

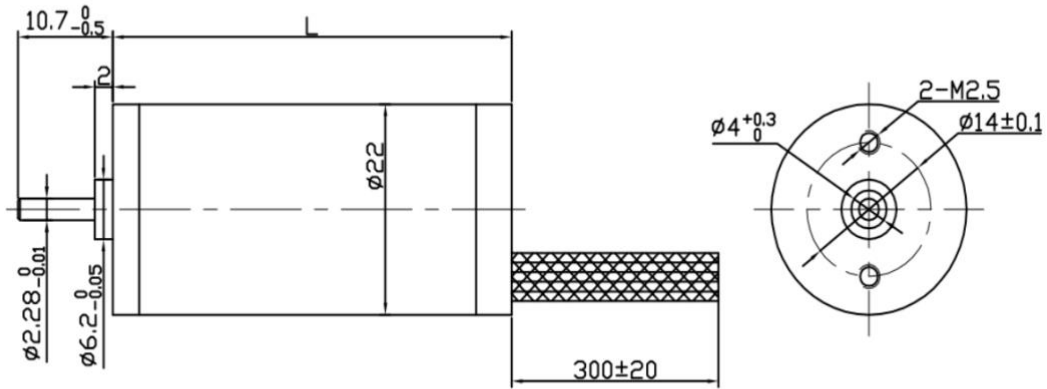
Model: 22MM Brushless DC Motor-JK22BL**General Specification:**

Item	Specification
Winding type	Star
Hall effect angle	120 degree electrical angle
Shaft run out	0.025mm
Radial play	0.02mm@450g
End play	0.08mm@450g
Max.radial force	10N @10mm form the flange
Max.axial force	2N
Insulation class	Class B
Dielectric strength	500VDC for one minute
Insulation resistance	100MΩ Min.,500VDC

Electrical Specification:

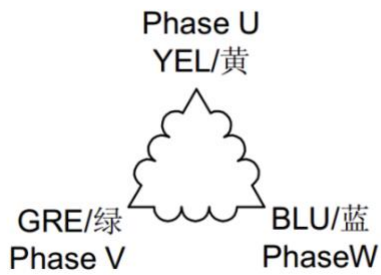
Specification	Unit	Model	
		JK22BL45	JK22BL70
Number Of Phase	Phase	3	
Number Of Poles	Poles	8	
Rated Voltage	VDC	24	
Rated Speed	Rpm	4600	3500
Rated Torque	mN.m	8	22
Rated Power	W	3.4	8
Peak Torque	mN.m	21	50
Peak Current	Amps	1.1	1.5
Torque Constant	mN.m/A	30.2	35.5
Rotor Inertia	g.cm ²	0.66	1.32
Body Length	mm	45	70
Weight	Kg	0.07	0.12
Sensor	Honeywell		
Insulation Class	B		
Degree of Protection	IP30		
Storage Temperature	-25~+70°C		
Operating Temperature	-15~+50°C		
Working Humidity	<=85% RH		
Working Environment	No direct sunlight, non-corrosive gas, flammable gas, oil mist, no dust		
Altitude	<=1000m		

Dimensions:
(Unit=mm)

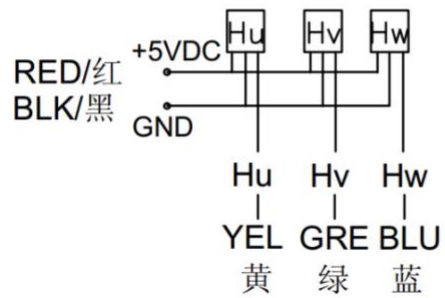


Wiring Diagram:

绕组接线图
Winding Diagram



霍尔接线图
Hall Sensor Wiring Diagram



2.1 直流无刷电机 Brushless Dc motor

JK28BL圆形 28mm Round BLDC motor

基本性能 / General Specification:

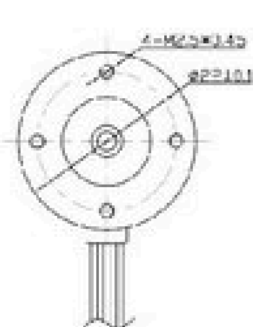
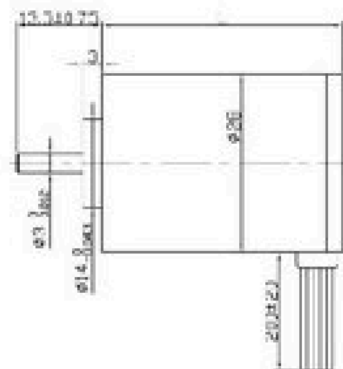
项目	Item	性能 (Specification)
绕组连接方式	Winding type	星型连接 Star
霍尔分布角度	Hall effect angle	120度电角度 120 degree electrical angle
转轴跳动	Shaft run out	0.025mm
径向间隙	Radial play	0.02mm@450g
轴向间隙	End play	0.08mm@450g
径向最大承受力	Max.radial force	15N@10mm form the flange
轴向最大承受力	Max.axial force	10N
绝缘等级	Insulation class	Class B
介电强度	Dielectric strength	500VDC for one minute
绝缘电阻	Insulation resistance	100MΩ Min.,500VDC



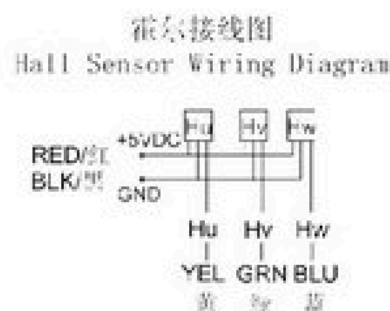
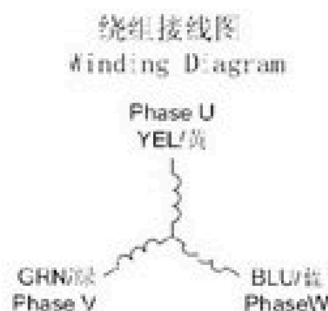
电机规格 / Electrical Specification:

型号 Model No.	单位 Unit	型号 / Model		
		JK28BL26	JK28BL38	JK28BL77
相数 Number Of Phase	Phase	3		
极数 Number Of Poles	Poles	4		
额定电压 Rated Voltage	VDC	15	24	
额定转速 Rated Speed	Rpm	8000	10000	3100
额定转矩 Rated Torque	mN.m	7	14.12	50
额定功率 Rated Power	W	6	14.78	16
峰值扭矩 Peak Torque	mN.m	21	42.4	150
峰值电流 Peak Current	Amps	1.53	2.8	3
转矩常数 Torque Constant	mN.m/A	13.7	16	35.56
转动惯量 Rotor Inertia	g.cm ²	1.23	2.12	5.98
机身长度 Body Length	mm	26	38	77
重量 Weight	Kg	0.06	0.082	0.2
传感器 Sensor	霍尔/Honeywell			
绝缘等级 Insulation Class	B			
防护等级 Degree of Protection	IP30			
存储温度 Storage Temperature	-25 ~ +70°C			
工作温度 Operating Temperature	-15 ~ +50°C			
工作湿度 Working Humidity	85% RH或以下 (无结露) <=85% RH			
工作环境 Working Environment	户外(无阳光直射), 无腐蚀性气体, 无易燃气体, 无油雾, 无尘埃 No direct sunlight, non-corrosive gas, flammable gas, oil mist, no dust			
海拔高度 Altitude	1000米或以下			

电机外型图 / Dimensions: (单位 / Unit = mm)



接线图 / Wiring Diagram:



2.1 直流无刷电机 Brushless Dc motor

JK36BL圆形 36mm Round BLDC motor

基本性能 / General Specification:

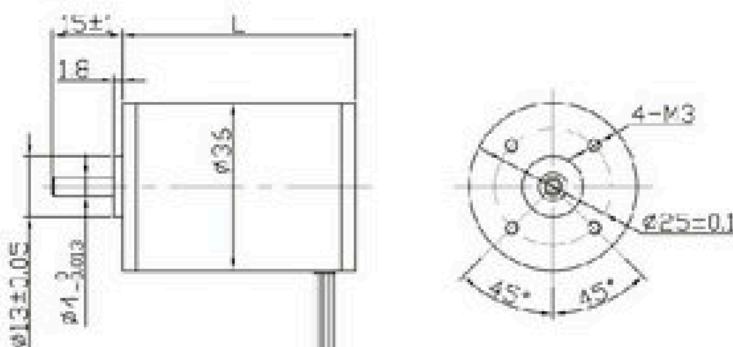
项目	Item	性能 (Specification)
绕组连接方式	Winding type	星型连接 Star
霍尔分布角度	Hall effect angle	120度电角度 120 degree electrical angle
转轴跳动	Shaft run out	0.025mm
径向间隙	Radial play	0.02mm@450g
轴向间隙	End play	0.08mm@450g
径向最大承受力	Max.radial force	15N@10mm form the flange
轴向最大承受力	Max.axial force	10N
绝缘等级	Insulation class	Class B
介电强度	Dielectric strength	500VDC for one minute
绝缘电阻	Insulation resistance	100MΩ Min.,500VDC



电机规格 / Electrical Specification:

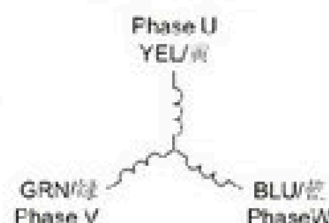
型号 Model No.	单位 Unit	型号 / Model		
		JK36BL40	JK36BL50	JK36BL60
相数 Number Of Phase	Phase	3		
极数 Number Of Poles	Poles	4		
额定电压 Rated Voltage	VDC	12	24	
额定转速 Rated Speed	Rpm	4000	6000	8000
额定转矩 Rated Torque	mN.m	12	21	30
额定功率 Rated Power	W	5	13	25
峰值扭矩 Peak Torque	mN.m	36	63	90
峰值电流 Peak Current	Amps	1.6	2.1	3.8
转矩常数 Torque Constant	mN.m/A	20.8	30.6	24.1
转动惯量 Rotor Inertia	g.cm ²	4.6	8.2	12
机身长度 Body Length	mm	40	50	60
重量 Weight	Kg	0.15	0.18	0.22
传感器 Sensor	霍尔/Honeywell			
绝缘等级 Insulation Class	B			
防护等级 Degree of Protection	IP30			
存储温度 Storage Temperature	-25 ~ +70°C			
工作温度 Operating Temperature	-15 ~ +50°C			
工作湿度 Working Humidity	85% RH或以下 (无结露) ≤85% RH			
工作环境 Working Environment	户外(无阳光直射), 无腐蚀性气体, 无易燃气体, 无油雾, 无尘埃 No direct sunlight, non-corrosive gas, flammable gas, oil mist, no dust			
海拔高度 Altitude	1000米或以下			

电机外型图 / Dimensions: (单位 / Unit = mm)

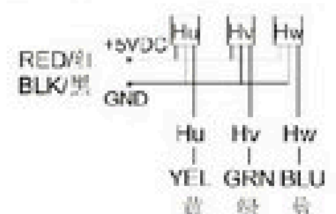


接线图 / Wiring Diagram:

绕组接线图
Winding Diagram



霍尔接线图
Hall Sensor Wiring Diagram



2.1 直流无刷电机 Brushless Dc motor

JK42BL圆形 42mm Round BLDC motor

基本性能 / General Specification:

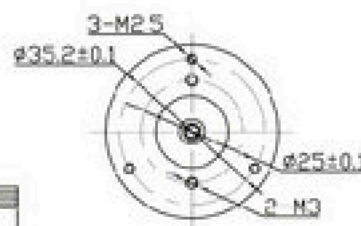
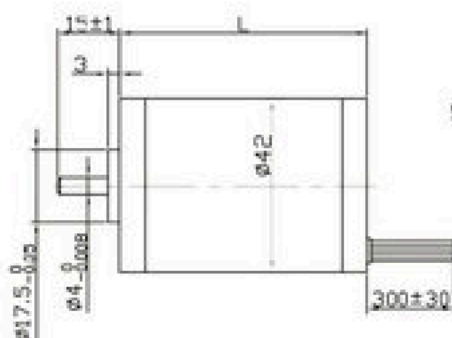
项目	Item	性能 (Specification)
绕组连接方式	Winding type	星型连接 Star
霍尔分布角度	Hall effect angle	120度电角度 120 degree electrical angle
转轴跳动	Shaft run out	0.025mm
径向间隙	Radial play	0.02mm@450g
轴向间隙	End play	0.08mm@450g
径向最大承受力	Max.radial force	15N@10mm form the flange
轴向最大承受力	Max.axial force	10N
绝缘等级	Insulation class	Class B
介电强度	Dielectric strength	500VDC for one minute
绝缘电阻	Insulation resistance	100MΩ Min.,500VDC



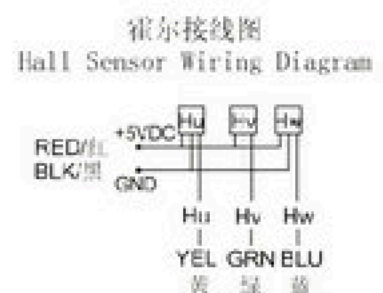
电机规格 / Electrical Specification:

型号 Model No.	单位 Unit	型号 / Model			
		JK42BL30	JK42BL60	JK42BL85	JK42BL93
相数 Number Of Phase	Phase	3			
极数 Number Of Poles	Poles	8			
额定电压 Rated Voltage	VDC	24	36	24	24
额定转速 Rated Speed	Rpm	3500	4000	4000	6300
额定转矩 Rated Torque	mN.m	18	80	150	115
额定功率 Rated Power	W	6.5	32	62	76
峰值扭矩 Peak Torque	mN.m	60	240	450	500
峰值电流 Peak Current	Amps	1.5	5	7.5	10
转矩常数 Torque Constant	mN.m/A	48.7	38.5	38.6	28.7
转动惯量 Rotor Inertia	g.cm ²	15.6	33	84	94
机身长度 Body Length	mm	30	60	85	93
重量 Weight	Kg	0.25	0.35	0.7	0.8
传感器 Sensor	霍尔/Honeywell				
绝缘等级 Insulation Class	B				
防护等级 Degree of Protection	IP30				
存储温度 Storage Temperature	-25 ~ +70°C				
工作温度 Operating Temperature	-15 ~ +50°C				
工作湿度 Working Humidity	85% RH或以下 (无结露) <=85% RH				
工作环境 Working Environment	户外(无阳光直射), 无腐蚀气体, 无易燃气体, 无油雾, 无尘埃 No direct sunlight, non-corrosive gas, flammable gas, oil mist, no dust				
海拔高度 Altitude	1000米或以下				

电机外型图 / Dimensions: (单位 / Unit = mm)



接线图 / Wiring Diagram:



2.1 直流无刷电机 Brushless Dc motor

JK57BLS方形 57mm Square BLDC motor

基本性能 / General Specification:

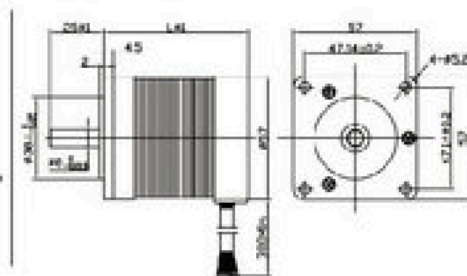
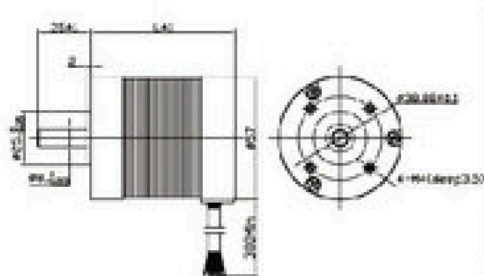
项目	Item	性能 (Specification)
绕组连接方式	Winding type	星型连接 Star
霍尔分布角度	Hall effect angle	120度电角度 120 degree electrical angle
转轴跳动	Shaft run out	0.025mm
径向间隙	Radial play	0.02mm@450g
轴向间隙	End play	0.08mm@450g
径向最大承受力	Max.radial force	75N@20mm from the flange
轴向最大承受力	Max.axial force	15N
绝缘等级	Insulation class	Class B
介电强度	Dielectric strength	500VDC for one minute
绝缘电阻	Insulation resistance	100MΩ Min.,500VDC



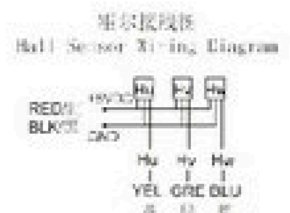
电机规格 / Electrical Specification:

型号 Model No.	单位 Unit	型号 / Model					
		JK57BLS005	JK57BLS01	JK57BLS02	JK57BLS03	JK57BLS04	
相数	Number Of Phase	Phase					
极数	Number Of Poles	Poles					
额定电压	Rated Voltage	VDC					
额定转速	Rated Speed	Rpm					
额定转矩	Rated Torque	N.m	0.055	0.11	0.22	0.33	0.44
额定电流	Rated Current	Amps	1.2	2	3.6	5.3	6.8
额定功率	Rated Power	W	23	46	92	138	184
峰值扭矩	Peak Torque	N.m	0.16	0.33	0.66	1	1.32
峰值电流	Peak Current	Amps	3.5	6.8	11.5	15.5	20.5
反电势系数	Back E.M.F	V/Krpm	7.8	7.7	7.4	7.3	7.1
转矩常数	Torque Constant	N.m/A	0.074	0.073	0.07	0.07	0.068
转动惯量	Rotor Inertia	g.cm ²	30	75	119	173	230
机身长度	Body Length	mm	37	47	67	87	107
重量	Weight	Kg	0.33	0.44	0.75	1	1.25
传感器	Sensor	霍尔/Honeywell					
绝缘等级	Insulation Class	B					
防护等级	Degree of Protection	IP30					
存储温度	Storage Temperature	-25 ~ +70°C					
工作温度	Operating Temperature	-15 ~ +50°C					
工作湿度	Working Humidity	85% RH或以下 (无结露) ≤85% RH					
工作环境	Working Environment	户外(无阳光直射), 无腐蚀气体, 无易燃气体, 无油雾, 无尘埃 No direct sunlight, non-corrosive gas, flammable gas, oil mist, no dust					
海拔高度	Altitude	1000米或以下					

电机外型图 / Dimensions: (单位 / Unit = mm)



接线图 / Wiring Diagram:



2.1 直流无刷电机 Brushless Dc motor

JK80BLS圆形 80mm Round BLDC motor

基本性能 / General Specification:

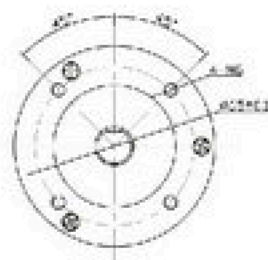
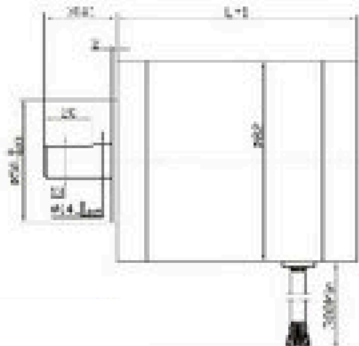
项目	Item	性能 (Specification)
绕组连接方式	Winding type	星型连接 Star
霍尔分布角度	Hall effect angle	120度电角度 120 degree electrical angle
转轴跳动	Shaft run out	0.025mm
径向间隙	Radial play	0.02mm@450g
轴向间隙	End play	0.08mm@450g
径向最大承受力	Max.radial force	115N@20mm form the flange
轴向最大承受力	Max.axial force	45N
绝缘等级	Insulation class	Class B
介电强度	Dielectric strength	500VDC for one minute
绝缘电阻	Insulation resistance	100MΩ Min.,500VDC



电机规格 / Electrical Specification:

型号 Model No.	单位 Unit	型号 / Model				
		JK80BLS01	JK80BLS02	JK80BLS03	JK80BLS04	
相数	Number Of Phase	3				
极数	Number Of Poles	4				
额定电压	Rated Voltage	VDC				
额定转速	Rated Speed	Rpm				
额定转矩	Rated Torque	N.m	0.35	0.7	1.05	1.4
额定电流	Rated Current	Amps	3	5.5	8	10.5
额定功率	Rated Power	W	110	220	330	440
峰值扭矩	Peak Torque	N.m	1.05	2.1	3.15	4.2
峰值电流	Peak Current	Amps	9	16.5	24	31.5
反电势系数	Back E.M.F	V/Krpm	13.5	13.3	13.1	13
转矩常数	Torque Constant	N.m/A	0.13	0.127	0.126	0.124
转动惯量	Rotor Inertia	g.cm ²	210	420	630	840
机身长度	Body Length	mm	78	98	118	138
重量	Weight	Kg	1.4	2	2.6	3.2
传感器	Sensor	霍尔/Honeywell				
绝缘等级	Insulation Class	B				
防护等级	Degree of Protection	IP30				
存储温度	Storage Temperature	-25 ~ +70℃				
工作温度	Operating Temperature	-15 ~ +50℃				
工作湿度	Working Humidity	85% RH或以下 (无结露) <=85% RH				
工作环境	Working Environment	户外(无阳光直射), 无腐蚀气体, 无易燃气体, 无油雾, 无尘埃 No direct sunlight, non-corrosive gas, flammable gas, oil mist, no dust				
海拔高度	Altitude	1000米或以下				

电机外型图 / Dimensions: (单位 / Unit = mm)



接线图 / Wiring Diagram:

