

无刷直流减速电机 BLDC GEAR MOTOR

15W 60mm

NINGBO HENG TUO MOTOR CO.,LTD
Whatsapp/Wechat: +86 150 5823 3371
Website: www.motor-reducer.com



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60电机参数 60 MOTOR DATA

电机型号 Type	电压 Voltage V	额定功率 Power W	额定扭矩 Rated Torque N.m	空载转速 No load Speed r/min	空载电流 No load Current A	负载转速 Rated Speed r/min	负载电流 Rated Current A	有否 Hall(Y/N)	电机寿命 Life(Hours) H	机身长度 Length mm	内驱 Internal Drive /	电机重量 Weight g
F2B15-12GN-20S	12	15	0.072	2800	< 0.8	2000	1.56	Both	> 5000	59	YES	800
F2B15-24GN-20S	24	15	0.072	2800	< 0.5	2000	0.78	Both	> 5000	59	YES	800
F2B15-48GN-20S	310	15	0.072	2700	< 0.25	2000	0.39	Both	> 5000	59	YES	800

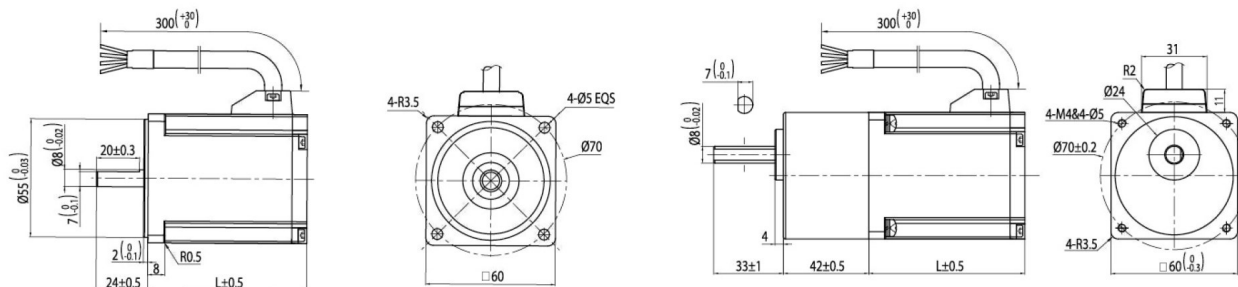
60齿轮箱 60 GEAR BOX

容许力矩单位 Allowance Torque Unit: N.m

减速比 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
输出轴转速 r/min Output speed	667	556	400	333	267	222	160	133	111	80	67	56	40	33	27	22	20	17	13	11	10
允许力矩 N.m Allowance Torque	0.19	0.23	0.32	0.39	0.48	0.58	0.81	0.97	1.16	1.45	1.74	2.09	2.63	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2-20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The 色 box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.

尺寸图 DIMENSIONAL DRAWING



线序图 Line Sequence Diagram

1	2	3	4	5	6	7	8
U	V	W	GND	Hv	Hw	Hu	Vcc
Yellow	Green	Blue	Black	Green	Blue	Yellow	Red
粗线 Thick Line				细线 Thin Line			
14#1569				26#1569			

无刷直流减速电机 BLDC GEAR MOTOR

30W
70mm



70电机参数 70 MOTOR DATA

电机型号 Type	电压 Voltage	额定功率 Power	额定扭矩 Rated Torque	空载转速 No load Speed	空载电流 No load Current	负载转速 Rated Speed	负载电流 Rated Current	有否 Hall(Y/N)	电机寿命 Life(Hours)	机身长度 Length	内驱 Internal Drive	电机重量 Weight
	V	W	N.m	r/min	A	r/min	A	/	H	mm	/	g
F3B30-12GN-20S	12	30	0.143	2800	< 0.9	2000	3.13	Both	> 5000	64	YES	900
F3B30-24GN-20S	24	30	0.143	2800	< 0.5	2000	1.56	Both	> 5000	64	YES	900
F3B30-48GN-20S	310	30	0.143	2700	< 0.25	2000	0.78	Both	> 5000	64	YES	900

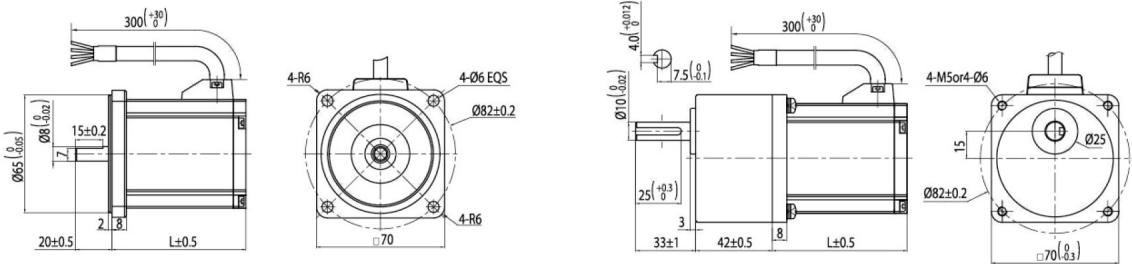
70齿轮箱 70 GEAR BOX

容许力矩单位 Allowance Torque Unit: N.m

减速比 Gear 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
输出轴转速 r/min Output speed	667	556	400	333	267	222	320	160	133	111	100	80	67	56	50	40	33	27	22	20	17	13	11	10
允许力矩 N.m Allowance Torque	0.34	0.41	0.58	0.69	0.86	1.04	1.16	1.45	1.74	1.88	2.08	2.61	3.13	3.75	4.17	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2-20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.

尺寸图 DIMENSIONAL DRAWING



线序图 Line Sequence Diagram

1	2	3	4	5	6	7	8
U	V	W	GND	Hv	Hw	Hu	Vcc
Yellow	Green	Blue	Black	Green	Blue	Yellow	Red
粗线 Thick Line				细线 Thin Line			
14#1569				26#1569			

无刷直流减速电机 BLDC GEAR MOTOR

80W 80mm

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无刷直流减速电机
BLDC GEAR MOTOR

80电机参数 80 MOTOR DATA

电机型号 Type	电压 Voltage	额定功率 Power	额定扭矩 Rated Torque	空载转速 No load Speed	空载电流 No load Current	负载转速 Rated Speed	负载电流 Rated Current	有否 Hall(Y/N)	电机寿命 Life(Hours)	机身长度 Length	内驱 Internal Drive	电机重量 Weight
	V	W	N.m	r/min	A	r/min	A	/	H	mm	/	g
F4B80-24GN-20S	24	80	0.382	2700	< 0.8	2000	4.5	Both	> 5000	70	NO	1600
F4B80-48GN-20S	310	80	0.382	2600	< 0.4	2000	2.4	Both	> 5000	70	NO	1600

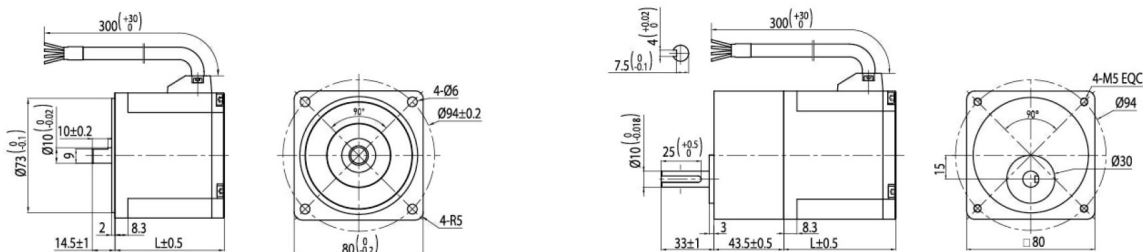
80齿轮箱 80 GEAR BOX

容许力矩单位 Allowance Torque Unit: N.m

减速比 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
输出轴转速 r/min Output speed	667	556	400	333	267	222	160	133	111	80	67	56	50	33	27	22	20	17	13	11	10
允许力矩 N.m Allowance Torque	0.92	1.11	1.54	1.85	2.32	2.78	3.16	4.64	5.56	6.69	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2-20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.

尺寸图 DIMENSIONAL DRAWING



线序图 Line Sequence Diagram

1	2	3	4	5	6	7	8
U	V	W	GND	Hv	Hw	Hu	Vcc
Yellow	Green	Blue	Black	Green	Blue	Yellow	Red
粗线 Thick Line				细线 Thin Line			
14#1569				26#1569			

无刷直流减速电机 BLDC GEAR MOTOR

120W
90mm



90电机参数 90 MOTOR DATA

电机型号 Type	电压 Voltage	额定功率 Power	额定扭矩 Rated Torque	空载转速 No load Speed	空载电流 No load Current	负载转速 Rated Speed	负载电流 Rated Current	有否 Hall(Y/N)	电机寿命 Life(Hours)	机身长度 Length	内驱 Internal Drive	电机重量 Weight
	V	W	N.m	r/min	A	r/min	A	/	H	mm	/	g
F5B120-24GN-20S	24	120	0.573	2700	< 0.8	2000	6.25	Both	> 5000	75	NO	1700
F5B120-48GN-20S	310	120	0.573	2600	< 0.4	2000	3.10	Both	> 5000	75	NO	1700

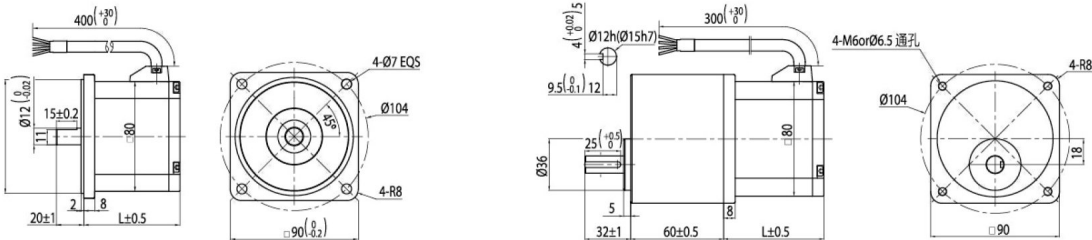
90齿轮箱 90 GEAR BOX

容许力矩单位 Allowance Torque Unit: N.m

减速比 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
输出轴转速 r/min Output speed	667	556	400	333	267	222	160	133	111	80	67	56	40	33	27	22	20	17	13	11	10
允许力矩 N.m Allowance Torque	1.39	1.67	2.32	2.78	3.48	4.17	5.80	6.96	7.51	10.44	12.53	15.03	18.79	20	20	20	20	20	20	20	20

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2-20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.

尺寸图 DIMENSIONAL DRAWING



线序图 Line Sequence Diagram

1	2	3	4	5	6	7	8
U	V	W	GND	Hv	Hw	Hu	Vcc
Yellow	Green	Blue	Black	Green	Blue	Yellow	Red
粗线 Thick Line				细线 Thin Line			
14#1569				26#1569			

无刷直流减速电机 BLDC GEAR MOTOR

200W 90mm



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BLDC GEAR MOTOR

90电机参数 90 MOTOR DATA

电机型号 Type	电压 Voltage	额定功率 Power	额定扭矩 Rated Torque	空载转速 No load Speed	空载电流 No load Current	负载转速 Rated Speed	负载电流 Rated Current	有否 Hall(Y/N)	电机寿命 Life(Hours)	机身长度 Length	内驱 Internal Drive	电机重量 Weight
	V	W	N.m	r/min	A	r/min	A	/	H	mm	/	g
F55B200-24GN-20S	24	200	0.955	2600	< 1.0	2000	10.42	Both	> 5000	90	NO	2100
F55B200-48GN-20S	310	200	0.955	2600	< 0.5	2000	5.20	Both	> 5000	90	NO	2100

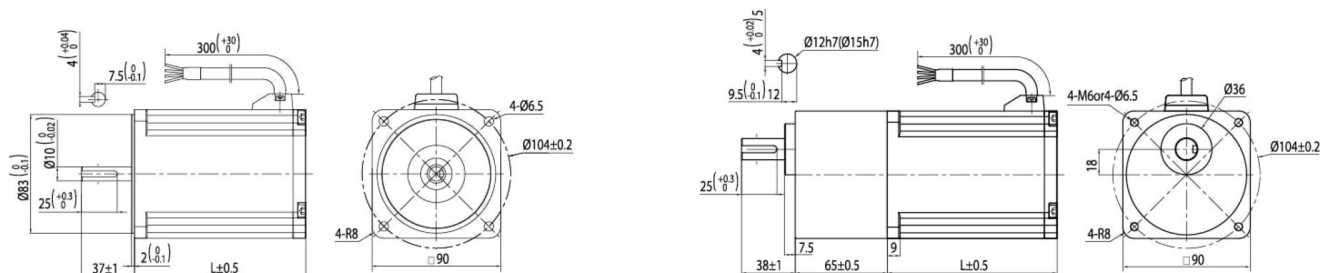
90齿轮箱 90 GEAR BOX

容许力矩单位 Allowance Torque Unit: N.m

减速比 Gear Ratio	3	3.6	5	6	7.5	9	10	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
输出轴转速 r/min Output speed	667	556	400	333	267	222	200	160	133	111	80	67	56	40	33	27	22	20	17	13	11	10
允许力矩 N.m Allowance Torque	2.32	2.78	3.86	4.64	5.80	6.96	7.01	8.96	10.44	12.53	15.66	18.79	20	20	20	20	20	20	20	20	20	20

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2-20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The 色 box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.

尺寸图 DIMENSIONAL DRAWING



线序图 Line Sequence Diagram

1	2	3	4	5	6	7	8
U	V	W	GND	Hv	Hw	Hu	Vcc
Yellow	Green	Blue	Black	Green	Blue	Yellow	Red
粗线 Thick Line				细线 Thin Line			
14#1569				26#1569			

无刷直流减速电机 BLDC GEAR MOTOR

200W
104mm



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104电机参数 104 MOTOR DATA

电机型号 Type	电压 Voltage	额定功率 Power	额定扭矩 Rated Torque	空载转速 No load Speed	空载电流 No load Current	负载转速 Rated Speed	负载电流 Rated Current	有否 Hall(Y/N)	电机寿命 Life(Hours)	机身长度 Length	内驱 Internal Drive	电机重量 Weight
	V	W	N.m	r/min	A	r/min	A	/	H	mm	/	g
F6B300-24GN-20S	24	300	1.430	2700	< 1.2	2000	15.60	Both	> 5000	90	NO	2100
F6B300-48GN-20S	310	300	1.430	2600	< 0.6	2000	7.80	Both	> 5000	90	NO	2100

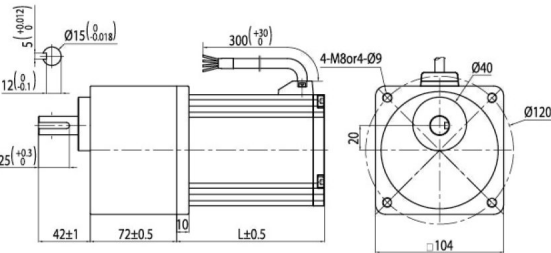
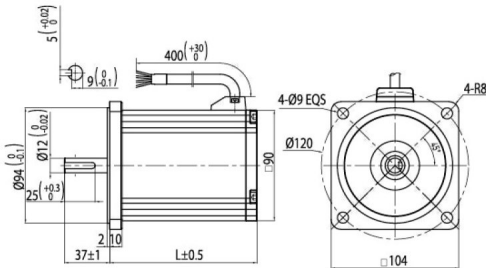
104齿轮箱 104 GEAR BOX

容许力矩单位 Allowance Torque Unit: N.m

减速比 Gear 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
输出轴转速 r/min Output speed	667	556	400	333	267	222	200	160	133	111	100	80	67	56	50	40	33	27	22	20	17	13
允许力矩 N.m Allowance Torque	2.32	2.78	3.86	4.64	5.80	6.96	7.01	8.96	10.44	12.53	13.2	15.66	18.79	22.55	25.05	31.32	37.58	40	40	40	40	40

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2-20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.

尺寸图 DIMENSIONAL DRAWING



线序图 Line Sequence Diagram

1	2	3	4	5	6	7	8
U	V	W	GND	Hv	Hw	Hu	Vcc
Yellow	Green	Blue	Black	Green	Blue	Yellow	Red
粗线 Thick Line				细线 Thin Line			
14#1569				26#1569			