

BG 36BL



使用环境	-20℃~50℃
Environmental conditons	
绝缘等级	B
Insulation class	
防护等级	IP00
Protection level	
噪音	≤55dB
Noise	
极数/相数	8/3
Number of poles/phase	
寿命	5000h
Life	

应用领域/Application

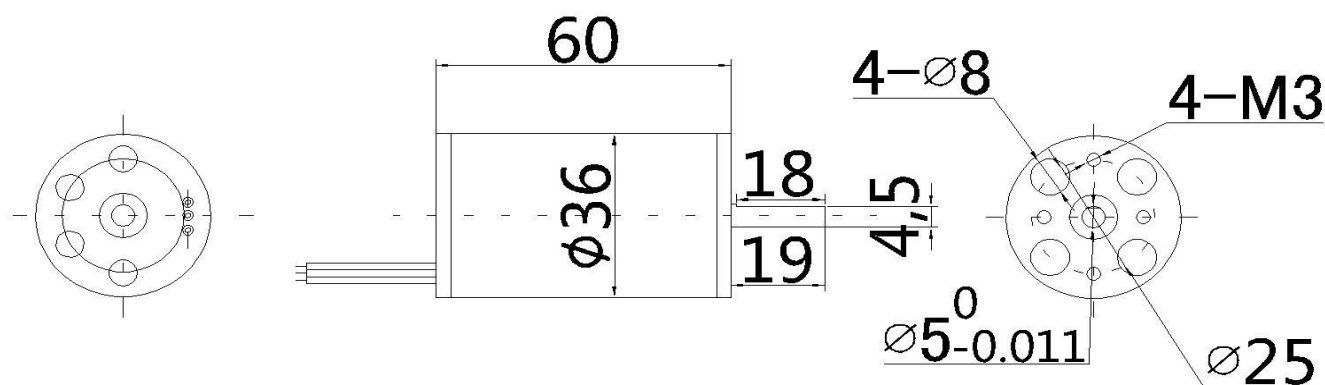
机器人 / The Robot
办公设备 / Office Equipment

工厂自动化 / Factory Automation
医疗设备 / Medical Equipment

技术参数 / Electrical Specifications

Model	Voltage	No-load		Rated Load				Stall		Body Length
		Speed	Current	Power	Speed	Torque	Current	Torqu	Current	
	V	rpm	A	W	rpm	Nm	A	Nm	A	L:mm
BG 36BL01	12	2400	0.1	7	1835	0.036	0.9	0.1	2.7	60
BG 36BL02	12	6500	0.4	22	5200	0.04	2.8	0.12	8.4	60
BG 36BL03	18	3100	0.1	11	2523	0.041	0.94	0.12	2.82	60

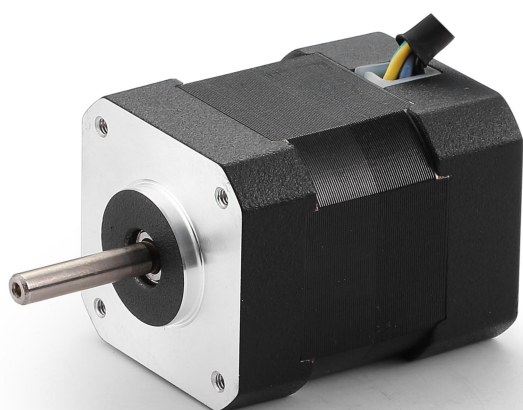
外形图 / Mechanical Dimensions



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BG 42BL



使用环境	-20℃~50℃
Environmental conditons	
绝缘等级	B
Insulation class	
防护等级	IP00
Protection level	
噪音	≤55dB
Noise	
极数/相数	8/3
Number of poles/phase	
寿命	5000h
Life	

应用领域/Application

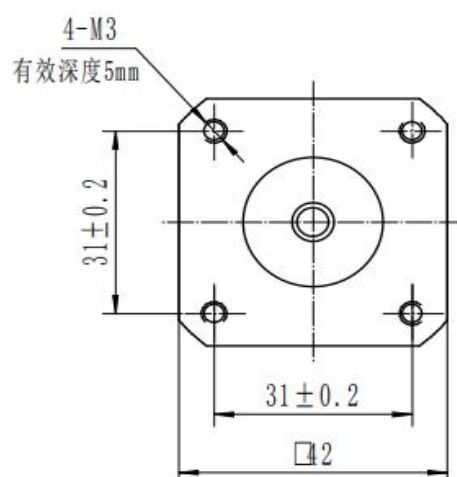
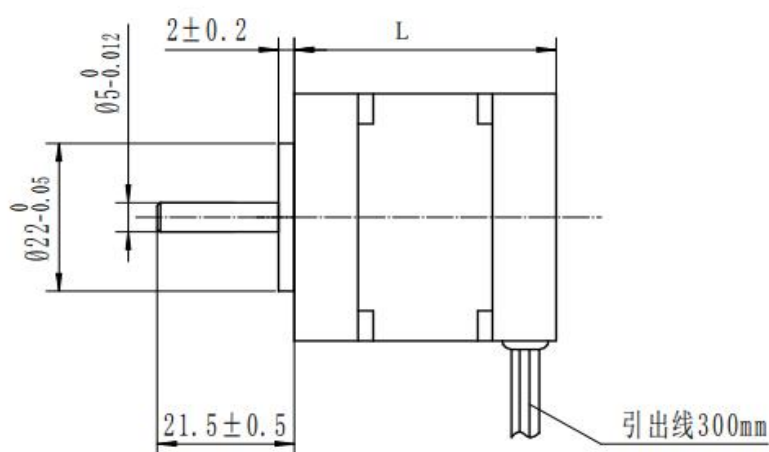
机器人 / The Robot
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工厂自动化 / Factory Automation
医疗设备 / Medical Equipment

技术参数 / Electrical Specifications

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length
		Speed	Torque	Current	Power					
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPP	kg. mm ²	L:mm
BG 42BL01	24	4000	0.063	1.8	26	0.18	0.035	3.17	2.4	40
BG 42BL04	24	3000	0.2	2.4	60	0.3	0.06	2.82	2.8	68
BG 42BL07	24	4000	0.25	6.6	105	0.75	0.037	3.33	9.6	110

外形图 / Mechanical Dimensions



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BG 57BL



使用环境	-20℃~50℃
Environmental conditons	
绝缘等级	B
Insulation class	
防护等级	IP00
Protection level	
噪音	≤55dB
Noise	
极数/相数	8/3
Number of poles/phase	
寿命	5000h
Life	

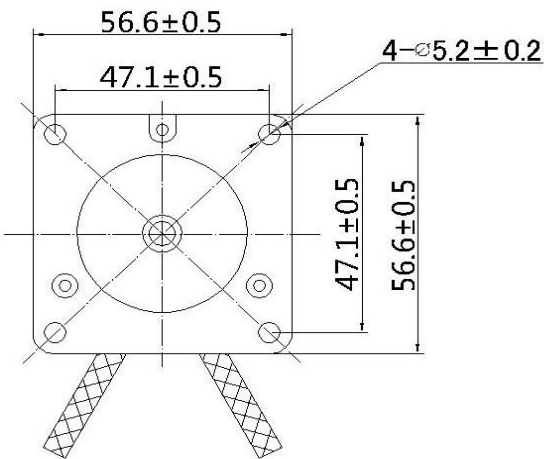
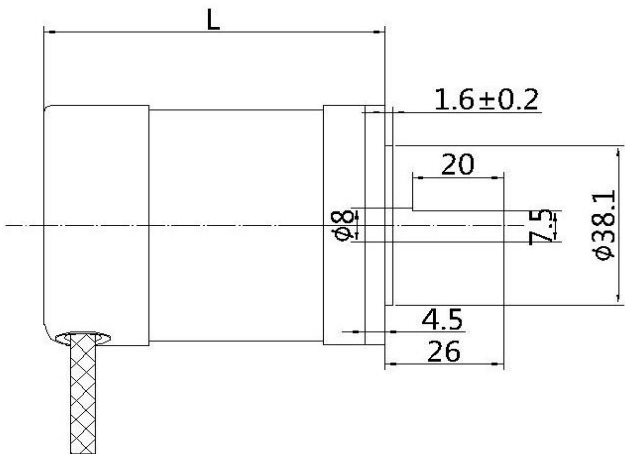
应用领域/Application

机器人 / The Robot 工厂自动化 / Factory Automation
办公设备 / Office Equipment 医疗设备 / Medical Equipment

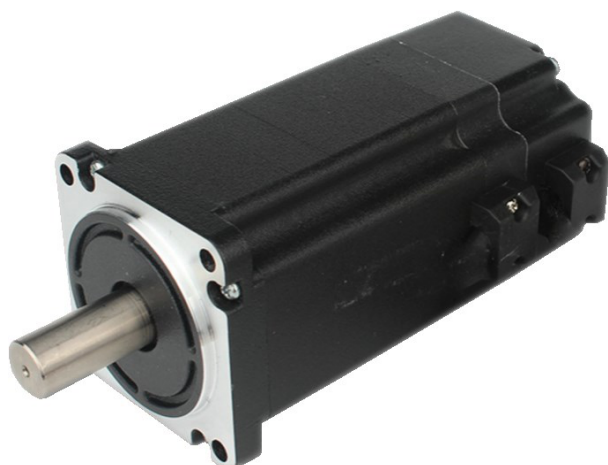
技术参数 / Electrical Specifications

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length
		Speed	Torque	Current	Power					
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPP	kg. mm ²	L:mm
BG 57BL01	24	3000	0.11	2.4	35	0.33	0.06	4.22	7.5	55
BG 57BL02	24	3000	0.22	4.8	70	0.66	0.06	4.27	11.9	75
BG 57BL03	24	3000	0.33	6.6	105	0.99	0.063	4.27	17.3	95

外形图 / Mechanical Dimensions



BG 60BL



使用环境	-20℃~50℃
Environmental conditons	
绝缘等级	B
Insulation class	
防护等级	IP00
Protection level	
噪音	≤55dB
Noise	
极数/相数	8/3
Number of poles/phase	
寿命	5000h
Life	

应用领域/Application

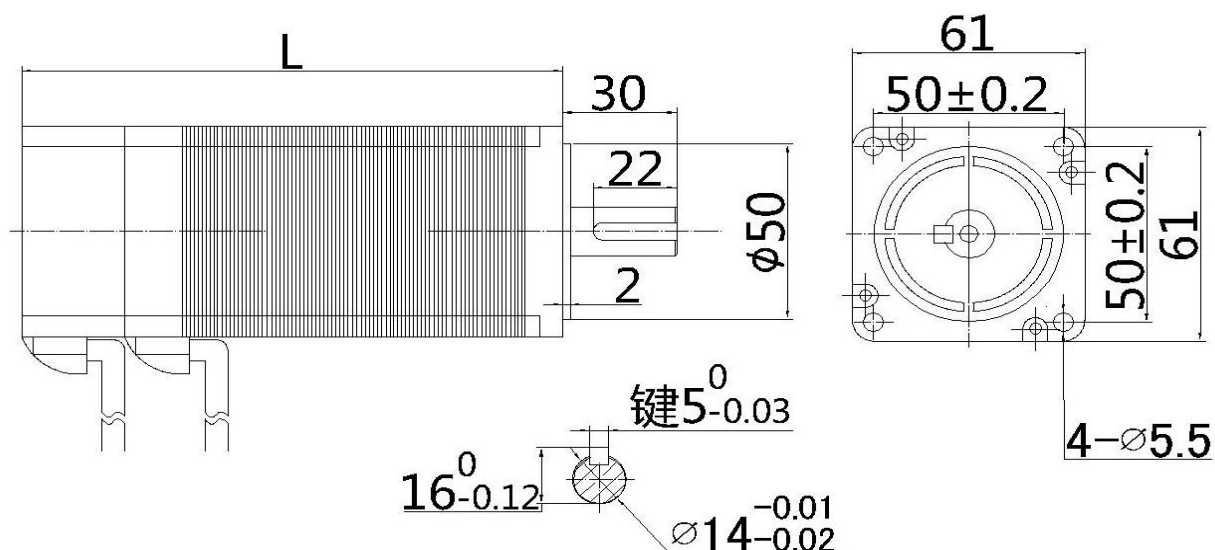
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工厂自动化 / Factory Automation
医疗设备 / Medical Equipment

技术参数 / Electrical Specifications

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length
		Speed	Torque	Current	Power					
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPP	kg. mm ²	L: mm
BG 60BL01	48	3000	0.65	6	200	1.95	0.122	4.2	48	99
BG 60BL02	48	3000	0.95	8.8	300	2.85	0.126	6.4	72	120
BG 60BL03	48	3000	1.27	11.5	400	3.81	0.127	8.4	96	140

外形图 / Mechanical Dimensions



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BG 70BL



使用环境 Environmental conditons	-20℃~50℃
绝缘等级 Insulation class	B
防护等级 Protection level	IP00
噪音 Noise	≤55dB
极数/相数 Number of poles/phase	8/3
寿命 Life	5000h

应用领域/Application

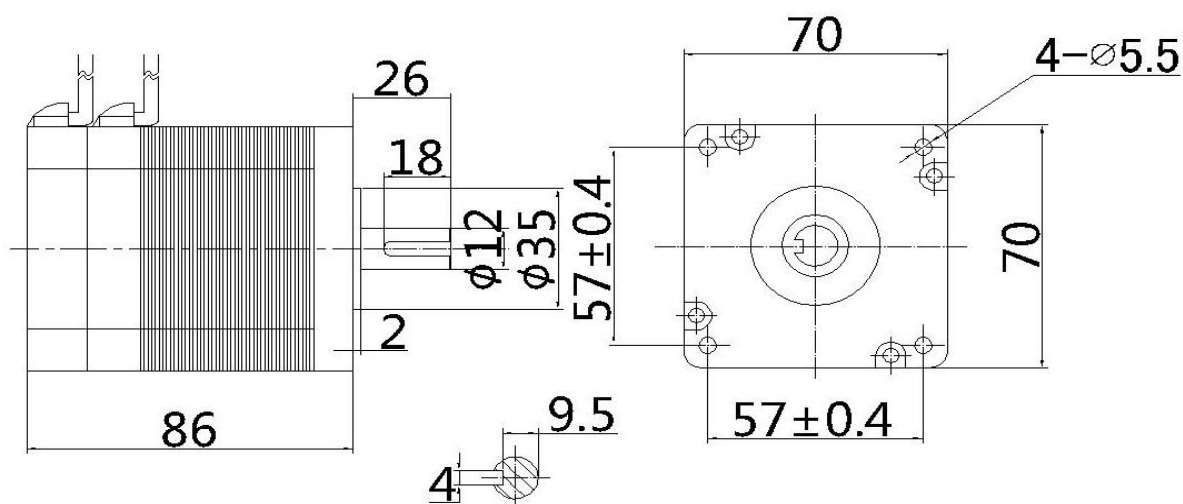
机器人 / The Robot
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工厂自动化 / Factory Automation
医疗设备 / Medical Equipment

技术参数 / Electrical Specifications

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length
		Speed	Torque	Current	Power					
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPP	kg. mm ²	L: mm
BG 70BL01	24	3000	0.5	8.8	157	1.5	0.056	4.6	55	86
BG 70BL02	48	3000	0.5	4.4	157	1.5	0.115	9.17	55	86
BG 70BL03	24	3000	1	17.6	314	3	0.056	4.5	110	116

外形图 / Mechanical Dimensions



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BG 80BL

使用环境	-20℃~50℃
Environmental conditons	
绝缘等级	B
Insulation class	
防护等级	IP00
Protection level	
噪音	≤55dB
Noise	
极数/相数	8/3
Number of poles/phase	
寿命	5000h
Life	

应用领域/Application

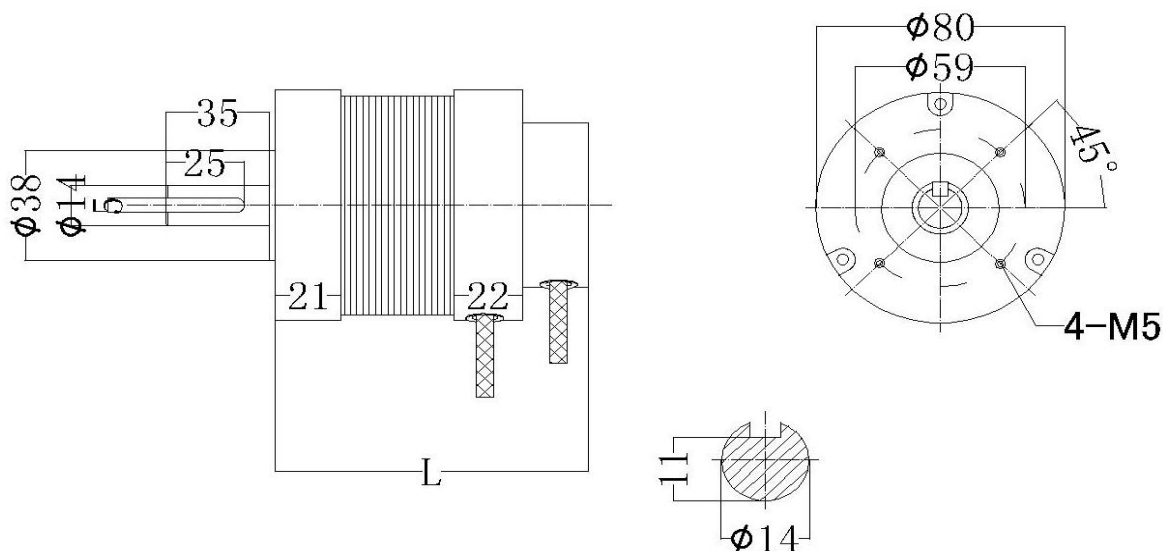
机器人 / The Robot
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医疗设备 / Medical Equipment

技术参数 / Electrical Specifications

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length
		Speed	Torque	Current	Power					
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPP	kg. mm ²	L:mm
BG 80BL01	48	3000	0.7	5.5	220	2.1	0.127	9	53	106
BG 80BL02	310	6000	0.7	1.7	440	2.1	0.4	31	53	106
BG 80BL03	48	3000	1.27	10	400	3.81	0.127	8.7	65	126

外形图 / Mechanical Dimensions



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BG 80BL



使用环境 Environmental conditons	-20℃~50℃
绝缘等级 Insulation class	B
防护等级 Protection level	IP00
噪音 Noise	≤55dB
极数/相数 Number of poles/phase	8/3
寿命 Life	5000h

应用领域/Application

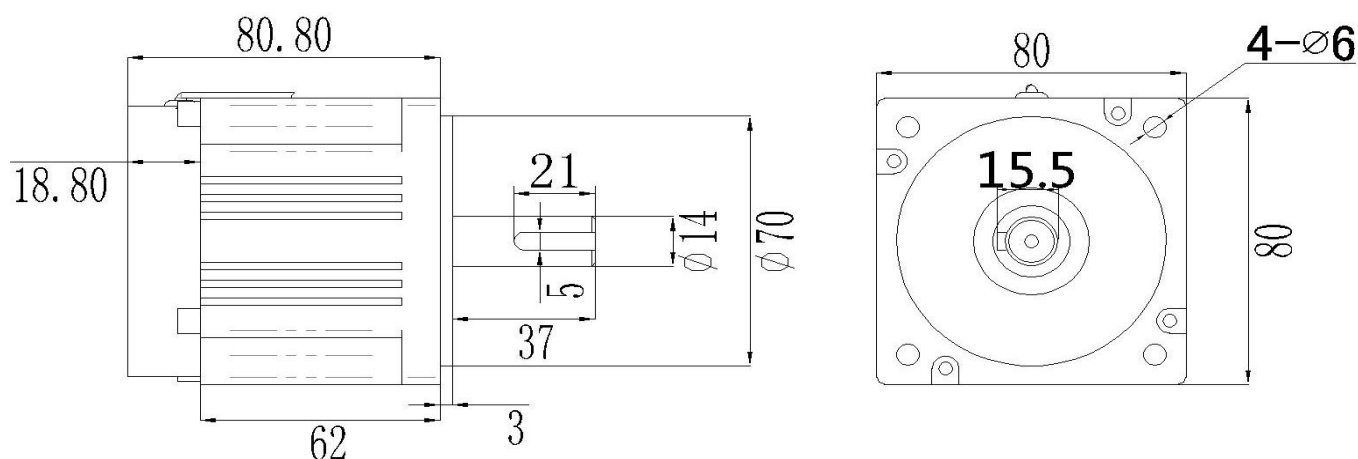
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医疗设备 / Medical Equipment

技术参数 / Electrical Specifications

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length
		Speed	Torque	Current	Power					
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPP	kg. mm ²	L:mm
BG 80BL01	48	3000	0.7	5.5	220	2.1	0.127	9	53	106
BG 80BL02	310	6000	0.7	1.7	440	2.1	0.4	31	53	106
BG 80BL03	48	3000	1.27	10	400	3.81	0.127	8.7	65	126

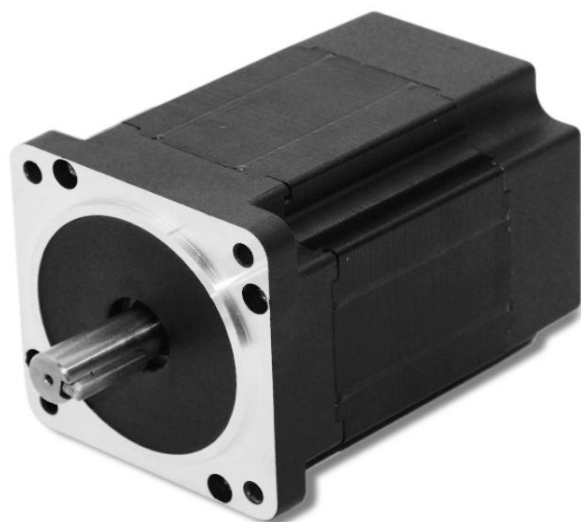
外形图 / Mechanical Dimensions



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BG 86BL



使用环境	-20℃~50℃
Environmental conditons	
绝缘等级	B
Insulation class	
防护等级	IP00
Protection level	
噪音	≤55dB
Noise	
极数/相数	8/3
Number of poles/phase	
寿命	5000h
Life	

应用领域/Application

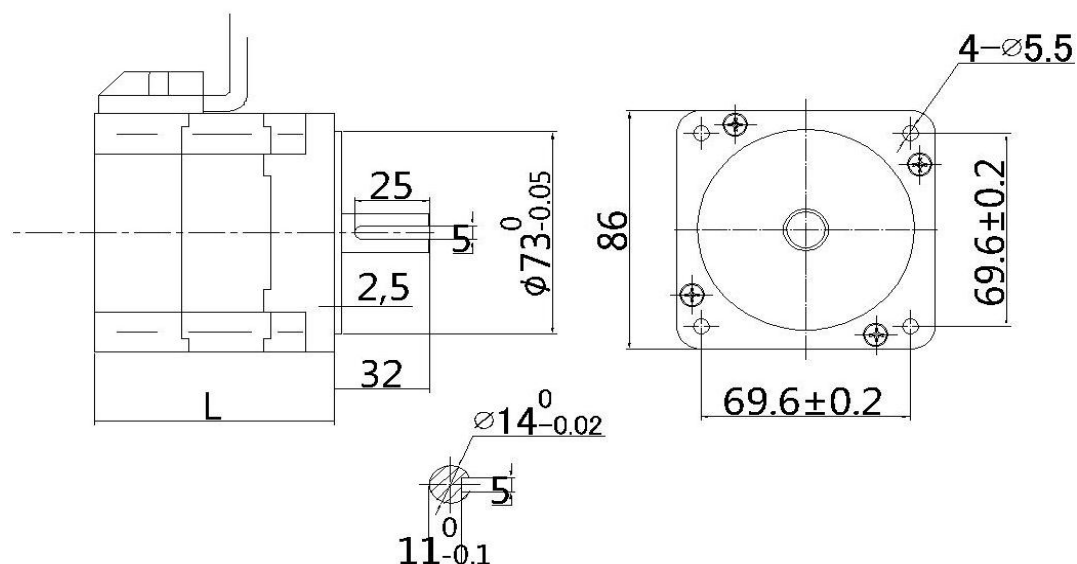
机器人 / The Robot
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工厂自动化 / Factory Automation
医疗设备 / Medical Equipment

技术参数 / Electrical Specifications

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length
		Speed	Torque	Current	Power					
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPP	kg. mm ²	L: mm
BG 86BL01	48	3000	1	8.5	314	3	0.133	9.8	120	80
BG 86BL02	48	3000	1.27	10.8	400	3.81	0.133	9.8	160	90
BG 86BL03	48	3000	1.8	14.8	565	5.4	0.133	9.8	220	105

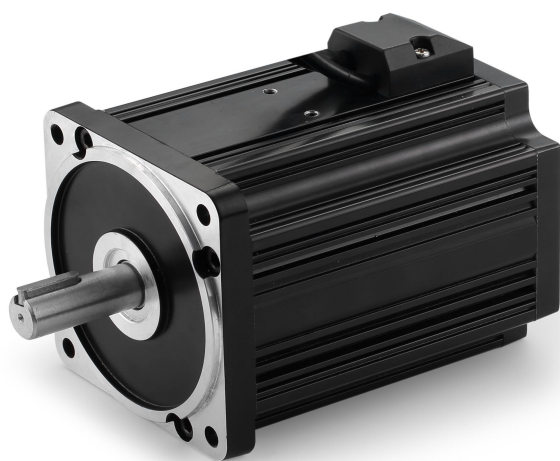
外形图 / Mechanical Dimensions



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BG 90BL



使用环境	-20℃~50℃
Environmental conditons	
绝缘等级	B
Insulation class	
防护等级	IP00
Protection level	
噪音	≤55dB
Noise	
极数/相数	8/3
Number of poles/phase	
寿命	5000h
Life	

应用领域/Application

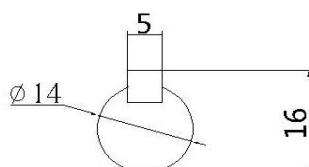
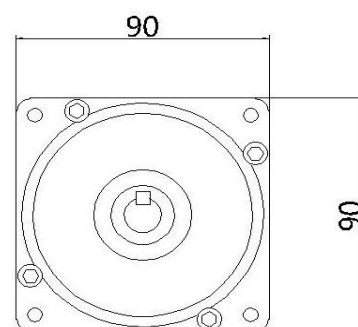
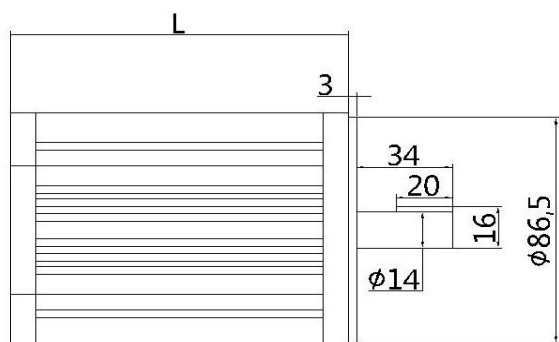
机器人 / The Robot
办公设备 / Office Equipment

工厂自动化 / Factory Automation
医疗设备 / Medical Equipment

技术参数 / Electrical Specifications

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length
		Speed	Torque	Current	Power					
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPP	kg. mm ²	L:mm
BG 90BL01	48	3000	1.27	10.8	400	3.81	0.133	9.8	160	97
BG 90BL02	48	3000	1.8	14.8	565	5.4	0.133	9.8	220	112
BG 90BL03	48	3000	2.1	18	659	6.3	0.133	9.7	260	122

外形图 / Mechanical Dimensions



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BG 110BL

使用环境	Environment conditons	-20℃~50℃
绝缘等级	Insulation class	B
防护等级	Protection level	IP00
噪音	Noise	≤55dB
极数/相数	Number of poles/phase	8/3
寿命	Life	5000h

应用领域/Application

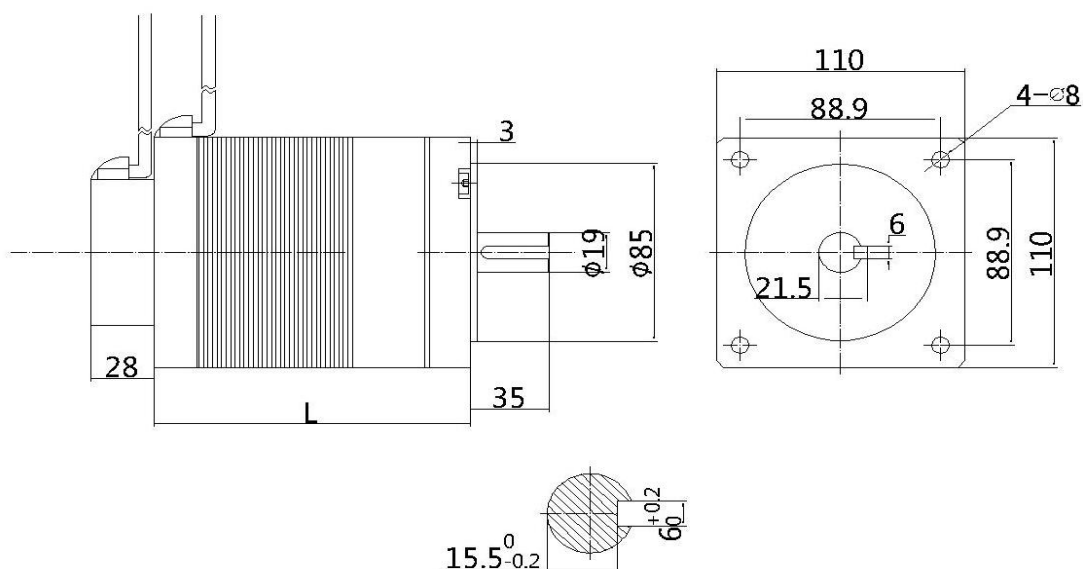
机器人 / The Robot
办公设备 / Office Equipment

工厂自动化 / Factory Automation
医疗设备 / Medical Equipment

技术参数 / Electrical Specifications

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length
		Speed	Torque	Current	Power					
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPP	kg. mm ²	L:mm
BG 110BL01	310	3000	3.2	4.2	1000	9.6	0.79	55	730	110
BG 110BL02	48	3000	4.8	42	1500	14.4	0.12	8.5	1100	140
BG 110BL03	310	3000	4.8	6.3	1500	14.4	0.79	55	1100	140

外形图 / Mechanical Dimensions



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BG 28mm



额定负载 Rated torque	2 N.m		
允许瞬间扭矩 Max momentary tolerance torque	4 N.m		
减速比 Reduction ratio	4	14、19、27	51、71、100、139
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	26	33.5	40.5

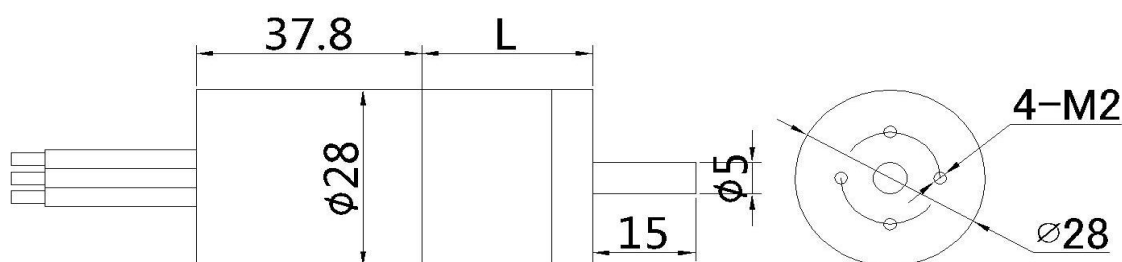
单电机技术参数(Motor Technical Data)

Model	Voltage	No-load		Rated Load				Stall		Body Length	Mass
		Speed	Current	Power	Speed	Torque	Current	Torque	Current		
	V	rpm	A	W	rpm	Nm	A	Nm	A	L:mm	Kg
BG 28BL01	12	5000	0.14	4.3	4200	0.01	0.55	0.09	3.2	37.8	0.1
BG 28BL02	24	5000	0.09	4.5	4400	0.01	0.3	0.1	2.1	37.8	0.1

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比	4	14	19	27	51	71	100	139
BG 28BL01	NO-load speed r/rpm	1200	357	260	180	96	70	50	36
	Rated speed r/rpm	1050	300	155	155	80	59	42	30
	Rated torque N.m	0.03	0.1	0.13	0.18	0.3	0.5	0.6	0.9

外形图Mechanical Dimensions



BG 36mm



额定负载 Rated torque	3 N.m		
允许瞬间扭矩 Max momentary tolerance torque	6 N.m		
减速比 Reduction ratio	4	14、19、27	51、71、100、139
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	28.5	36	43

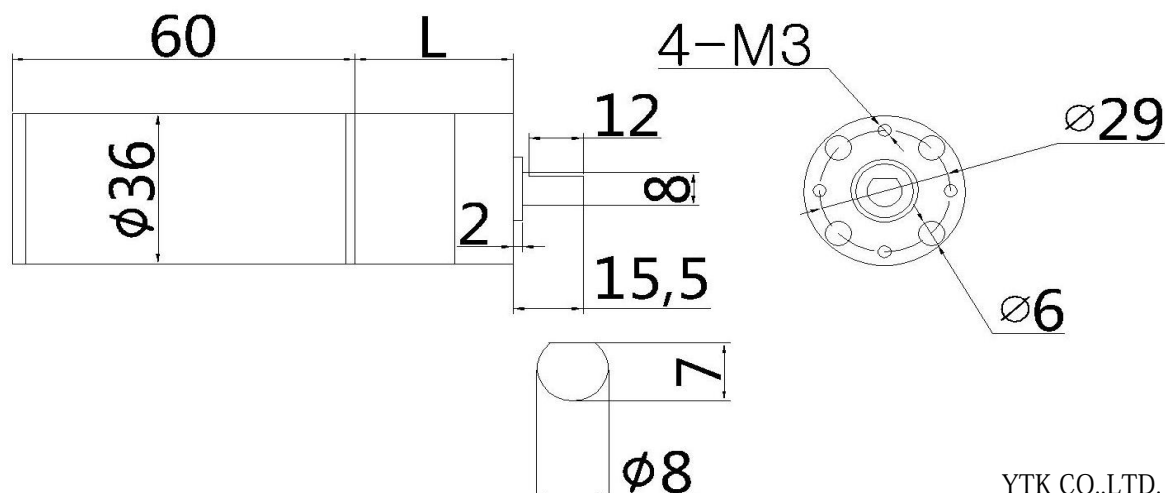
单电机技术参数(Motor Technical Data)

Model	Voltage	No-load		Rated Load				Stall		Body Length	Mass
		Speed	Current	Power	Speed	Torque	Current	Torque	Current		
	V	rpm	A	W	rpm	Nm	A	Nm	A	L:mm	Kg
BG 36BL01	12	2400	0.1	7	1835	0.036	0.9	0.1	2.7	60	0.15
BG 36BL02	12	6500	0.4	22	5200	0.04	2.8	0.12	8.4	60	0.15

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比	4	14	19	27	51	71	100	139
BG 36BL01	NO-load speed r/rpm	600	171	126	88	47	33	24	17
	Rated speed r/rpm	458	131	96	67	35	25	18	13
	Rated torque N.m	0.13	0.42	0.58	0.82	1.55	1.91	2.7	3

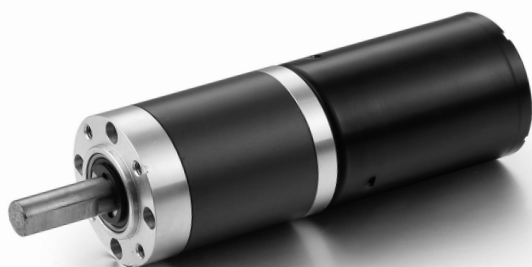
外形图Mechanical Dimensions



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BG 42mm



额定负载 Rated torque	6 N.m		
允许瞬间扭矩 Max momentary tolerance torque	12 N.m		
减速比 Reduction ratio	4	14、19、27	51、71、100、139
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	29	37	45

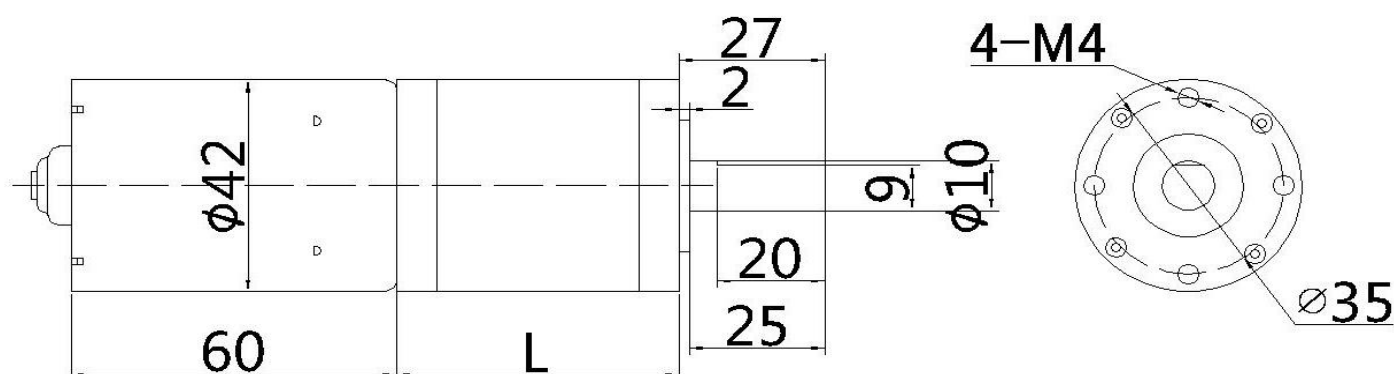
单电机技术参数(Motor Technical Data)

Model	Voltage	No-load		Rated Load				Stall		Body Length	Mass
		Speed	Current	Power	Speed	Torque	Current	Torque	Current		
	V	rpm	A	W	rpm	Nm	A	Nm	A	L:mm	Kg
BG 42BL01	12	5000	0.3	17	3400	0.05	2.5	0.15	4	60	0.2
BG 42BL02	24	5000	0.14	18	3550	0.05	1.3	0.17	4	60	0.2

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比	4	14	19	27	51	71	100	139
BG 42BL01	NO-load speed r/rpm	1200	357	250	185	96	70	50	35
	Rated speed r/rpm	850	242	180	126	65	63	34	24
	Rated torque N.m	0.18	0.5	0.8	1	1.8	2.4	3.5	5

外形图Mechanical Dimensions



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BG 42mm



额定负载 Rated torque	6 N. m		
允许瞬间扭矩 Max momentary tolerance torque	12 N. m		
减速比 Reduction ratio	3.71、5.18	14、19、27	51、71、100、139
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	29	37	45

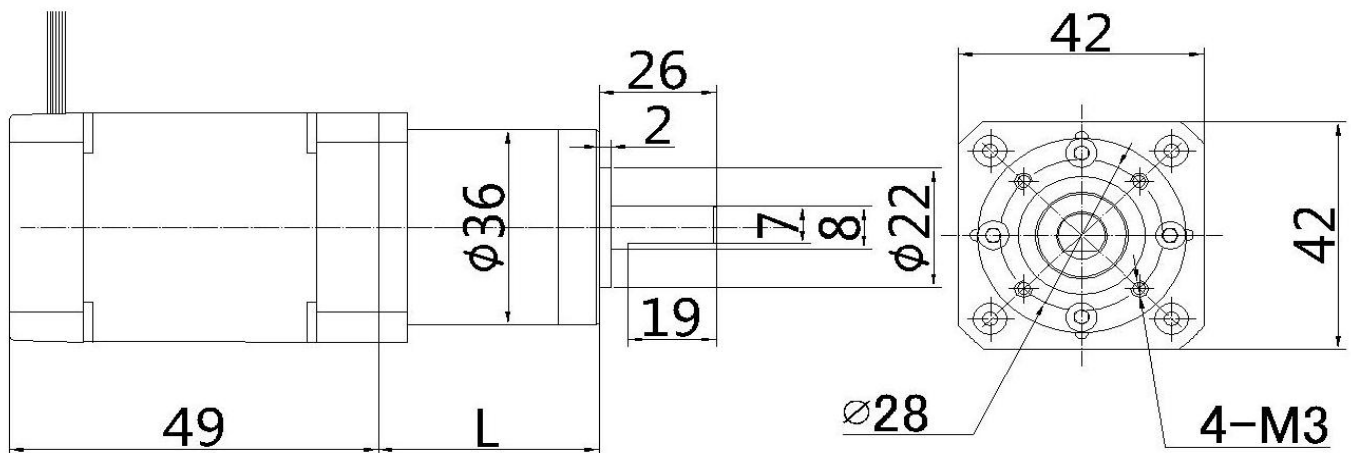
单电机技术参数(Motor Technical Data)

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length	Mass
		Speed	Torque	Current	Power						
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPPM	kg. mm ²	L:mm	Kg
BG 42BL01	24	4000	0.063	1.8	26	0.18	0.035	3.17	2.4	40	0.3
BG 42BL02	24	3000	0.1	1.3	30	0.21	0.06	2.82	2.8	49	0.3

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比	3.71	5.18	14	19	27	51	71	100
BG 42BL01	NO-load speed r/rpm	1348	965	437	263	185	98	70	50
	Rated speed r/rpm	1078	772	285	210	148	78	56	40
	Rated torque N. m	0.2	0.29	0.7	1	1.4	2.7	3.3	4.4

外形图Mechanical Dimensions



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BG 57mm



额定负载 Rated torque	25 N.m		
允许瞬间扭矩 Max momentary tolerance torque	50 N.m		
减速比 Reduction ratio	4、5、6、10	16、20、24、30	64、96、144、216
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	76	90	104

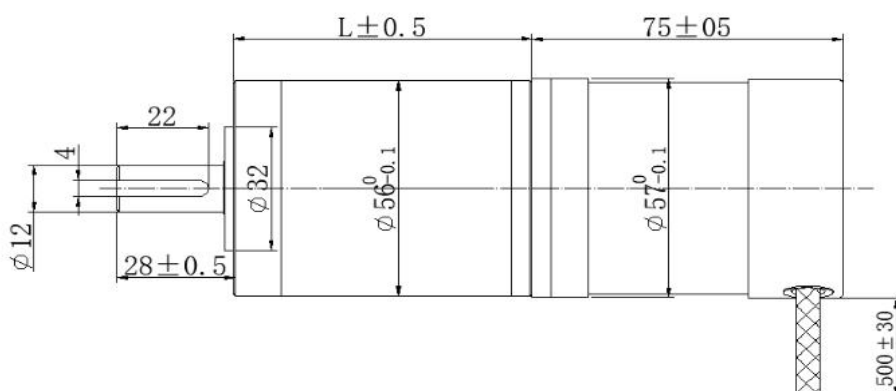
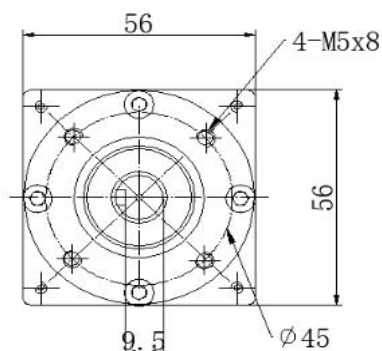
单电机技术参数(Motor Technical Data)

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length	Mass
		Speed	Torque	Current	Power						
	V	rpm	N.m	A	W	N.m	N.m/A	V/KPPM	kg.mm ²	L:mm	Kg
BG 57BL01	24	3000	0.11	2.4	35	0.33	0.06	4.22	7.5	55	0.4
BG 57BL02	24	3000	0.22	4.8	70	0.66	0.06	4.27	11.9	75	0.5

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比	4	6	16	24	36	64	144	216
BG 57BL01	NO-load speed r/rpm	1000	666	250	166	111	62.5	28	18
	Rated speed r/rpm	750	500	187	125	83	46	20	13
	Rated torque N.m	0.4	0.6	1.5	2.2	3.3	5.2	11.88	17.82

外形图Mechanical Dimensions



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BG 60mm



额定负载 Rated torque	30 N.m		
允许瞬间扭矩 Max momentary tolerance torque	60 N.m		
减速比 Reduction ratio	3、4、6	10、16、24、36	64、96、144、216
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	74	88	104

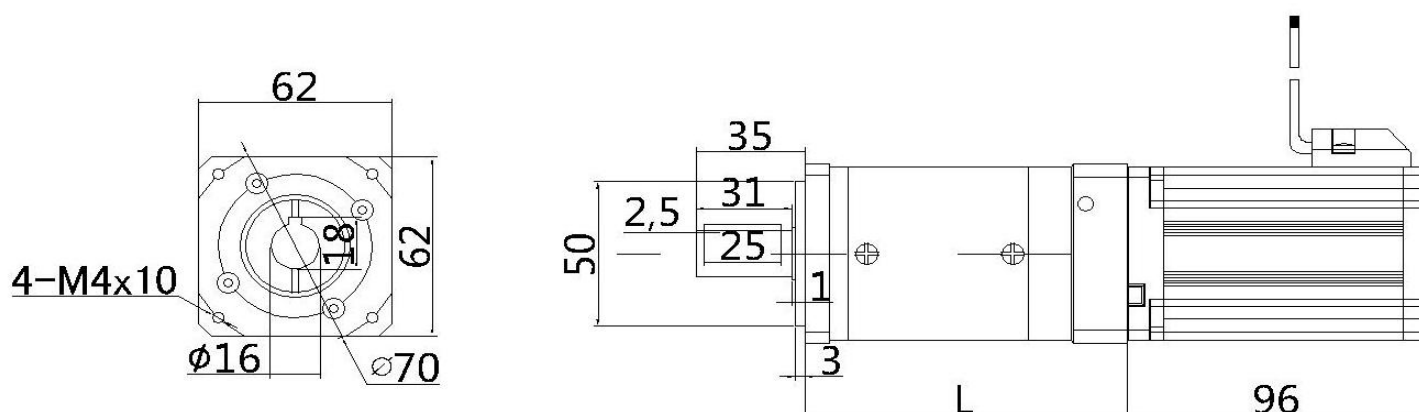
单电机技术参数(Motor Technical Data)

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length	Mass
		Speed	Torque	Current	Power						
	V	rpm	N.m	A	W	N.m	N.m/A	V/KPPM	kg.mm ²	L:mm	Kg
BG 60BL01	48	3000	0.65	6	200	1.95	0.122	4.2	48	99	1.25
BG 60BL02	48	3000	0.95	8.8	300	2.85	0.126	6.4	72	120	1.65

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比	3	6	16	24	36	64	96	216
BG 60BL01	NO-load speed r/rpm	1333	666	250	166	111	62.5	41	18
	Rated speed r/rpm	1000	500	187	125	83	46	31	13
	Rated torque N.m	1.75	3.5	8.8	13.2	19.8	30	30	30

外形图Mechanical Dimensions





BG 70mm

额定负载 Rated torque	40 N.m		
允许瞬间扭矩 Max momentary tolerance torque	80 N.m		
减速比 Reduction ratio	4、6	16、36	64、216
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	50	64	78

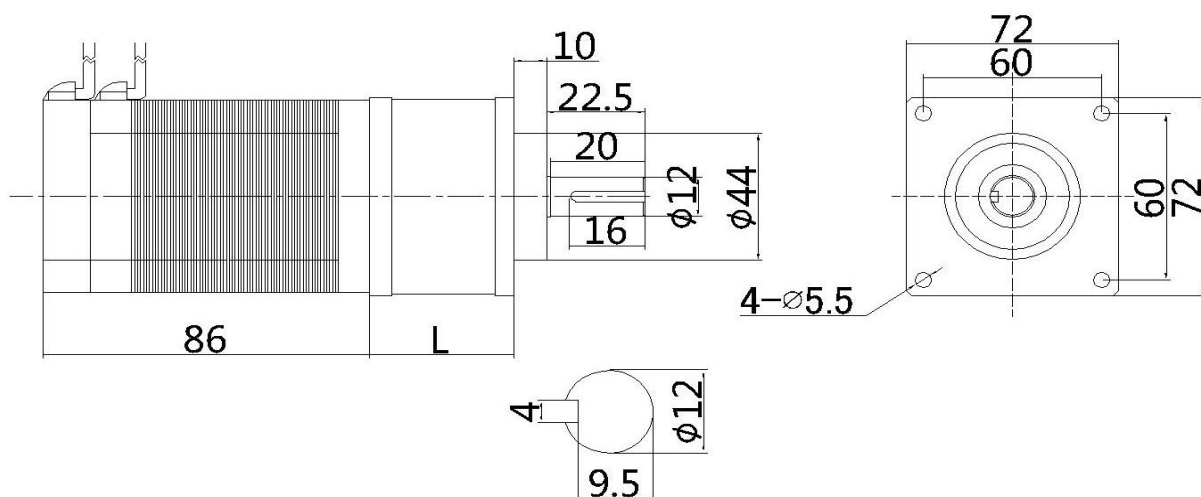
单电机技术参数(Motor Technical Data)

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length	Mass
		Speed	Torque	Current	Power						
	V	rpm	N.m	A	W	N.m	N.m/A	V/KPPM	kg.mm ²	L:mm	Kg
BG 70BL01	24	3000	0.5	8.8	157	1.5	0.056	4.6	55	86	1.3
BG 70BL03	24	3000	1	17.6	314	3	0.056	4.5	110	116	2.1

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比		4	6	16	36	64	216	256	1296
BG 70BL01	NO-load speed	r/rpm	1000	666	250	111	62.5	18.5	15.6	3
	Rated speed	r/rpm	750	500	187	83	46	14	11	2
	Rated torque	N.m	1.8	2.7	6.8	14.4	25.6	40	40	40

外形图Mechanical Dimensions



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BG 80mm



额定负载 Rated torque	60 N.m		
允许瞬间扭矩 Max momentary tolerance torque	100 N.m		
减速比 Reduction ratio	3、4、5、6	10、12、24、36	52.8、64、144
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	82	92	100

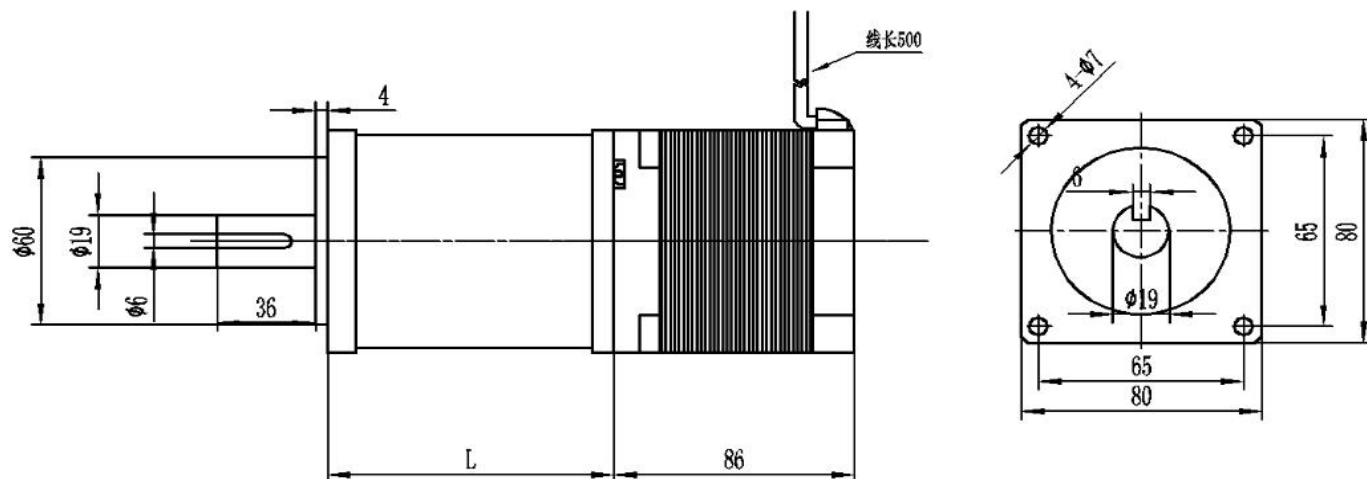
单电机技术参数(Motor Technical Data)

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length	Mass
		Speed	Torque	Current	Power						
	V	rpm	N.m	A	W	N.m	N.m/A	V/KPPM	kg.mm ²	L:mm	Kg
BG 80BL02	310	6000	0.7	1.7	440	2.1	0.4	31	53	106	2.1
BG 80BL03	48	3000	1.27	10	400	3.81	0.127	8.7	65	126	2.7

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比	3	5	8	20	36	40	60	96
BG 80BL02	NO-load speed r/rpm	2666	1600	1000	400	222	200	133	83
	Rated speed r/rpm	2000	1200	750	300	166	150	100	62.5
	Rated torque N.m	1.89	3.15	5	11.2	21.4	23.8	31.5	50.4

外形图Mechanical Dimensions



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BG 86mm



额定负载 Rated torque	70 N.m		
允许瞬间扭矩 Max momentary tolerance torque	120 N.m		
减速比 Reduction ratio	3、4、5、6	10、16、24、36	52.8、64、96、216
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	80	94	108

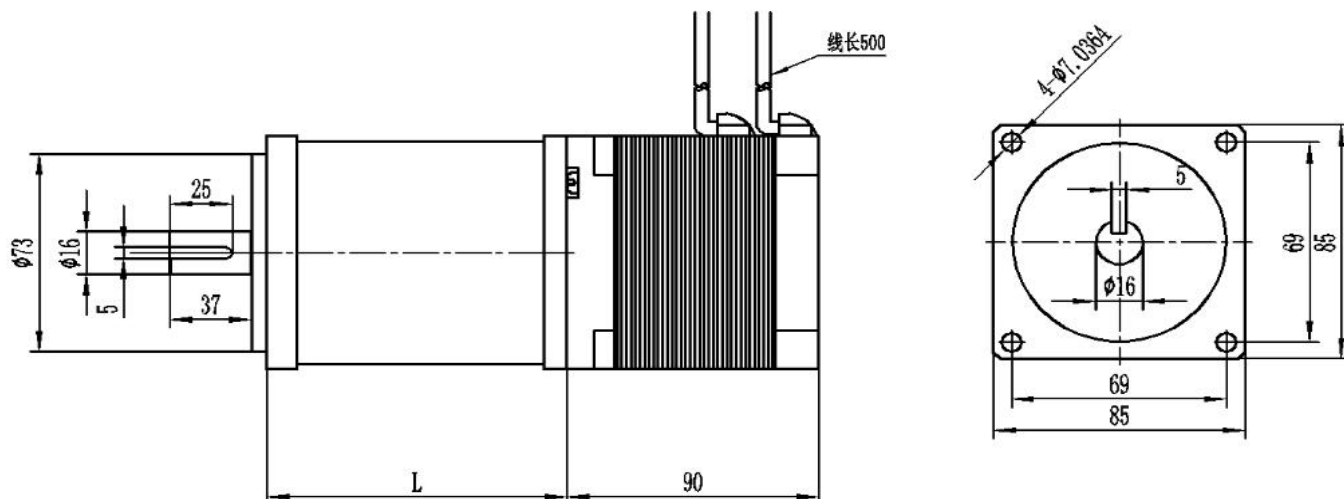
单电机技术参数(Motor Technical Data)

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length	Mass
		Speed	Torque	Current	Power						
	V	rpm	N.m	A	W	N.m	N.m/A	V/KPPM	kg.mm ²	L:mm	Kg
BG 86BL01	48	3000	1	8.5	314	3	0.133	9.8	120	80	2.2
BG 86BL02	48	3000	1.27	10.8	400	3.81	0.133	9.8	160	90	2.6

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比	3	6	10	24	36	64	96	216
BG 86BL01	NO-load speed r/rpm	1333	666	250	166	111	62.5	41	18
	Rated speed r/rpm	1000	500	187	125	83	46	31	13
	Rated torque N.m	2.7	5.4	8.5	20.4	30.6	48	70	70

外形图Mechanical Dimensions



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BG 90mm



额定负载 Rated torque	100 N. m		
允许瞬间扭矩 Max momentary tolerance torque	200 N. m		
减速比 Reduction ratio	3、4、5、6	10、16、24、36	52.8、64、96、216
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	81	95	109

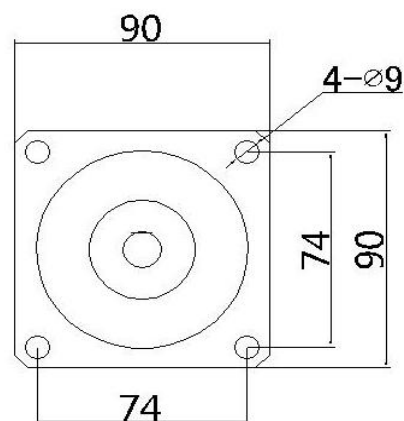
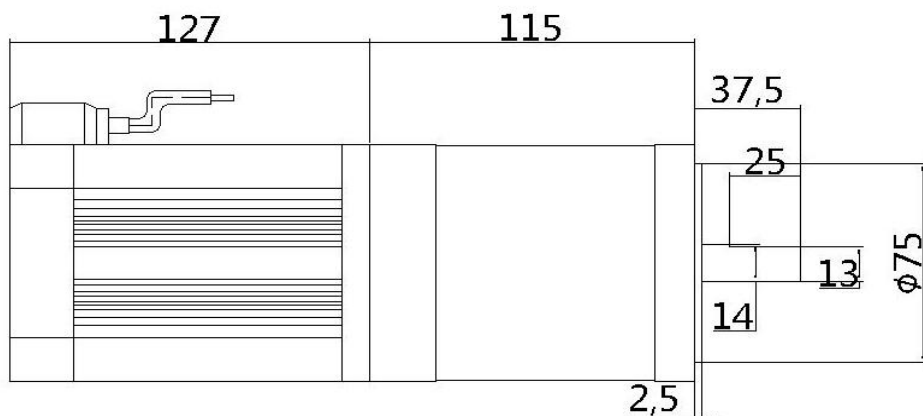
单电机技术参数(Motor Technical Data)

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length	Mass
		Speed	Torque	Current	Power						
	V	rpm	N. m	A	W	N. m	N. m/A	V/KPPM	kg. mm ²	L:mm	Kg
BG 90BL01	48	3000	1.27	10.8	400	3.81	0.133	9.8	160	97	2.7
BG 90BL02	48	3000	1.8	14.8	565	5.4	0.133	9.8	220	112	3.5

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比	3	6	10	24	36	64	96	216
BG 90BL01	NO-load speed r/rpm	1333	666	250	166	111	62.5	41	18
	Rated speed r/rpm	1000	500	187	125	83	46	31	13
	Rated torque N. m	3.42	6.8	10.79	25.9	28.8	61	91.4	100

外形图Mechanical Dimensions



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BG 110mm



额定负载 Rated torque	200 N.m		
允许瞬间扭矩 Max momentary tolerance torque	400 N.m		
减速比 Reduction ratio	3、4、5、6	10、16、24、36	52.8、64、96、216
减速箱级数 Number of gear stages	1	2	3
减速箱长度 gearbox length L (mm)	117	142	167

单电机技术参数(Motor Technical Data)

Model	Voltage	RATED LOAD				Peak Torque	Torque Constant	Back EMF	Rotor inertia	Body Length	Mass
		Speed	Torque	Current	Power						
	V	rpm	N.m	A	W	N.m	N.m/A	V/KPPM	kg.mm ²	L:mm	Kg
BG 110BL01	310	3000	3.2	4.2	1000	9.6	0.79	55	730	110	4.5
BG 110BL02	48	3000	4.8	42	1500	14.4	0.12	8.5	1100	140	5.5

减速电机技术参数(Gear Motor Technical Data)

电机型号	减速比	3	6	10	24	36	64	96	216
BG 110BL01	NO-load speed r/rpm	1333	666	250	166	111	62.5	41	18
	Rated speed r/rpm	1000	500	187	125	83	46	31	13
	Rated torque N.m	8.64	17.2	27.2	65.2	97.92	153.6	200	200

外形图Mechanical Dimensions

