 2、After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;output speed:motor speed / reduction ratio.									

NOTE:

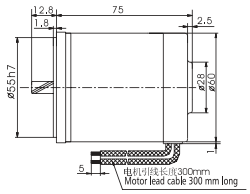
1、Gearmotor named methods: e.g. WGM370123000-276K Motor please refer to the motor data RF-370123000.Gearbox please refer to gearbox data reduction ratio 276.Related to gearmotor output speed and torque please refer to motor data.
2、Gearbox shell material:zinc alloy.
3、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45# steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
4、Standard output shaft after reducing:Φ6.0mm.other sizes of the output shaft can make as client request.
5、Chart only for reference,products shall prevail the entity.

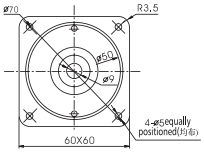
Motor Performance Parameters

Model	Voltage	Power	No-load Parameters		Load Parameters			Brush Life	Motor Weight
			Speed	Current	Speed	Torque	Current		
	v	w	r/min	A	r/min	mN.m	A	H	kg
Z2D06-12 □	12	6	3200	0.6	2950	19	0.8	2000	0.6
Z2D06-24 □	24	6	3200	0.3	2950	19	0.5	2000	0.6
Z2D06-90 □	90	6	3000	0.2	2800	20	0.3	2000	0.6
Z2D10-12 □	12	10	3200	1.0	2800	32	2.0	2000	0.7
Z2D10-24 □	24	10	3300	0.5	3000	24	0.9	2000	0.7
Z2D10-90 □	90	10	3200	0.3	2800	32	0.6	2000	0.7

* Note: It's only typical technical data,special requirement can be customized.

Motor Dimension





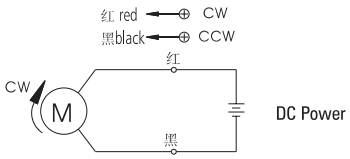


Gearbox Torque and Speed

Model of Gearbox: 2GN□K

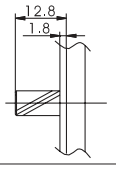
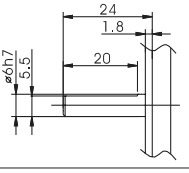
Model	Reduction Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Z2D06-24 □	Output Shaft Speed	r/min	1067	889	640	533	427	356	320	256	213	178	160	128	107	89	80	64	53	43	36	32	27	21	18	16
Z2D10-24 □	Allowable Torque	N.m	0.04	0.05	0.07	0.09	0.11	0.13	0.15	0.18	0.22	0.26	0.26	0.33	0.39	0.47	0.52	0.65	0.71	0.89	1.06	1.18	1.42	1.77	2.13	2.36
		kgf.cm	0.44	0.53	0.74	0.89	1.11	1.33	1.48	1.85	2.22	2.66	2.68	3.33	4.00	4.80	5.34	6.67	7.24	9.04	10.85	12.06	14.47	18.09	21.71	24.12

Wiring Diagram

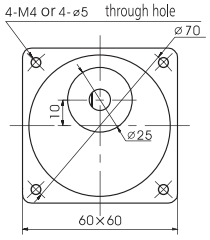


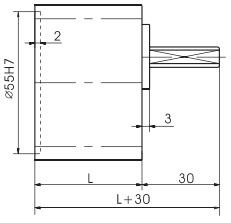
DC Power

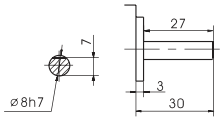
Bare Motor Output Shaft Dimension

Model	Gear Shaft Z2D06-□GN Z2D10-□GN	Flat type Z2D06-□A Z2D10-□A
Output Shaft Type and Dimension		

Gearbox Dimension



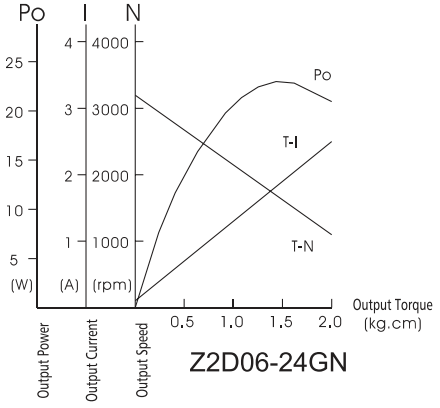




Detailed gearbox output shaft dimension

	Reduction Ratio	L(mm)	Q(kg)
Gearbox	2GN3K-GN18K	32	0.24
	2GN20K-GN50K	42	0.30
	2GN60K-GN200K		0.33

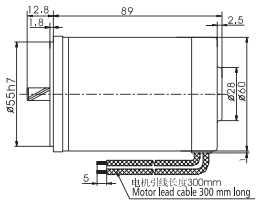
Characteristic Curve

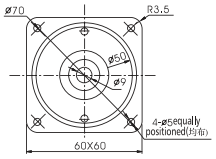


Motor Performance Parameters

Model	Voltage	Power	No-load Parameters		Load Parameters			Brush Life	Motor Weight
			Speed	Current	Speed	Torque	Current		
	v	w	r/min	A	r/min	mN.m	A	H	kg
Z2D15-12 □	12	15	3200	0.8	2950	48	2.0	2000	0.9
Z2D15-24 □	24	15	3300	0.4	3000	48	1.0	2000	0.9
Z2D15-90 □	90	15	3200	0.2	3000	48	0.4	2000	0.9
* Note: It's only typical technical data,special requirement can be customized.									

Motor Dimension





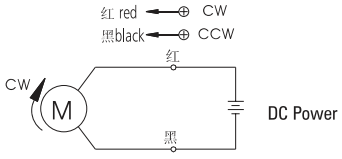


Gearbox Torque and Speed

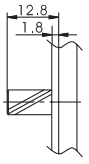
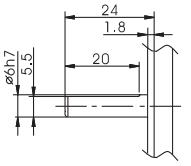
Model of Gearbox: 2GN□K

Model	Reduction Ratio		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
Z2D15-24 □	Output Shaft Speed	r/min	1100	917	660	550	440	367	330	264	220	183	165	132	110	92	83	66	55	44	37	33	28	22	18	17
	Allowable Torque	N.m	0.11	0.13	0.176	0.21	0.26	0.32	0.35	0.44	0.53	0.63	0.63	0.73	0.95	1.14	1.27	1.59	1.72	2.15	2.58	2.87	2.94	2.94	2.94	2.94
		kgf.cm	1.08	1.29	1.79	2.15	2.69	3.23	3.59	4.48	5.38	6.46	6.47	8.08	9.70	11.64	12.93	16.17	17.54	21.93	26.31	29.23	30.0	30.0	30.0	30.0

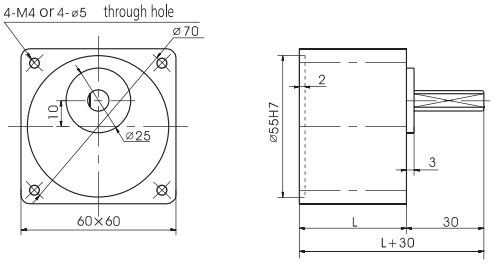
Wiring Diagram

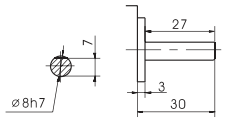


Bare Motor Output Shaft Dimension

Model	Gear Shaft Z2D15-□GN	Flat type Z2D15-□A
Output Shaft Type and Dimension		

Gearbox Dimension

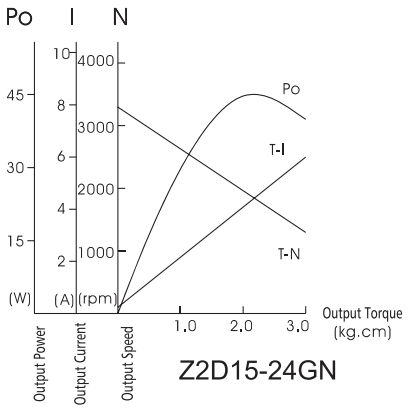




Detailed gearbox output shaft dimension

	Reduction Ratio	L(mm)	Q(kg)
Gearbox	2GN3K-GN18K	32	0.24
	2GN20K-GN50K	42	0.30
	2GN60K-GN200K		0.33

Characteristic Curve



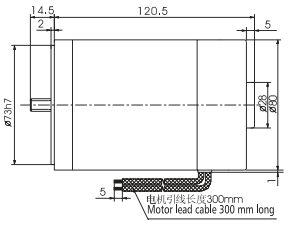
Z2D15-24GN

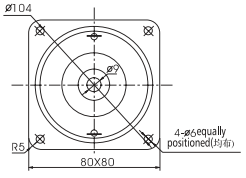
Motor Performance Parameters

Model	Voltage	Power	No-load Parameters		Load Parameters			Brush Life	Motor Weight
			Speed	Current	Speed	Torque	Current		
	v	w	r/min	A	r/min	mN.m	A	H	kg
Z4D25-12□	12	25	3200	1.4	3100	77	3.6	2000	1.7
Z4D25-24□	24	25	3000	0.7	2850	84	1.7	2000	1.7
Z4D25-90□	90	25	3200	0.2	3000	80	0.5	2000	1.7

* Note: It's only typical technical data,special requirement can be customized.

Motor Dimension





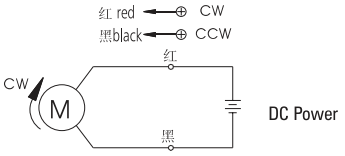


Gearbox Torque and Speed

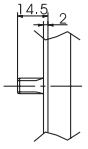
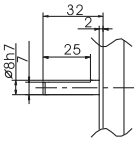
Model of Gearbox: 2GN□K

Model	Reduction Ratio		3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
Z4D25-24□	Output Shaft Speed	r/min	950	791	570	475	380	316	228	190	158	114	95	79	57	47	38	31	28	23	19	15	14
	Allowable Torque	N.m	0.20	0.24	0.33	0.41	0.50	0.61	0.84	1.01	1.22	1.52	1.83	2.20	3.05	3.31	4.14	4.97	5.52	6.63	8.0	8.0	8.0
		kgf.cm	2.07	2.49	3.46	4.15	5.19	6.23	8.65	10.3	12.4	15.6	18.7	22.4	31.2	33.8	42.3	50.7	56.4	67.7	8.0	8.0	8.0

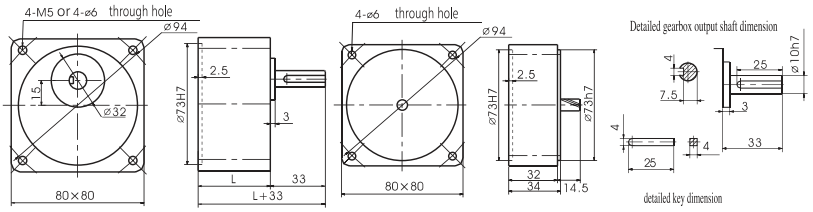
Wiring Diagram



Bare Motor Output Shaft Dimension

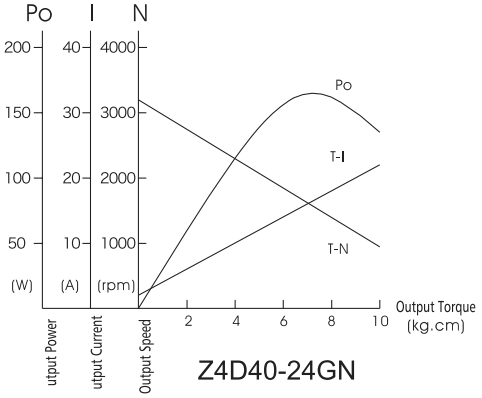
Model	Gear Shaft Z4D25-□GN	Flat type Z4D25-□A
Output Shaft Type and Dimension		

Gearbox Dimension



	Reduction Ratio	L(mm)	Q(kg)
Gearbox	5GN3K-GN18K	32	0.43
	5GN20K-GN36K	43.5	0.57
	5GN40K-GN200K		0.61
Intermediate Gearbox	4GN10X	32	0.43

Characteristic Curve

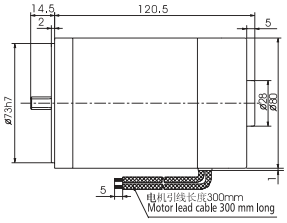


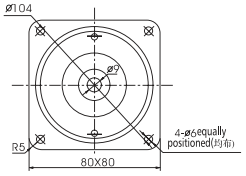
Z4D40-24GN

Motor Performance Parameters

Model	Voltage	Power	No-load Parameters		Load Parameters			Brush Life	Motor Weight
			Speed	Current	Speed	Torque	Current		
	v	w	r/min	A	r/min	mN.m	A	H	kg
Z4D40-12 □	12	40	3100	2.0	2800	136	5.2	2000	1.8
Z4D40-24 □	24	40	3100	0.8	3000	127	2.1	2000	1.8
Z4D40-90 □	90	40	3200	0.3	3000	127	0.7	2000	1.8
* Note: It's only typical technical data,special requirement can be customized.									

Motor Dimension





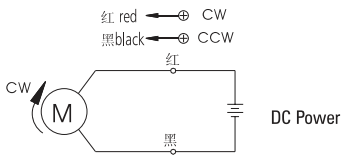


Gearbox Torque and Speed

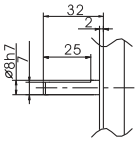
Model of Gearbox: 2GN□K

Model	Reduction Ratio		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
Z4D40-24 □	Output Shaft Speed	r/min	1033	861	620	517	413	344	310	248	207	172	155	124	103	86	78	62	52	41	34	31	26	21	17	16
	Allowable Torque	N.m	0.30	0.36	0.50	0.60	0.75	0.90	1.00	1.25	1.50	1.80	2.00	2.25	2.70	3.24	3.60	4.50	4.88	6.10	7.32	8.13	9.76	9.8	9.8	9.8
		kgf.cm	3.06	3.67	5.09	6.1	7.64	9.17	10.2	12.73	15.28	18.33	20.36	22.95	27.54	33.04	36.71	45.90	49.80	62.24	74.69	80.00	80.00	80.00	80.00	80.00

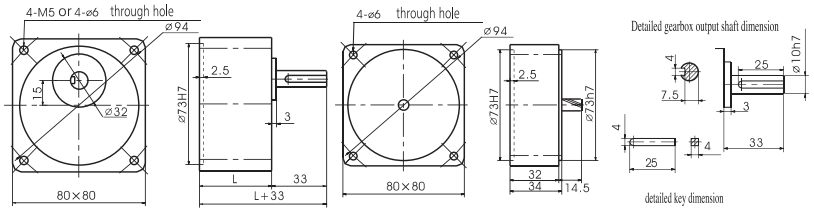
Wiring Diagram



Bare Motor Output Shaft Dimension

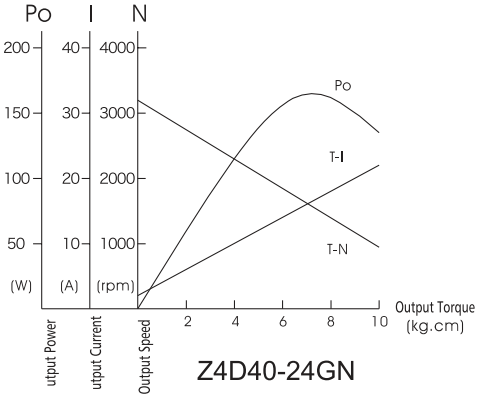
Model	Gear Shaft Z4D40-□GN	Flat type Z4D40-□A
Output Shaft Type and Dimension		

Gearbox Dimension



	Reduction Ratio	L(mm)	Q(kg)
Gearbox	5GN3K-GN18K	32	0.43
	5GN20K-GN36K	43.5	0.57
	5GN40K-GN200K		0.61
Intermediate Gearbox	4GN10X	32	0.43

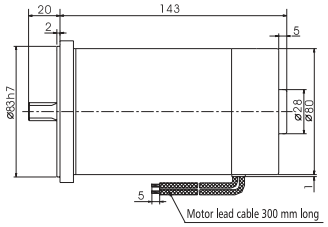
Characteristic Curve

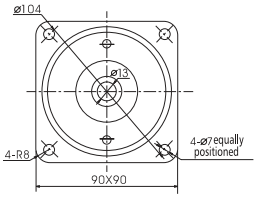


Motor Performance Parameters

Model	Voltage	Power	No-load Parameters		Load Parameters			Brush Life	Motor Weight
			Speed	Current	Speed	Torque	Current		
	v	w	r/min	A	r/min	mN.m	A	H	kg
Z5D60-12□	12	60	3000	2.0	2600	220	9.0	2000	2.2
Z5D60-24□	24	60	3100	1.0	2800	205	3.5	2000	2.2
Z5D60-90□	90	60	3100	0.3	2900	198	1.0	2000	2.2
* Note: It's only typical technical data,special requirement can be customized.									

Motor Dimension





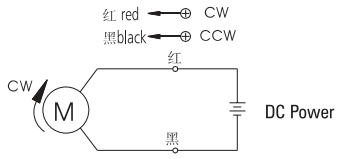


Gearbox Torque and Speed

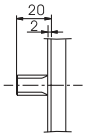
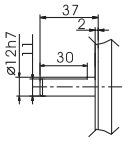
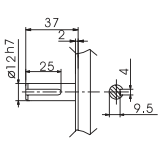
Model of Gearbox: 2GN□K

Model	Reduction Ratio		3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
Z5D60-24□	Output Shaft Speed	r/min	933	777	560	466	373	311	224	186	155	112	93	77	56	46	37	31	28	23	18	15	14
	Allowable Torque	N.m	0.49	0.59	0.82	0.99	1.24	1.49	1.86	2.24	2.68	3.37	4.05	4.86	6.75	8.10	10.1	10.8	12.0	14.4	18.1	20.0	20.0
		kgf.cm	5.07	6.08	8.45	10.1	12.6	15.2	19.0	22.8	27.4	34.3	41.3	49.6	68.9	82.6	103	110	123	147	184	200	200

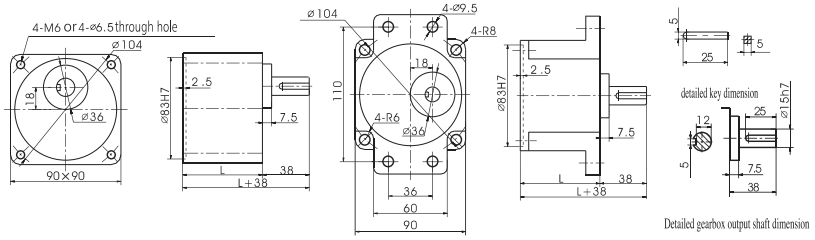
Wiring Diagram



Bare Motor Output Shaft Dimension

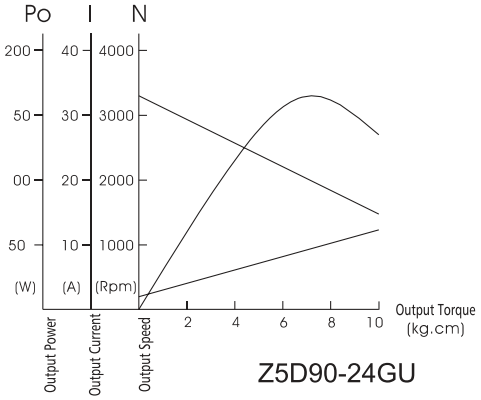
Model	Gear Shaft Z5D60-□GU	Flat type Z5D60-□A	Bare Shaft Z5D60-□A1
Output Shaft Type and Dimension			

Gearbox Dimension



	Reduction Ratio	L(mm)	Q(kg)
Gearbox	5GU3K-GU9K	65	1.21
	5GU10K-GU18K		1.30
	5GU20K-GU75K		1.40
	5GU90K-GU200K		1.45

Characteristic Curve

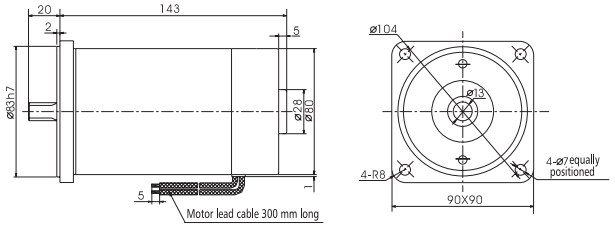


DC Motor 90W

Motor Performance Parameters

Model	Voltage	Power	No-load Parameters		Load Parameters			Brush Life	Motor Weight
			Speed	Current	Speed	Torque	Current		
	v	w	r/min	A	r/min	mN.m	A	H	kg
Z5D90-12 □	12	90	3100	2.0	2600	330	12.0	2000	2.2
Z5D90-24 □	24	90	3300	1.0	2800	307	5.0	2000	2.2
Z5D90-90 □	90	90	3000	0.3	2900	307	1.4	2000	2.2
* Note: It's only typical technical data,special requirement can be customized.									

Motor Dimension



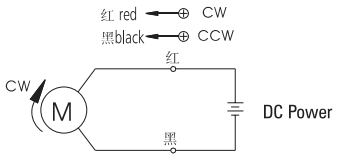


Gearbox Torque and Speed

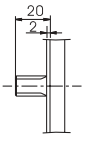
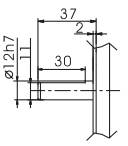
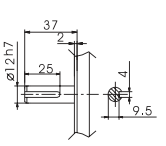
Model of Gearbox: 2GN□K

Model	Reduction Ratio		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
Z5D90-24 □	Output Shaft Speed	r/min	1100	916	660	550	440	366	330	264	220	183	165	132	110	91	82	66	55	44	36	33	27	22	18	16
	Allowable Torque	N.m	0.64	0.76	1.05	1.27	1.58	1.90	1.90	2.38	2.85	3.42	3.44	4.30	5.16	6.19	6.88	8.60	10.31	12.89	13.83	15.37	18.44	19.60	19.60	19.60
		kgf.cm	6.53	7.75	10.76	12.92	16.12	19.37	19.40	24.25	29.10	34.92	35.08	43.85	52.62	63.15	70.16	87.70	105.24	131.56	141.12	156.80	188.17	200.0	200.0	200.0

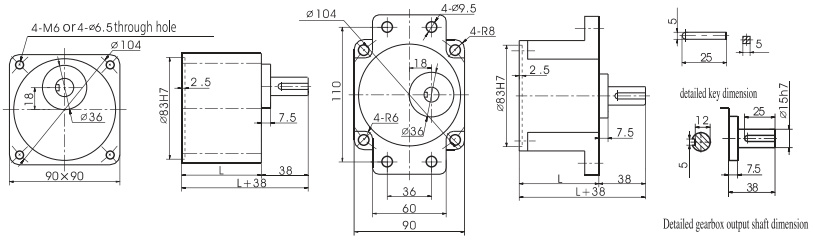
Wiring Diagram



Bare Motor Output Shaft Dimension

Model	Gear Shaft Z5D90-□ GU	Flat type Z5D90-□ A	Bare Shaft Z5D90-□ A1
Output Shaft Type and Dimension			

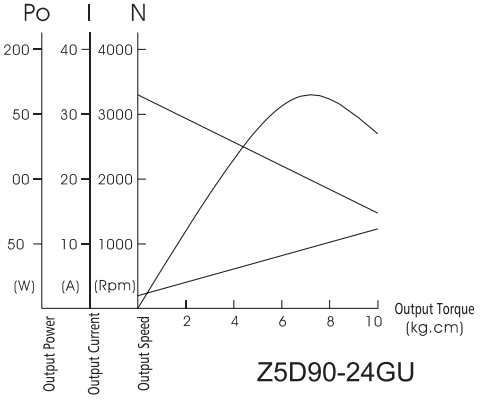
Gearbox Dimension



Detailed gearbox output shaft dimension

	Reduction Ratio	L(mm)	Q(kg)
Gearbox	5GU3K-GU9K	65	1.21
	5GU10K-GU18K		1.30
	5GU20K-GU75K		1.40
	5GU90K-GU200K		1.45

Characteristic Curve

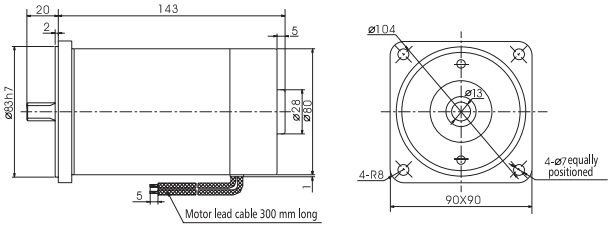


DC Motor 120W

Motor Performance Parameters

Model	Voltage	Power	No-load Parameters		Load Parameters			Brush Life	Motor Weight
			Speed	Current	Speed	Torque	Current		
	v	w	r/min	A	r/min	mN.m	A	H	kg
ZD120-12□	12	120	3100	2.0	2500	458	15.0	2000	2.2
ZD120-24□	24	120	3200	1.2	2600	441	7.0	2000	2.2
ZD120-90□	90	120	3000	0.3	2600	441	2.0	2000	2.2
* Note: It's only typical technical data,special requirement can be customized.									

Motor Dimension



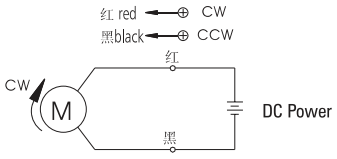


Gearbox Torque and Speed

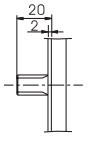
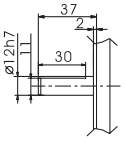
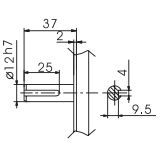
Model of Gearbox: 2GN□K

Model	Reduction Ratio		3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
Z5D120-24GU	Output Shaft Speed	r/min	933	777	520	433	348	288	208	173	144	104	82	72	82	43	34	28	26	21	17	14	13
	Allowable Torque	N.m	1.07	1.28	1.78	2.14	2.67	3.21	4.02	4.89	5.79	7.27	8.72	10.4	14.5	17.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0
		kgf.cm	10.9	13.1	18.2	21.8	27.3	32.7	41.1	49.2	59.1	74.2	89.1	106	148	178	200	200	200	200	200	200	200

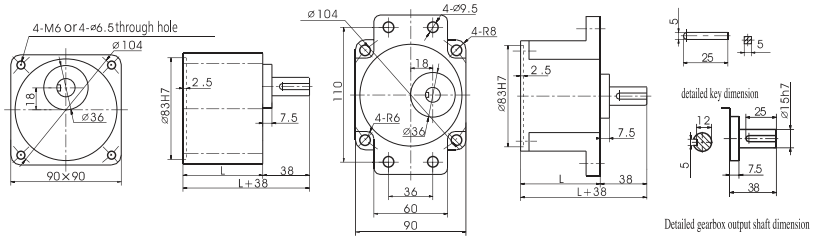
Wiring Diagram



Bare Motor Output Shaft Dimension

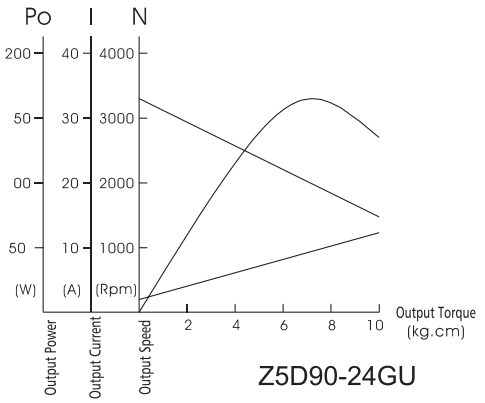
Model	Gear Shaft Z5D120-□GU	Flat type Z5D120-□A	Bare Shaft Z5D120-□A1
Output Shaft Type and Dimension			

Gearbox Dimension



	Reduction Ratio	L(mm)	Q(kg)
Gearbox	5GU3K-GU9K	65	1.21
	5GU10K-GU18K		1.30
	5GU20K-GU75K		1.40
	5GU90K-GU200K		1.45

Characteristic Curve



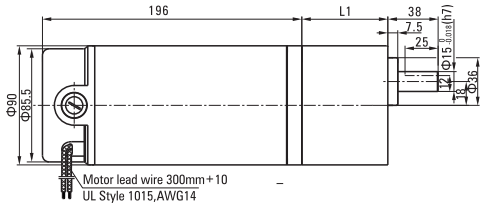
DC Motor 250W

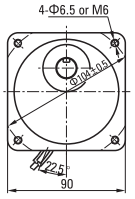
Motor Performance Parameters

Model	Voltage	Power	No-load Parameters		Load Parameters			Brush Life	Motor Weight
			Speed	Current	Speed	Torque	Current		
	v	w	r/min	A	r/min	mN.m	A	H	kg
Z6D250-24□	24	250	3400	3.0	3000	796	16.0	2000	3.2
Z6D250-90□	90	250	3300	1.2	3000	796	4.0	2000	3.2
Z6D250-220□	220	250	3300	0.9	3000	796	2.2	2000	3.2

* Note: It's only typical technical data,special requirement can be customized.

Motor Dimension





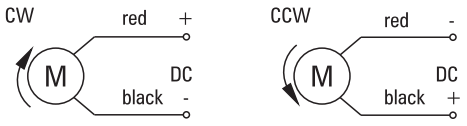


Gearbox Torque and Speed

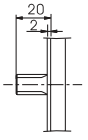
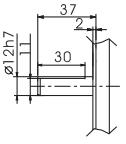
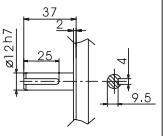
Model of Gearbox: 2GN□K

Model	Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
Z6D250-24GU	Speed r/min	1000	833	600	500	400	333	240	200	166	120	100	83	60	50	40	33	30	25	20	16	15
	6GU□K	1.93	2.32	3.22	3.86	4.83	5.80	7.20	8.70	10.4	13.1	15.7	18.9	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
		19.7	23.6	32.8	39.4	49.3	59.2	74.1	88.9	106	133	160	192	200	200	200	200	200	200	200	200	200

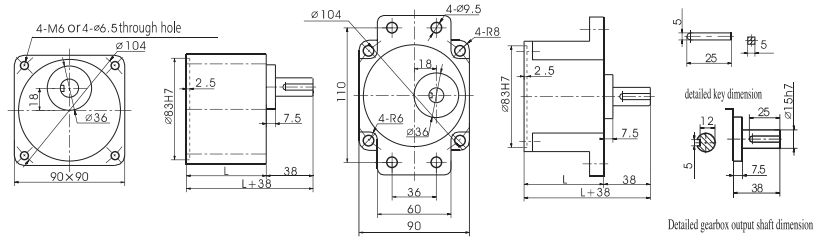
Wiring Diagram



Bare Motor Output Shaft Dimension

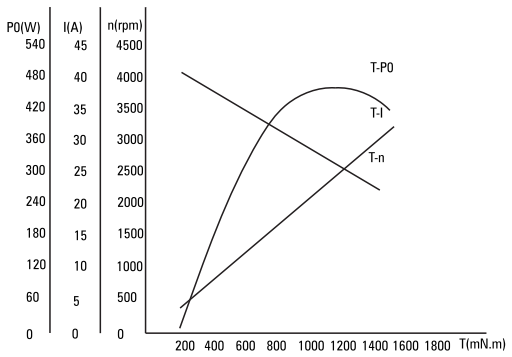
Model	Gear Shaft Z5D120-□GU	Flat type Z5D120-□A	Bare Shaft Z5D120-□A1
Output Shaft Type and Dimension			

Gearbox Dimension



	Reduction Ratio	L(mm)	Q(kg)
Gearbox	5GU3K-GU9K	65	1.21
	5GU10K-GU18K		1.30
	5GU20K-GU75K		1.40
	5GU90K-GU200K		1.45

Characteristic Curve



Product Parameter Questionnaire

Company name						
Contact	Address					
	Your name					
	Dept.					
	Position					
	Tel.					
	Fax					
	E-mail					
	Website					
Motor Designation			_		_	(Ex: RS-360PA-12390)
Application						(Ex:Air pump)
Projected quantity		pcs/year		pcs/month		
Size of motor	Flat type	Diameter(φ)	height	length	mm	
	Round type	Diameter(φ)	length	mm		
Input voltage			☐ AC	☐ DC		
Direction of rotation(viewing from output shaft)		☐ 顺时针CW ☐ 逆时针CCW ☐ 双向Bi-directional				
Speed	At no load		RPM			
	At rated load		RPM			
Current	At no load		A			
	At rated load		A			
	At stall		A			
Torque	At rated load		mN.m		g.cm	
	At stall		mN.m		g.cm	
Life requirement	Continuous	Hours				
	Periodical	second on	second off	cycles		
	Total required running time	Hours				
Other requirements						



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Email address : info@nbleisonmotor.com