

## 32ZYN系列钕铁硼稀土磁钢有刷直流电机 32ZYN Series NdFeB Magnets Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能钕铁硼磁钢 2-极 Magnet: NdFeB Magnet, 2- Poles  
 保护等级: IP50 Protection Class: IP50  
 绝缘等级: F级 / 工作温度: -40°C~+140°C  
 Insulation Class: Class F / Working Temperature: -40°C~+140°C

### 可供选择 Options:

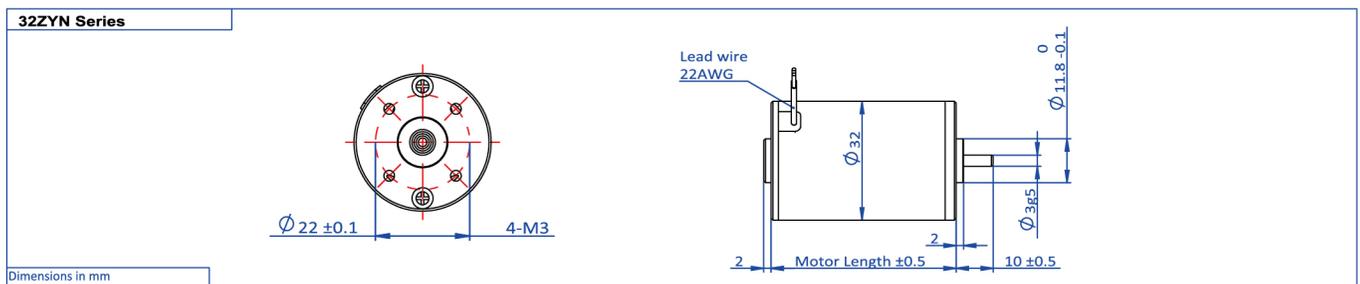
客户定制电压, 电性能, 出轴, 安装面, 引出线等。  
 Customized Voltage, Winding, Shaft, Mounting, and Lead Configurations  
 以及EMI/RFI 电路, 防水等级, 热保护, 耐高温等级  
 EMI/RFI Suppression Circuit, IP Grade, Thermal Protection, High Temperature Insulation



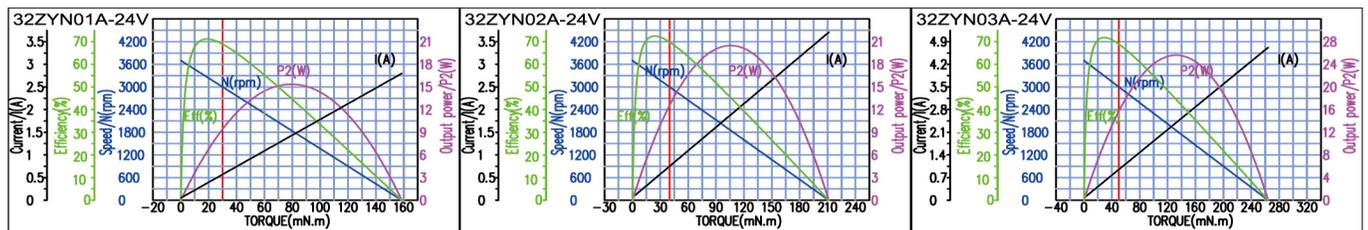
### 电机主要性能参数 Motor Main Characteristics:

型号 Model	单位 Unit	32ZYN01A	32ZYN02A	32ZYN03A
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到48v) ; 24v (option for 12v up to 48vdc)		
空载转速 No Load Speed	rpm	3700	3700	3700
额定力矩 Rated Torque	mN.m	30	40	50
额定转速 Rated Speed	rpm	3000	3000	3000
额定电流 Rated Current	A	0.6	0.75	0.95
额定功率 Output Power	W	9.4	12.6	15.7
重量 Weight	g	200	240	280
机身长度 Motor Length	mm	60	70	80

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 36ZYT系列有刷直流电机 36ZYT Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54 )  
 绝缘等级: F级 / 工作温度:-40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

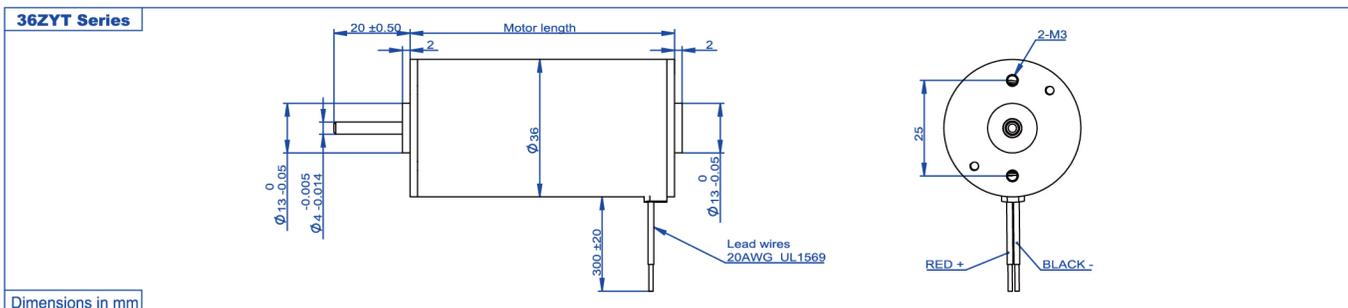
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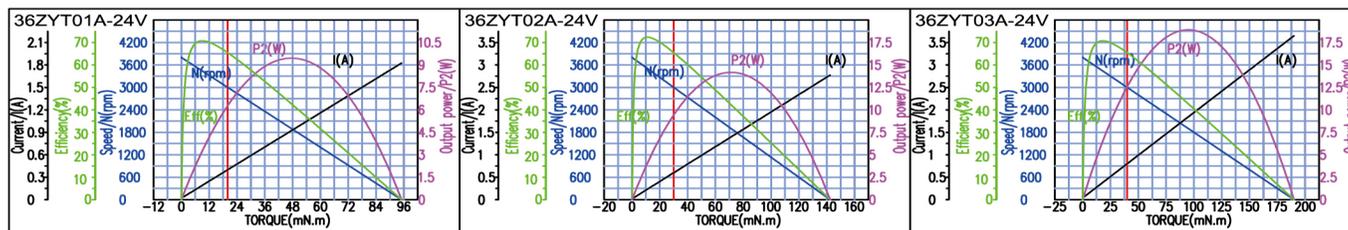
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	36ZYT01A	36ZYT02A	36ZYT03A
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到48v) ; 24v (option for 12v up to 48vdc)		
空载转速 No Load Speed	rpm	3800	3800	3800
额定力矩 Rated Torque	mN.m	20	30	40
额定转速 Rated Speed	rpm	3000	3000	3000
额定电流 Rated Current	A	0.4	0.6	0.8
额定输出功率 Output Power	W	6.3	9.4	12.6
重量 Weight	g	260	300	340
机身长度 Motor Length	mm	60	70	80

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 38ZYN系列钕铁硼稀土磁钢有刷直流电机 38ZYN Series NdFeB Magnets Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能钕铁硼磁钢 2-极 Magnet: NdFeB Magnet, 2- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54 )  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

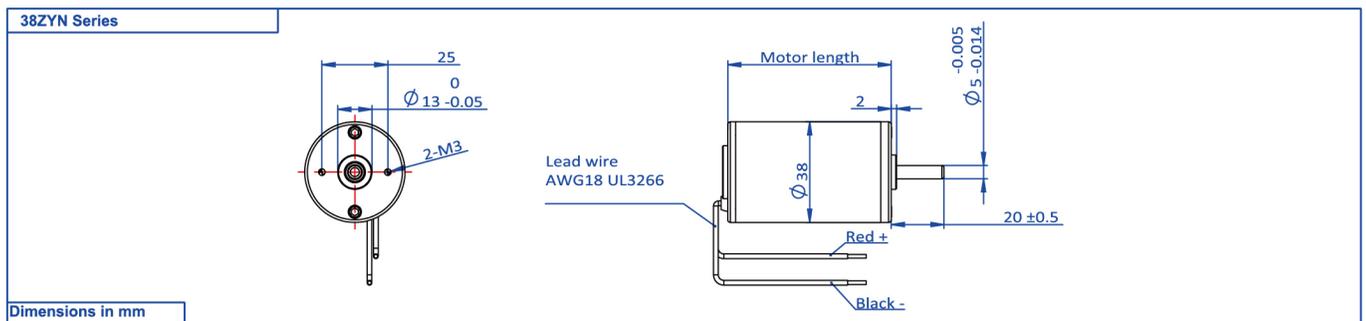
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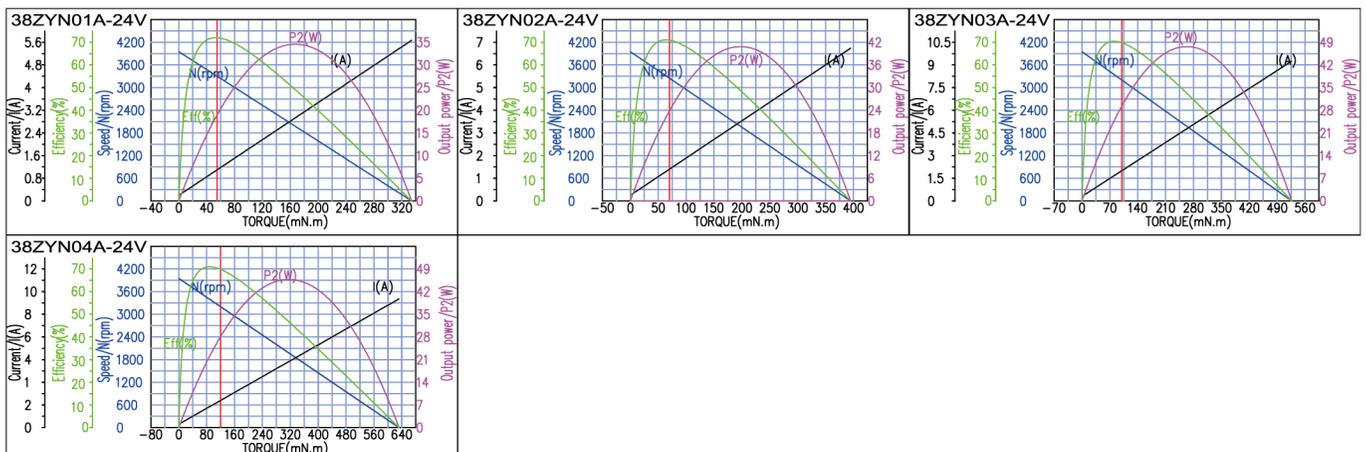
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	38ZYN01A	38ZYN02A	38ZYN03A	38ZYN04A
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到60v) ; 24v (option for 12v up to 60vdc)			
空载转速 No Load Speed	rpm	3950	3950	3950	3950
额定力矩 Rated Torque	mN.m	55	70	100	120
额定转速 Rated Speed	rpm	3300	3250	3200	3200
额定电流 Rated Current	A	1.13	1.42	2.0	2.4
额定功率 Output Power	W	19	23.8	33.5	40.2
重量 Weight	g	260	300	340	380
机身长度 Motor Length	mm	60	70	80	90

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 42ZYT系列有刷直流电机 42ZYT Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP40 Protection Class: IP40  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

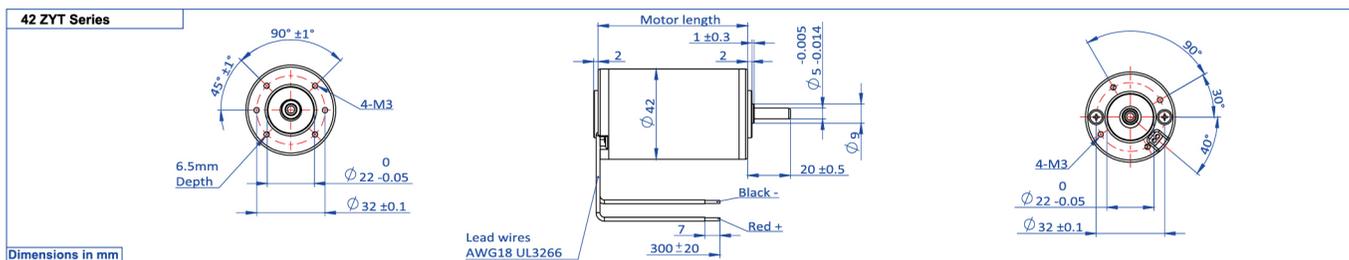
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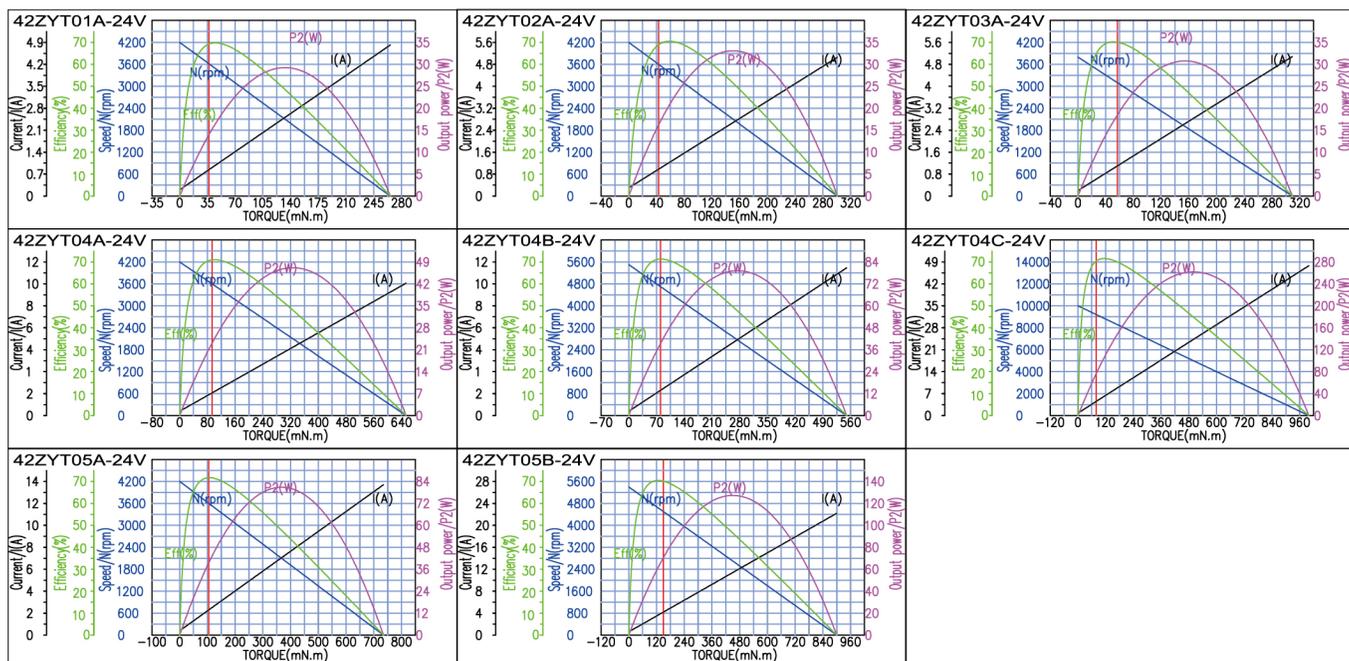
### 电机主要性能参数 Motor Main Characteristics:

型号 Model	单位 Unit	42ZYT01A	42ZYT02A	42ZYT03A	42ZYT04A	42ZYT04B	42ZYT04C	42ZYT05A	42ZYT05B
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到60vdc) ; 24v (option for 12v up to 60vdc)							
空载转速 No Load Speed	rpm	4200	4200	3800	4200	5500	10000	4200	5400
额定力矩 Rated Torque	mN.m	38	43	57	70	80	100	105	150
额定转速 Rated Speed	rpm	3600	3600	3100	3600	4700	9000	3600	4500
额定电流 Rated Current	A	0.86	0.98	1.2	1.6	2.4	6	2.3	4
额定输出功率 Output Power	W	14.3	16.2	18.5	26.4	39.4	94.2	39.6	70.7
重量 Weight	g	390	460	500	540	540	540	700	700
机身长度 Motor Length	mm	70	80	85	90	90	90	115	115

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 52ZYT 系列有刷直流电机 52ZYT Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54)  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

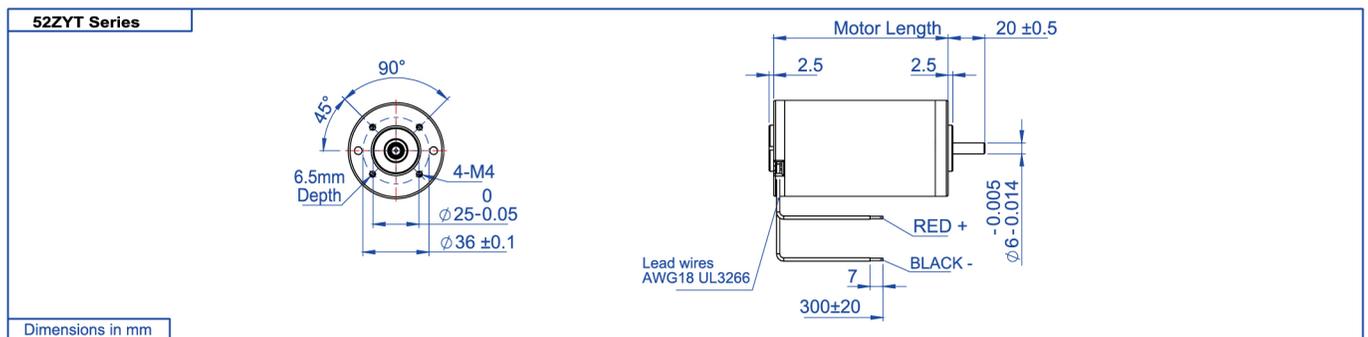
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 EMI/RFI Suppression Circuit, IP Grade, Thermal Protection, High Temperature Insulation



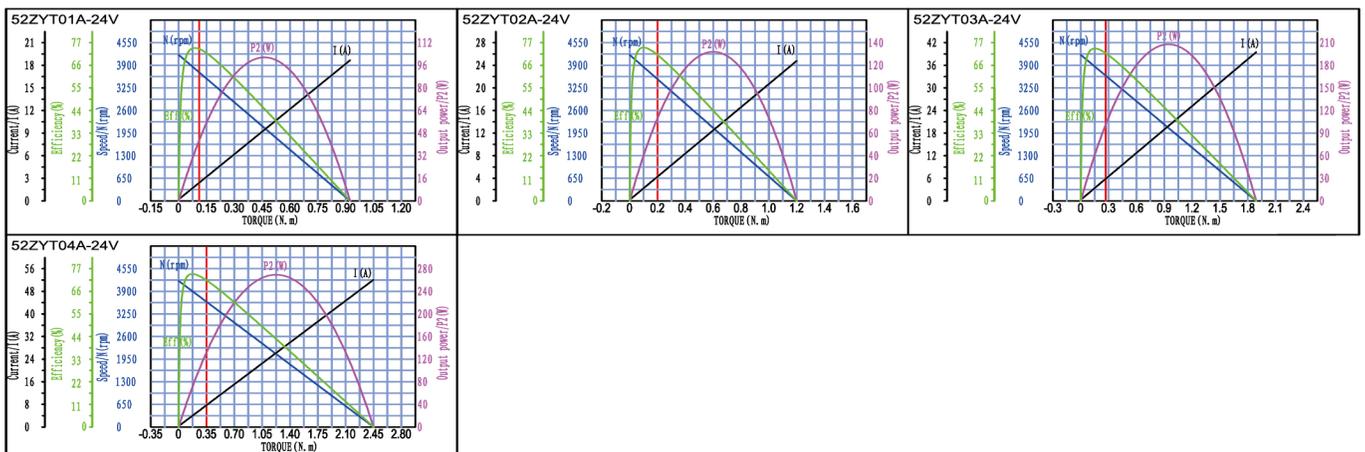
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	52ZYT01A	52ZYT02A	52ZYT03A	52ZYT04A
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到120v) ; 24v (option for 12v up to 120vdc)			
空载转速 No Load Speed	rpm	4200	4200	4200	4200
额定力矩 Rated Torque	N.m	0.11	0.20	0.27	0.35
额定转速 Rated Speed	rpm	3700	3500	3600	3600
额定电流 Rated Current	A	2.5	4.2	5.8	7.4
额定功率 Output Power	W	42.5	73	102	132
重量 Weight	kg	0.85	1.0	1.15	1.30
机身长度 Motor Length	mm	95	110	125	140

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 54ZYT 系列有刷直流电机 54ZYT Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP40 Protection Class: IP40  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

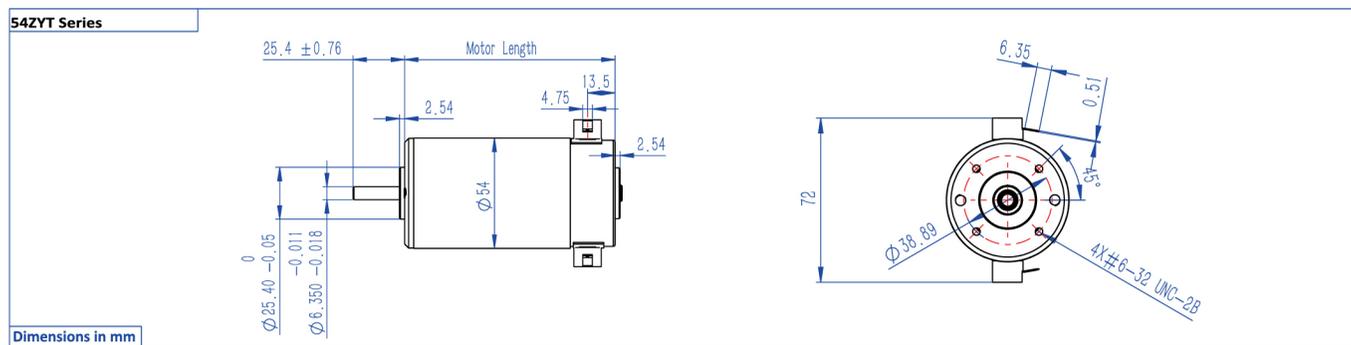
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 EMI/RFI Suppression Circuit, IP Grade, Thermal Protection, High Temperature Insulation



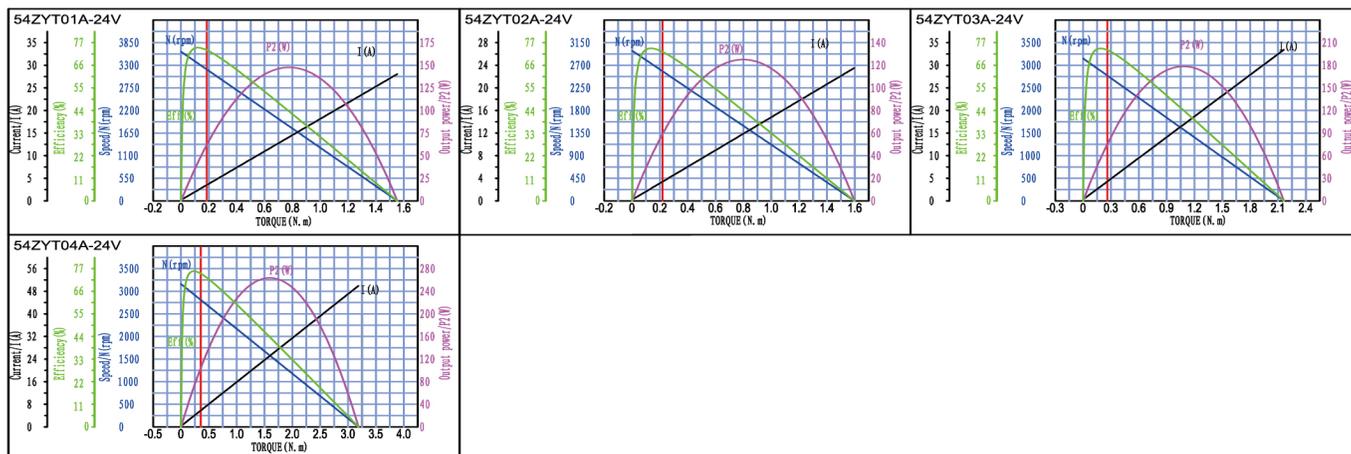
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	54ZYT01A	54ZYT02A	54ZYT03A	54ZYT04A
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到120v) ; 24v (option for 12v up to 120vdc)			
空载转速 No Load Speed	rpm	3630	2990	3150	3160
额定力矩 Rated Torque	N.m	0.18	0.22	0.26	0.35
额定转速 Rated Speed	rpm	3200	2580	2770	2810
额定电流 Rated Current	A	3.5	3.3	4.3	5.8
额定功率 Output Power	W	62	59	76	104
重量 Weight	kg	1	1.12	1.28	1.55
机身长度 Motor Length	mm	103.5	113	126	145

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 60ZYT系列有刷直流电机 60ZYT Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54)  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

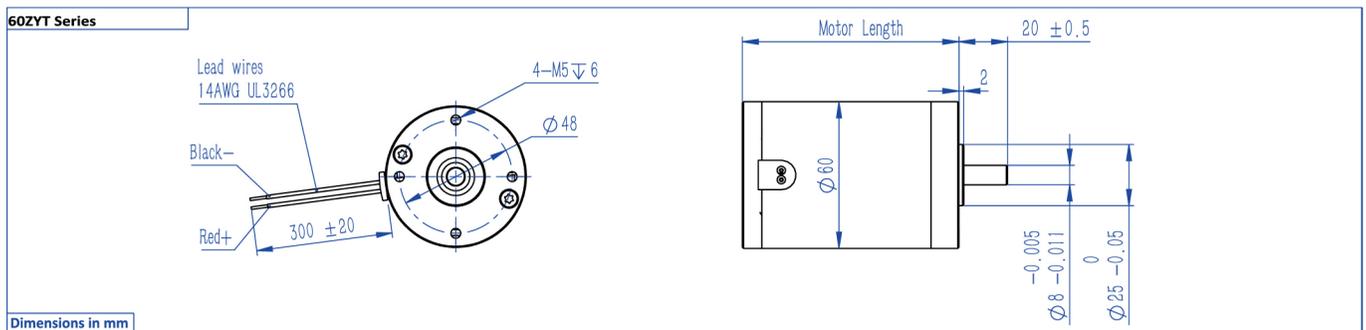
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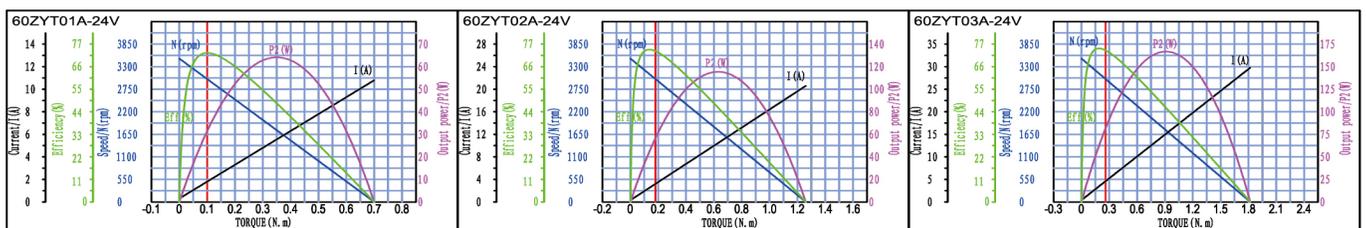
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	60ZYT01A	60ZYT02A	60ZYT03A
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到120v) ; 24v (option for 12v up to 120vdc)		
空载转速 No Load Speed	rpm	3500	3500	3500
额定力矩 Rated Torque	N.m	0.1	0.18	0.26
额定转速 Rated Speed	rpm	3000	3000	3000
额定电流 Rated Current	A	1.8	3.2	4.6
额定输出功率 Output Power	W	31.5	56.5	81.5
重量 Weight	kg	0.85	1.00	1.15
机身长度 Motor Length	mm	85	100	115

### 图纸 Drawing



### 力矩曲线 Torque Curve:



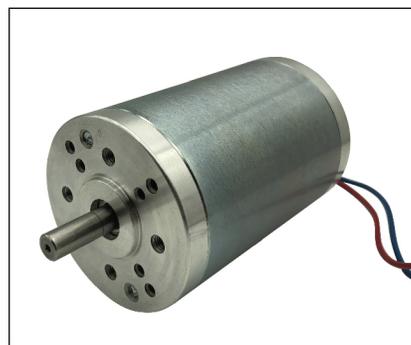
## 63ZYT系列有刷直流电机 63ZYT Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54 )  
 绝缘等级: F级 / 工作温度:-40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

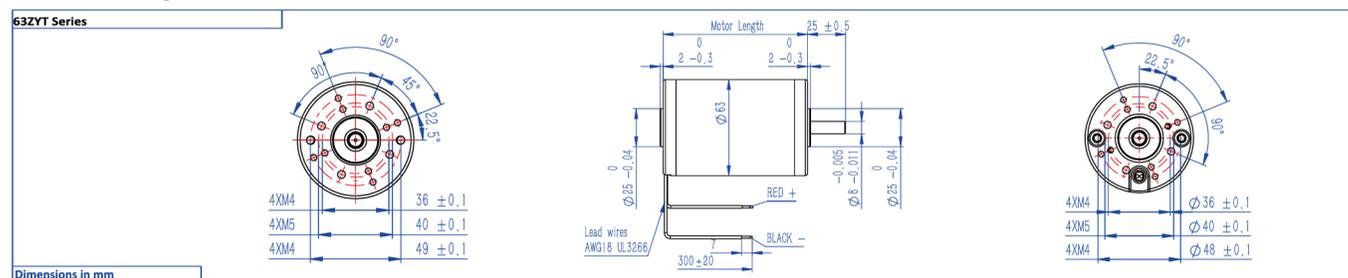
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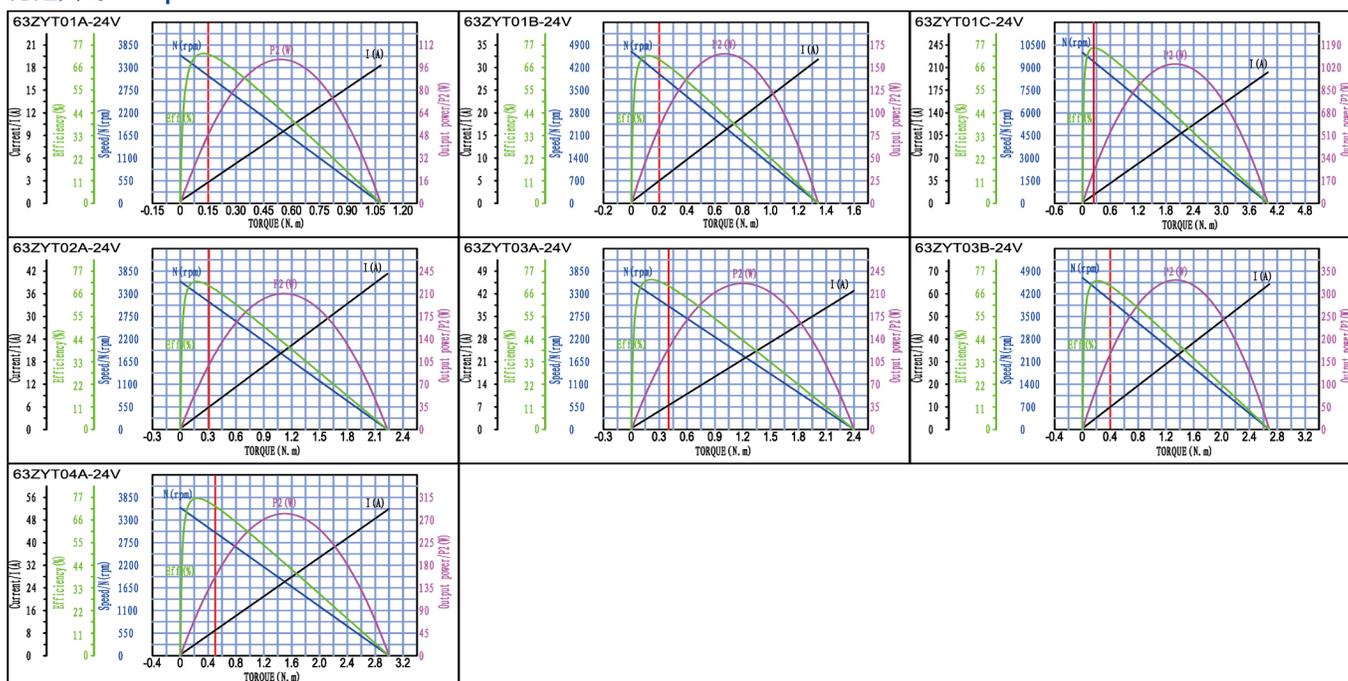
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	63ZYT01A	63ZYT01B	63ZYT01C	63ZYT02A	63ZYT03A	63ZYT03B	63ZYT04A	
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到220vdc) ; 24v (option for 12v up to 220vdc)							
空载转速 No Load Speed	rpm	3600	4700	10000	3600	3600	4700	3600	
额定力矩 Rated Torque	N.m	0.14	0.20	0.24	0.31	0.40	0.40	0.50	
额定转速 Rated Speed	rpm	3300	4000	9350	3100	3000	4000	3000	
额定电流 Rated Current	A	2.7	5.0	13.0	6.0	7.5	10.0	9.0	
额定输出功率 Output Power	W	50	84	200	100	125	168	157	
重量 Weight	kg	1	1	1	1.2	1.35	1.35	1.5	
机身长度 Motor Length	mm	95	95	95	110	125	125	140	

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 70ZYT系列有刷直流电机 70ZYT Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54)  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

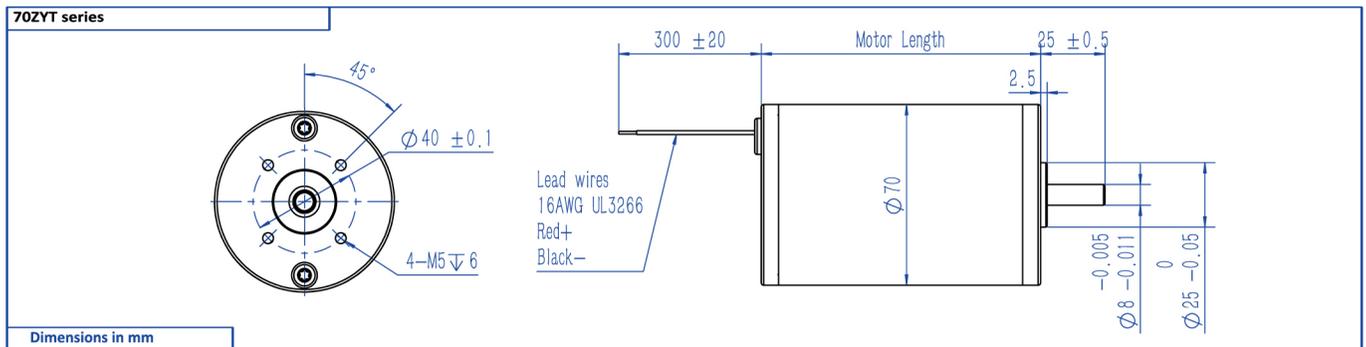
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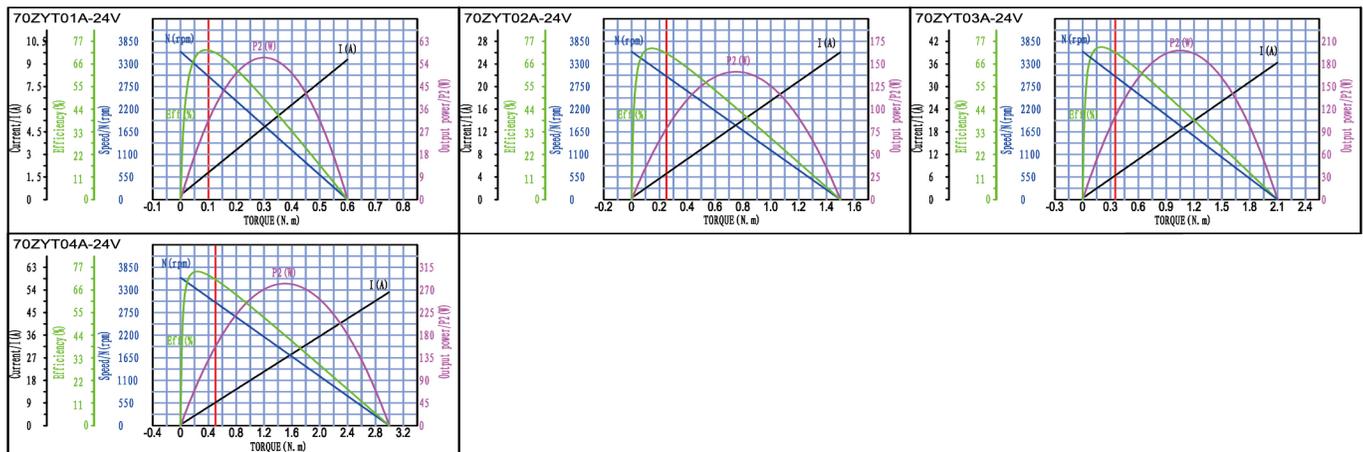
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	70ZYT01A	70ZYT02A	70ZYT03A	70ZYT04A
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到220v) ; 24v (option for 12v up to 220vdc)			
空载转速 No Load Speed	rpm	3600	3600	3600	3600
额定力矩 Rated Torque	N.m	0.1	0.25	0.35	0.5
额定转速 Rated Speed	rpm	3000	3000	3000	3000
额定电流 Rated Current	A	1.8	4.6	6.4	9.2
额定输出功率 Output Power	W	31	78.5	110	157
重量 Weight	kg	0.85	1.25	1.45	1.65
机身长度 Motor Length	mm	79	99	109	129

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 76ZYT系列有刷直流电机 76ZYT Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54 )  
 绝缘等级: F级 / 工作温度:-40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

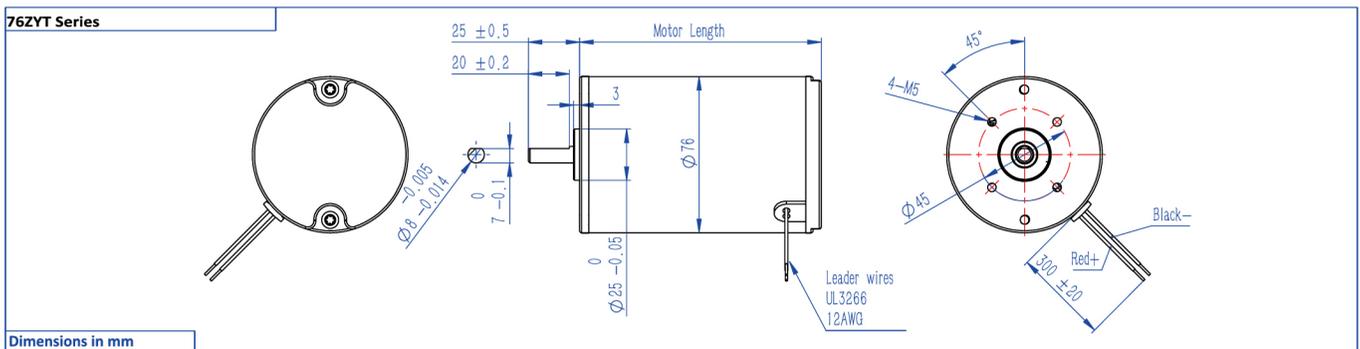
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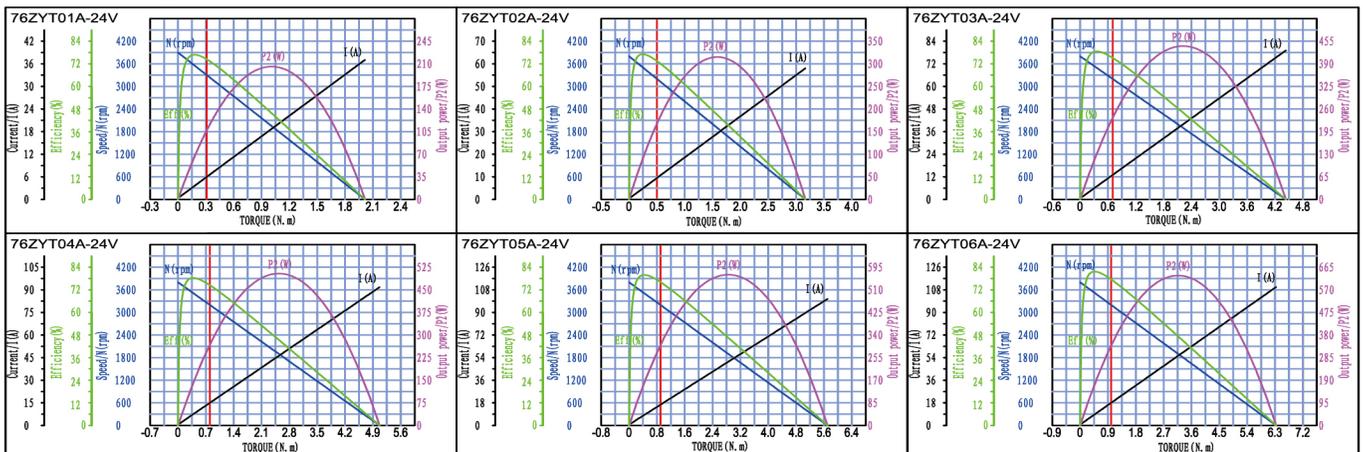
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	76ZYT01A	76ZYT02A	76ZYT03A	76ZYT04A	76ZYT05A	76ZYT06A
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到220vdc) ; 24v (option for 12v up to 220vdc)					
空载转速 No Load Speed	rpm	3900	3800	3800	3800	3800	3800
额定力矩 Rated Torque	N.m	0.31	0.50	0.70	0.80	0.90	1.0
额定转速 Rated Speed	rpm	3300	3200	3200	3200	3200	3200
额定电流 Rated Current	A	6.0	9.5	13	15.0	16.5	18.0
额定输出功率 Output Power	W	107	167	235	268	301	335
重量 Weight	kg	1.5	2.0	2.5	2.8	3.05	3.3
机身长度 Motor Length	mm	98	118	138	150	160	171

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 80ZYT系列有刷直流电机 80ZYT Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54)  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

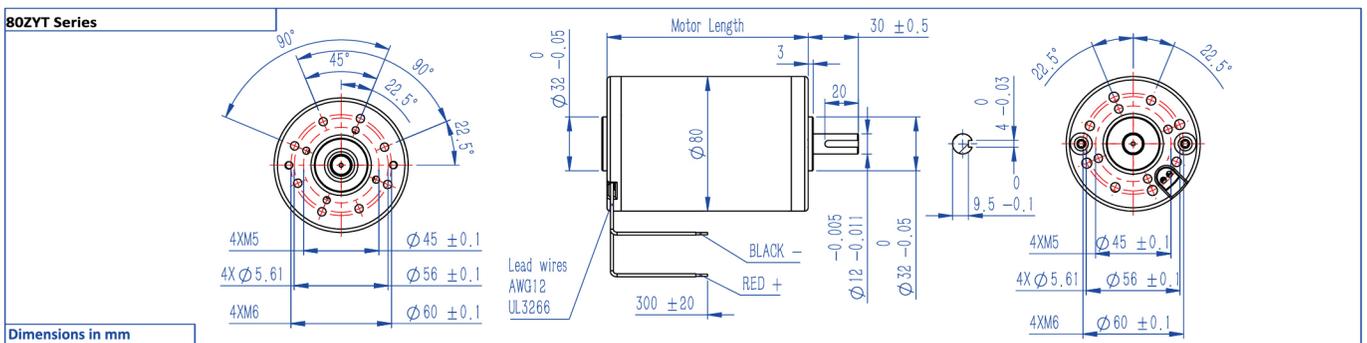
客户定制电压, 电性能, 出轴, 安装面, 引出线等。  
 Customized Voltage, Winding, Shaft, Mounting, and Lead Configurations  
 以及EMI/RFI 电路, 防水等级, 热保护, 耐高温等级  
 EMI/RFI Suppression Circuit, IP Grade, Thermal Protection, High Temperature Insulation



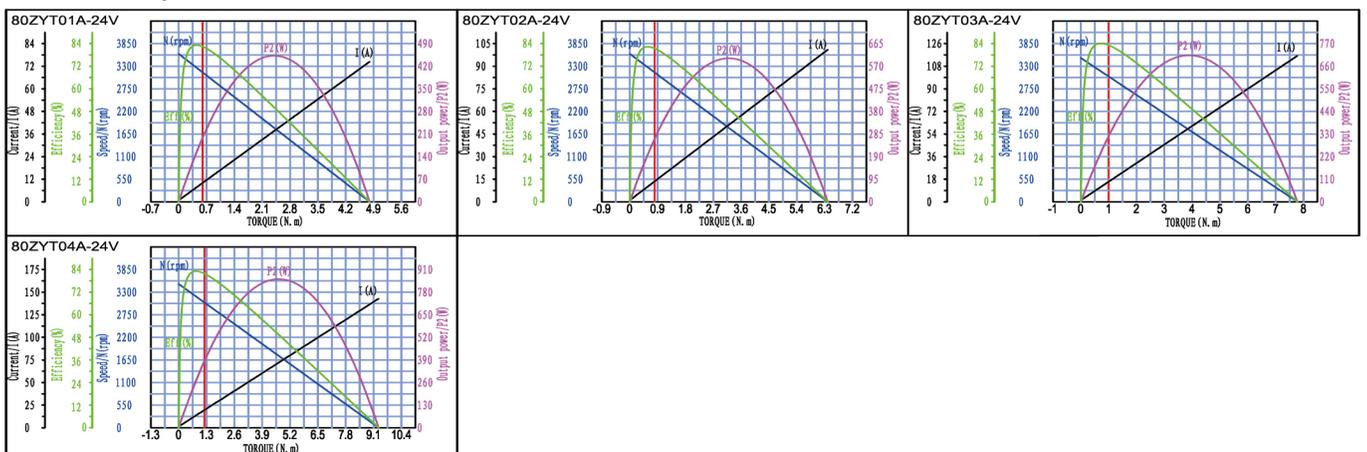
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	80ZYT01A	80ZYT02A	80ZYT03A	80ZYT04A
额定电压 Rated Voltage	Vdc	24v (可定制直流12v到220v) ; 24v (option for 12v up to 220vdc)			
空载转速 No Load Speed	rpm	3600	3600	3500	3500
额定力矩 Rated Torque	N.m	0.6	0.8	1.0	1.2
额定转速 Rated Speed	rpm	3150	3150	3050	3050
额定电流 Rated Current	A	10.0	13.5	15.5	20.0
额定功率 Output Power	W	200	265	320	383
重量 Weight	kg	2.5	3	3.5	4.0
机身长度 Motor Length	mm	120	140	160	175

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 90ZYT-R系列有刷直流电机 90ZYT-R Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 4-极 Magnet: Hard Ferrite Magnet, 4- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54 )  
 绝缘等级: F级 / 工作温度:-40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

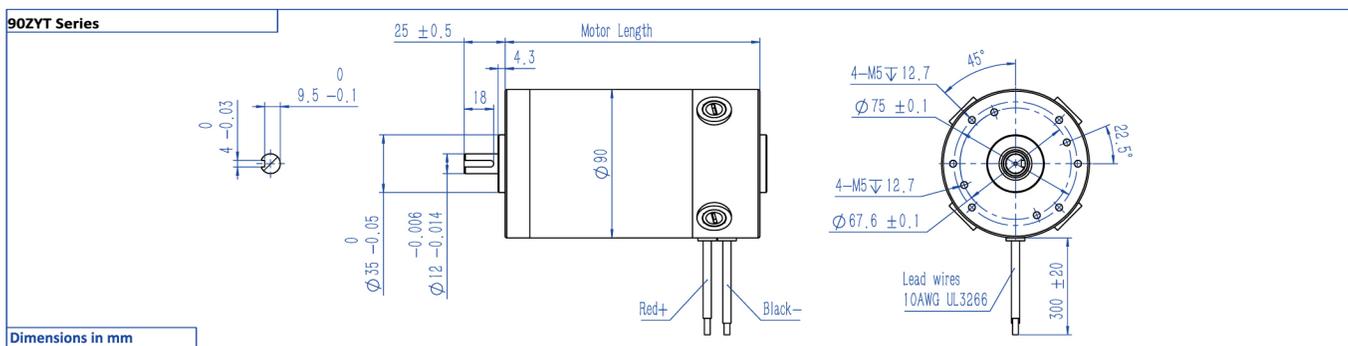
客户定制电压, 电性能, 出轴, 安装面, 引出线等。  
 Customized Voltage, Winding, Shaft, Mounting, and Lead Configurations  
 以及EMI/RFI 电路, 防水等级, 热保护, 耐高温等级  
 EMI/RFI Suppression Circuit, IP Grade, Thermal Protection, High Temperature Insulation



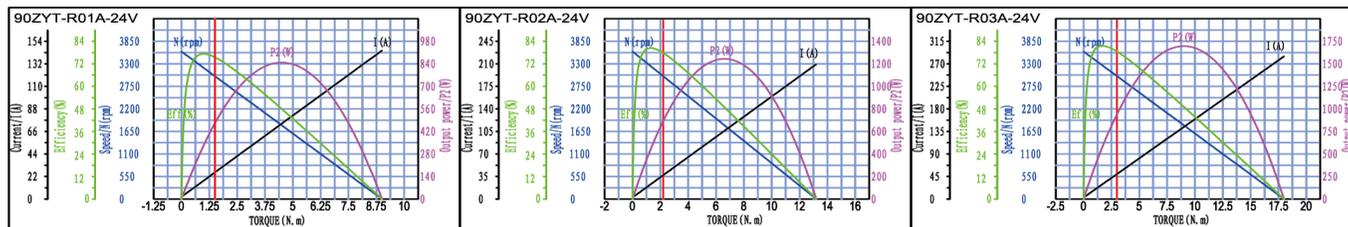
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	90ZYT-R01A	90ZYT-R02A	90ZYT-R03A
额定电压 Rated Voltage	Vdc	24v (可定制12v到220v) ; 24v (option for 12v 36v 48v up to 220vdc)		
空载转速 No Load Speed	rpm	3600	3600	3600
额定力矩 Rated Torque	N.m	1.2	1.5	1.8
额定转速 Rated Speed	rpm	3150	3200	3250
额定电流 Rated Current	A	21	26	31
额定功率 Output Power	W	396	503	613
重量 Weight	kg	3.5	4	4.5
机身长度 Motor Length	mm	155	180	199

### 图纸 Drawing



### 力矩曲线 Torque Curve:



## 90ZYT-S系列有刷直流电机 90ZYT-S Series Brushed Dc Motor

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 4-极 Magnet: Hard Ferrite Magnet, 4- Poles  
 保护等级: IP54 Protection Class: IP54  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 可供选择 Options:

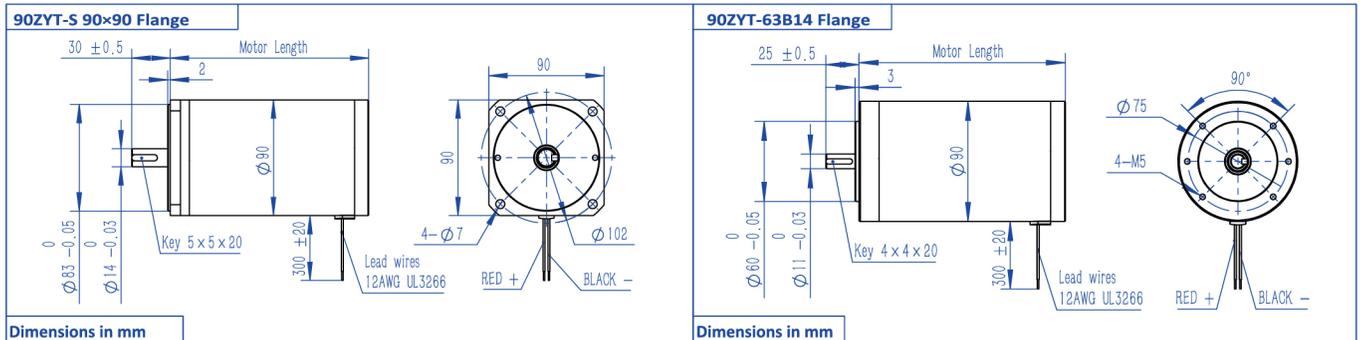
客户定制电压, 电性能, 出轴, 安装面, 引出线等。  
 Customized Voltage, Winding, Shaft, Mounting, and Lead Configurations  
 以及EMI/RFI 电路, 防水等级, 热保护, 耐高温等级  
 EMI/RFI Suppression Circuit, IP Grade, Thermal Protection, High Temperature Insulation



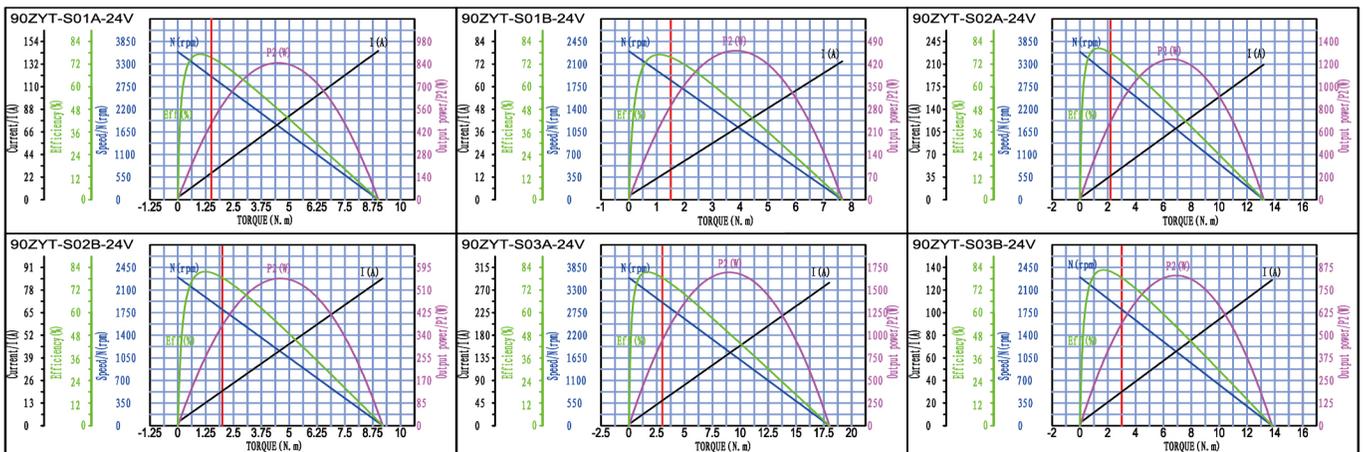
### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	90ZYT-S01A	90ZYT-S01B	90ZYT-S02A	90ZYT-S02B	90ZYT-S03A	90ZYT-S03B
额定电压 Rated Voltage	Vdc	24v (可定制12v到220v) ; 24v (option for 12v 36v 48v up to 220vdc)					
空载转速 No Load Speed	rpm	3600	2300	3600	2300	3600	2300
额定力矩 Rated Torque	N.m	1.5	1.5	2.2	2.0	3.0	3.0
额定转速 Rated Speed	rpm	3000	1850	3000	1800	3000	1800
额定电流 Rated Current	A	26	16	37	20	50	30
额定功率 Output Power	W	471	290	691	377	942	565
重量 Weight	kg	3.5	3.5	4	4	4.5	4.5
机身长度 Motor Length	mm	155	155	180	180	199	199

### 图纸 Drawing



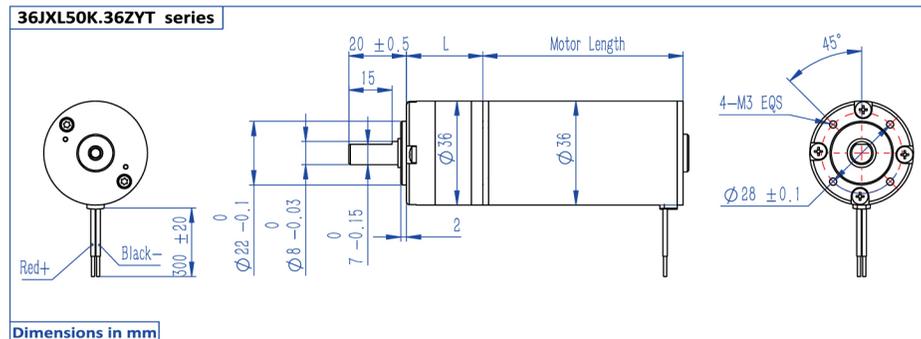
### 力矩曲线 Torque Curve:



直流有刷行星减速电机36JXL50K.36ZYT 系列

Brushed DC Planetary Gear Motor 36JXL50K.36ZYT Series

图纸 Drawing



电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	36ZYT01A	36ZYT02A	36ZYT03A
额定电压 Rated Voltage	VDC	24v (可定制直流12v到48v) ; 24v (option for 12v up to 48vdc)		
空载转速 No Load Speed	Rpm	3800	3800	3800
额定力矩 Rated Torque	mN.m	20	30	40
额定转速 Rated Speed	Rpm	3000	3000	3000
额定电流 Rated Current	A	0.4	0.6	0.8
额定输出功率 Output Power	W	6.3	9.4	12.6
重量 Weight	g	260	300	340
机身长度 Motor Length	Mm	60	70	80

行星齿轮箱主要性能参数 Planetary Gearbox Specifications

内齿圈材料 Ring Material	金属粉末 Powder Metal	减速比 Reduction Ratio	额定允许负载 Rated Continuous Torque	瞬间允许负载 Max Momentary Torque	效率 Efficiency	L (mm)	重量 (g) Weight(g)
输出轴承形式 Bearing at Output	滚动轴承 Ball bearings	1/14 1/19 1/22 1/27 1/35	2.0 N.m	6 N.m	81%	38.4 ± 0.5	240
最大允许径向负载(离法兰10mm处) Max. Radial Load (10mm from Flange)	≤ 100N	1/49 1/59 1/68 1/82 1/95 1/115	4.0 N.m	10 N.m	73%	45.7 ± 0.5	280
最大允许轴向负载 Max. Shaft Axial Load	≤ 50N	1/181 1/218 1/253 1/305 1/354	5 N.m	12 N.m	66%	53.0 ± 0.5	330
径向间隙 (测量点尽量接近法兰) Radial Play of Shaft (Near to Flange)	≤ 0.07mm	1/426 1/495 1/596					
轴向间隙 Axial Play of Shaft	≤ 0.3mm						
背隙 (无负载时) Backlash at No-load	≤ 2.5°						
输出轴最大承压入力 Max Shaft Press Fit Force	≤ 120N						

36JXL50K.36ZYT01A行星减速电机主要性能参数36JXL50K.36ZYT01A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	14	19	22	27	35	49	59	68	82	95	115	181	218	253	305	354	426	495	596	
效率Efficiency		81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	271.4	200.0	172.7	140.7	108.6	77.6	64.4	55.9	46.3	40.0	33.0	21.0	17.4	15.0	12.5	10.7	8.9	7.7	6.4	
额定力矩Rated Torque	Nm	0.2	0.3	0.4	0.4	0.6	0.7	0.9	1.0	1.2	1.4	1.7	2.4	2.9	3.3	4.0	4.7	5.0	5.0	5.0	
额定转速Rated Speed	Rpm	214.3	157.9	136.4	111.1	85.7	61.2	50.8	44.1	36.6	31.6	26.1	16.6	13.8	11.9	9.8	8.5	7.0	6.1	5.0	

36JXL50K.36ZYT02A行星减速电机主要性能参数36JXL50K.36ZYT02A Planetary Gear Motor Specifications:

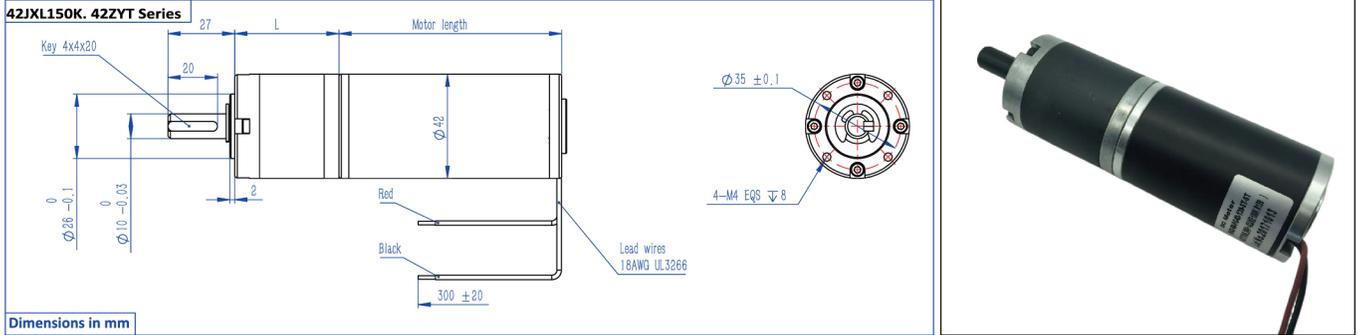
减速比Reduction Ratio	单位Unit	14	19	22	27	35	49	59	68	82	95	115	181	218	253	305	354	426	495	596	
效率Efficiency		81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	271.4	200.0	172.7	140.7	108.6	77.6	64.4	55.9	46.3	40.0	33.0	21.0	17.4	15.0	12.5	10.7	8.9	7.7	6.4	
额定力矩Rated Torque	Nm	0.3	0.5	0.5	0.7	0.9	1.1	1.3	1.5	1.8	2.1	2.5	3.6	4.3	5.0	5.0	5.0	5.0	5.0	5.0	
额定转速Rated Speed	Rpm	214.3	157.9	136.4	111.1	85.7	61.2	50.8	44.1	36.6	31.6	26.1	16.6	13.8	11.9	9.8	8.5	7.0	6.1	5.0	

36JXL50K.36ZYT03A行星减速电机主要性能参数36JXL50K.36ZYT03A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	14	19	22	27	35	49	59	68	82	95	115	181	218	253	305	354	426	495	596	
效率Efficiency		81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	271.4	200.0	172.7	140.7	108.6	77.6	64.4	55.9	46.3	40.0	33.0	21.0	17.4	15.0	12.5	10.7	8.9	7.7	6.4	
额定力矩Rated Torque	Nm	0.5	0.6	0.7	0.9	1.1	1.4	1.7	2.0	2.4	2.8	3.4	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	
额定转速Rated Speed	Rpm	214.3	157.9	136.4	111.1	85.7	61.2	50.8	44.1	36.6	31.6	26.1	16.6	13.8	11.9	9.8	8.5	7.0	6.1	5.0	

## 直流有刷行星减速电机42JXL150K.42ZYT 系列 Brushed DC Planetary Gear Motor 42JXL150K.42ZYT Series

### 图纸 Drawing



### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	42ZYT01A	42ZYT02A	42ZYT03A	42ZYT04A	42ZYT05A
额定电压 Rated Voltage	VDC	24v (可定制直流12v到60vdc) ; 24v (option for 12v up to 60vdc)				
空载转速 No Load Speed	Rpm	4200	4200	3800	4200	4200
额定力矩 Rated Torque	mN.m	38	43	57	70	105
额定转速 Rated Speed	Rpm	3600	3600	3100	3600	3600
额定电流 Rated Current	A	0.86	0.98	1.2	1.6	2.3
额定输出功率 Output Power	W	14.5	16.2	18.50	26.5	40
重量 Weight	G	390	460	500	540	700
机身长度 Motor Length	Mm	70	80	85	90	115

### 行星齿轮箱主要性能参数 Planetary Gearbox Specifications

内齿圈材料 Ring Material	粉末冶金 Powder Meta	减速比 Reduction Ratio	额定允许负载 Rated Continuous Torque	瞬间允许负载 Max Momentary Torque	效率 Efficiency	L (mm)	重量 (g) Weight(g)
输出轴承形式 Bearing at Output	滚动轴承 Ball bearings	1/3.71 1/5.18	1.5N.m	4.0 N.m	90%	31.5±0.5	244
最大允许径向负载(离法兰10mm处) Max. Radial Load (10mm from Flange)	≤ 200N	1/14 1/19 1/27	4.0 N.m	12 N.m	81%	42.1±0.5	314
最大允许轴向负载 Max. Shaft Axial Load	≤ 100N	1/49 1/59 1/68	10 N.m	25 N.m	73%	52.5±0.5	433
径向间隙 (测量点尽量接近法兰) Radial Play of Shaft (Near to Flange)	≤ 0.06mm	1/181 1/218 1/253 1/305 1/354	15 N.m	38 N.m	66%	62.9±0.5	519
轴向间隙 Axial Play of Shaft	≤ 0.3mm						
backlash (无负载时) Backlash at No-load	≤ 2.5°						
输出轴最大承压入力 Max Shaft Press Fit Force	≤ 150N						

#### 42JXL150K.42ZYT01A 行星减速电机主要性能参数 42JXL150K.42ZYT01A Planetary Gear Motor Specifications:

减速比/Reduction Ratio	单位/Unit	3.71	5.18	14	19	27	49	59	68	82	95	115	181	218	253	305	354	426	495	596
效率/Efficiency		90%	90%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速/No Load Speed	Rpm	1132.1	810.8	300.0	221.1	155.6	85.7	71.2	61.8	51.2	44.2	36.5	23.2	19.3	16.6	13.8	11.9	9.9	8.5	7.0
额定力矩/Rated Torque	Nm	0.12	0.17	0.4	0.6	0.8	1.4	1.6	1.9	2.3	2.6	3.2	4.5	5.5	6.3	7.6	8.9	10.7	12.4	14.9
额定转速/Rated Speed	Rpm	970.4	695.0	257.1	189.5	133.3	73.5	61.0	52.9	43.9	37.9	31.3	19.9	16.5	14.2	11.8	10.2	8.5	7.3	6.0

#### 42JXL150K.42ZYT02A 行星减速电机主要性能参数 42JXL150K.42ZYT02A Planetary Gear Motor Specifications:

减速比/Reduction Ratio	单位/Unit	3.71	5.18	14	19	27	49	59	68	82	95	115	181	218	253	305	354	426	495	596
效率/Efficiency		90%	90%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速/No Load Speed	Rpm	1132.1	810.8	300.0	221.1	155.6	85.7	71.2	61.8	51.2	44.2	36.5	23.2	19.3	16.6	13.8	11.9	9.9	8.5	7.0
额定力矩/Rated Torque	Nm	0.14	0.2	0.5	0.7	0.9	1.5	1.9	2.1	2.6	3.0	3.6	5.1	6.2	7.2	8.7	10.0	12.1	14.0	15.0
额定转速/Rated Speed	Rpm	970.4	695.0	257.1	189.5	133.3	73.5	61.0	52.9	43.9	37.9	31.3	19.9	16.5	14.2	11.8	10.2	8.5	7.3	6.0

#### 42JXL150K.42ZYT03A 行星减速电机主要性能参数 42JXL150K.42ZYT03A Planetary Gear Motor Specifications:

减速比/Reduction Ratio	单位/Unit	3.71	5.18	14	19	27	49	59	68	82	95	115	181	218	253	305	354	426	495	596
效率/Efficiency		90%	90%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速/No Load Speed	Rpm	1024.3	733.6	271.4	200.0	140.7	77.6	64.4	55.9	46.3	40.0	33.0	21.0	17.4	15.0	12.5	10.7	8.9	7.7	6.4
额定力矩/Rated Torque	Nm	0.19	0.26	0.6	0.9	1.2	2.0	2.5	2.8	3.4	4.0	4.8	6.8	8.2	9.5	11.3	13.3	15.0	15.0	15.0
额定转速/Rated Speed	Rpm	855.6	598.5	221.4	163.2	114.8	63.3	52.5	45.6	37.8	32.6	27.0	17.1	14.2	12.3	10.2	8.8	7.3	6.3	5.2

#### 42JXL150K.42ZYT04A 行星减速电机主要性能参数 42JXL150K.42ZYT04A Planetary Gear Motor Specifications:

减速比/Reduction Ratio	单位/Unit	3.71	5.18	14	19	27	49	59	68	82	95	115	181	218	253	305	354	426	495	596
效率/Efficiency		90%	90%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速/No Load Speed	Rpm	1132.1	810.8	300.0	221.1	155.6	85.7	71.2	61.8	51.2	44.2	36.5	23.2	19.3	16.6	13.8	11.9	9.9	8.5	7.0
额定力矩/Rated Torque	Nm	0.23	0.33	0.8	1.1	1.5	2.5	3.0	3.5	4.2	4.9	5.9	8.4	10.1	11.7	14.1	15.0	15.0	15.0	15.0
额定转速/Rated Speed	Rpm	970.4	695.0	257.1	189.5	133.3	73.5	61.0	52.9	43.9	37.9	31.3	19.9	16.5	14.2	11.8	10.2	8.5	7.3	6.0

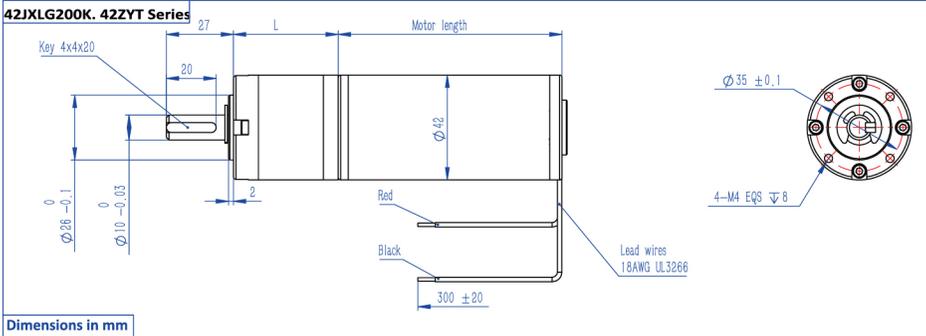
#### 42JXL150K.42ZYT05A 行星减速电机主要性能参数 42JXL150K.42ZYT05A Planetary Gear Motor Specifications:

减速比/Reduction Ratio	单位/Unit	3.71	5.18	14	19	27	49	59	68	82	95	115	181	218	253	305	354	426	495	596
效率/Efficiency		90%	90%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速/No Load Speed	Rpm	1132.1	810.8	300.0	221.1	155.6	85.7	71.2	61.8	51.2	44.2	36.5	23.2	19.3	16.6	13.8	11.9	9.9	8.5	7.0
额定力矩/Rated Torque	Nm	0.4	0.5	1.2	1.6	2.3	3.8	4.5	5.2	6.3	7.3	8.8	12.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0
额定转速/Rated Speed	Rpm	970.4	695.0	257.1	189.5	133.3	73.5	61.0	52.9	43.9	37.9	31.3	19.9	16.5	14.2	11.8	10.2	8.5	7.3	6.0

直流有刷行星减速电机42JXLG200K.42ZYT 系列

Brushed DC Planetary Gear Motor 42JXLG200K.42ZYT Series  
(Option with Brake & Encoder Integrated)

图纸 Drawing



电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	42ZYT01A	42ZYT02A	42ZYT03A	42ZYT04A	42ZYT05A
额定电压 Rated Voltage	VDC	24v (可定制直流12v到60vdc) ; 24v (option for 12v up to 60vdc)				
空载转速 No Load Speed	Rpm	4200	4200	3800	4200	4200
额定力矩 Rated Torque	mN.m	38	43	57	70	105
额定转速 Rated Speed	Rpm	3600	3600	3100	3600	3600
额定电流 Rated Current	A	0.86	0.98	1.2	1.6	2.3
额定输出功率 Output Power	W	14.5	16.2	18.50	26.5	40
重量 Weight	G	390	460	500	540	700
机身长度 Motor Length	Mm	70	80	85	90	115

行星齿轮箱主要性能参数 Planetary Gearbox Specifications

内齿圈材料 Ring Material	金属 Metal	输出轴轴承形式 Bearing at Output	滚动轴承Ball bearings	最大允许径向负载(离法兰10mm处) Max. Radial Load (10mm from Flange)	≤ 200N	最大允许轴向负载Max. Shaft Axial Load	≤ 100N	径向间隙 (测量点尽量接近法兰) Radial Play of Shaft (Near to Flange)	≤ 0.06mm	轴向间隙 Axial Play of Shaft	≤ 0.3mm	背隙 (无负载时) Backlash at No-load	≤ 2.5°	输出轴最大承受压入力 Max Shaft Press Fit Force	≤ 150N
Reduction Ratio	Rated Continuous Torque	Max Momentary Torque	Efficiency	L (mm)	Weight(g)										
1/3.71 1/5.18	2.0 N.m	5.0 N.m	90%	34.2 ± 0.5	265										
1/14 1/19 1/27	8.0 N.m	20 N.m	81%	49.6 ± 0.5	380										
1/49 1/59 1/68 1/82 1/95 1/115	16 N.m	40 N.m	73%	62.0 ± 0.5	475										
1/181 1/218 1/253 1/305 1/354 1/426 1/495 1/596	20 N.m	50 N.m	66%	74.4 ± 0.5	570										

42JXLG200K.42ZYT01A 行星减速电机主要性能参数  
42JXLG200K.42ZYT01A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.71	5.18	14	19	27	49	59	68	82	95	115	181	218	253	305	354	426	495	596
效率Efficiency		90%	90%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1132.1	810.8	300.0	221.1	155.6	85.7	71.2	61.8	51.2	44.2	36.5	23.2	19.3	16.6	13.8	11.9	9.9	8.5	7.0
额定力矩Rated Torque	Nm	0.12	0.17	0.4	0.6	0.8	1.4	1.6	1.9	2.3	2.6	3.2	4.5	5.5	6.3	7.6	8.9	10.7	12.4	14.9
额定转速Rated Speed	Rpm	970.4	695.0	257.1	189.5	133.3	73.5	61.0	52.9	43.9	37.9	31.3	19.9	16.5	14.2	11.8	10.2	8.5	7.3	6.0

42JXLG200K.42ZYT02A 行星减速电机主要性能参数  
42JXLG200K.42ZYT02A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.71	5.18	14	19	22	27	49	59	68	82	95	115	181	218	253	305	354	426	495	596
效率Efficiency		90%	90%	81%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	
空载转速 No Load Speed	Rpm	1132.1	810.8	300.0	221.1	190.9	155.6	85.7	71.2	61.8	51.2	44.2	36.5	23.2	19.3	16.6	13.8	11.9	9.9	8.5	7.0
额定力矩Rated Torque	Nm	0.14	0.2	0.5	0.7	0.7	0.9	1.5	1.9	2.1	2.6	3.0	3.6	5.1	6.2	7.2	8.7	10.0	12.1	14.0	15.0
额定转速Rated Speed	Rpm	970.4	695.0	257.1	189.5	163.6	133.3	73.5	61.0	52.9	43.9	37.9	31.3	19.9	16.5	14.2	11.8	10.2	8.5	7.3	6.0

42JXLG200K.42ZYT03A 行星减速电机主要性能参数  
42JXLG200K.42ZYT03A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.71	5.18	14	19	22	27	49	59	68	82	95	115	181	218	253	305	354	426	495	596
效率Efficiency		90%	90%	81%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	
空载转速 No Load Speed	Rpm	1024.3	733.6	271.4	200.0	172.7	140.7	77.6	64.4	55.9	46.3	40.0	33.0	21.0	17.4	15.0	12.5	10.7	8.9	7.7	6.4
额定力矩Rated Torque	Nm	0.2	0.3	0.6	0.9	1.0	1.2	2.0	2.5	2.8	3.4	4.0	4.8	6.8	8.2	9.5	11.5	13.3	15.0	15.0	15.0
额定转速Rated Speed	Rpm	835.6	598.5	221.4	163.2	141.0	114.8	63.3	52.5	45.6	37.8	32.6	27.0	17.1	14.2	12.3	10.2	8.8	7.3	6.3	5.2

42JXLG200K.42ZYT04A 行星减速电机主要性能参数  
42JXLG200K.42ZYT04A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.71	5.18	14	19	22	27	49	59	68	82	95	115	181	218	253	305	354	426	495	596
效率Efficiency		90%	90%	81%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	
空载转速 No Load Speed	Rpm	1132.1	810.8	300.0	221.1	190.9	155.6	85.7	71.2	61.8	51.2	44.2	36.5	23.2	19.3	16.6	13.8	11.9	9.9	8.5	7.0
额定力矩Rated Torque	Nm	0.23	0.33	0.8	1.1	0.7	1.5	2.5	3.0	3.5	4.2	4.9	5.9	8.4	10.1	11.7	14.1	15.0	15.0	15.0	15.0
额定转速Rated Speed	Rpm	970.4	695.0	257.1	189.5	163.6	133.3	73.5	61.0	52.9	43.9	37.9	31.3	19.9	16.5	14.2	11.8	10.2	8.5	7.3	6.0

42JXLG200K.42ZYT05A 行星减速电机主要性能参数  
42JXLG200K.42ZYT05A Planetary Gear Motor Specifications:

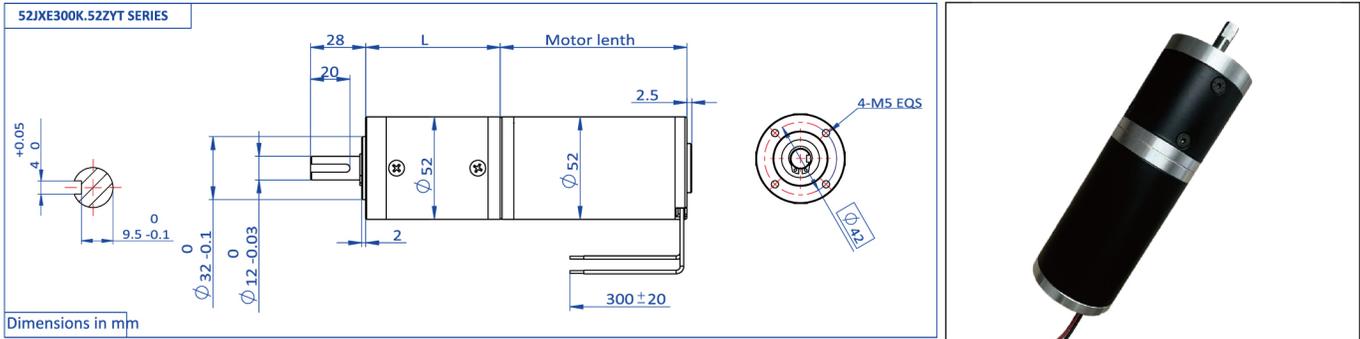
减速比Reduction Ratio	单位Unit	3.71	5.18	14	19	22	27	49	59	68	82	95	115	181	218	253	305	354	426	495	596
效率Efficiency		90%	90%	81%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	
空载转速 No Load Speed	Rpm	1132.1	810.8	300.0	221.1	190.9	155.6	85.7	71.2	61.8	51.2	44.2	36.5	23.2	19.3	16.6	13.8	11.9	9.9	8.5	7.0
额定力矩Rated Torque	Nm	0.4	0.5	1.2	1.6	0.7	2.3	3.8	4.5	5.2	6.3	7.3	8.8	12.5	15.0	15.0	15.0	15.0	15.0	15.0	15.0
额定转速Rated Speed	Rpm	970.4	695.0	257.1	189.5	163.6	133.3	73.5	61.0	52.9	43.9	37.9	31.3	19.9	16.5	14.2	11.8	10.2	8.5	7.3	6.0



直流有刷行星减速电机52JXE300K.52ZYT 系列

Brushed DC Planetary Gear Motor 52JXE300K.52ZYT Series

图纸 Drawing



电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	52ZYT01A	52ZYT02A	52ZYT03A	52ZYT04A
额定电压 Rated Voltage	VDC	24v (可定制直流12v到60v) ; 24v (option for 12v up to 60vdc)			
空载转速 No Load Speed	Rpm	4200	4200	4200	4200
额定力矩 Rated Torque	N.m	0.11	0.20	0.27	0.35
额定转速 Rated Speed	Rpm	3700	3500	3600	3600
额定电流 Rated Current	A	2.5	4.2	5.8	7.4
额定输出功率 Output Power	W	42.5	73	102	132
重量 Weight	Kg	0.85	1.0	1.15	1.30
机身长度 Motor Length	Mm	95	110	125	140

行星齿轮箱主要性能参数 Planetary Gearbox Specifications

内齿圈材料 Ring Material	金属 Metal	减速比 Reduction Ratio	额定允许负载 Rated Continuous Torque	瞬间允许负载 Max Momentary Torque	效率 Efficiency	L (mm)	重量 (g) Weight(g)
输出轴承形式 Bearing at Output	滚动轴承Ball bearings	1/3.6 1/4.25 1/5.33	2.0N.m	6.0N.m	90%	45.7 ± 0.5	442
最大允许径向负载(离法兰10mm处) Max. Radial Load (10mm from Flange)	≤ 250N	1/13 1/15 1/18 1/23 1/28	8.0N.m	25.0N.m	81%	57.2 ± 0.5	574
最大允许轴向负载Max. Shaft Axial Load	≤ 200N	1/43 1/52 1/61 1/72 1/96 1/121	16.0N.m	50.0N.m	73%	68.5 ± 0.5	702
径向间隙 (测量点尽量接近法兰) Radial Play of Shaft (Near to Flange)	≤ 0.08mm	1/154 1/187 1/220 1/260 1/307	20.0N.m	60.0N.m	66%	79.8 ± 0.5	837
轴向间隙 Axial Play of Shaft	≤ 0.4mm						
背隙 (无负载时) Backlash at No-load	≤ 2.5°						
输出轴最大承受压入力 Max Shaft Press Fit Force	≤ 300N						

52JXE300K.52ZYT01A 行星减速电机主要性能参数  
52JXE300K.52ZYT01A Planetary Gear Motor Specifications:

减速比 Reduction Ratio	单位 Unit	3.6	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220	260	307	
效率 Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1166.7	988.2	788.0	323.1	280.0	233.3	182.6	150.0	97.7	80.8	68.9	58.3	43.8	34.7	27.3	22.5	19.1	16.2	13.7	
额定力矩 Rated Torque	Nm	0.36	0.42	0.5	1.2	1.3	1.6	2.0	2.5	3.5	4.2	4.9	5.8	7.7	9.7	11.2	13.6	16.0	18.9	20.0	
额定转速 Rated Speed	Rpm	1027.8	870.6	694.2	284.6	246.7	205.6	160.9	132.1	86.0	71.2	60.7	51.4	38.5	30.6	24.0	19.8	16.8	14.2	12.1	

52JXE300K.52ZYT02A 行星减速电机主要性能参数  
52JXE300K.52ZYT02A Planetary Gear Motor Specifications:

减速比 Reduction Ratio	单位 Unit	3.6	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220	260	307
效率 Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1166.7	988.2	788.0	323.1	280.0	233.3	182.6	150.0	97.7	80.8	68.9	58.3	43.8	34.7	27.3	22.5	19.1	16.2	13.7
额定力矩 Rated Torque	Nm	0.6	0.8	1.0	2.1	2.4	2.9	3.7	4.5	6.3	7.6	8.9	10.5	14.0	16.0	20.0	20.0	20.0	20.0	20.0
额定转速 Rated Speed	Rpm	972.2	823.5	656.7	269.2	233.3	194.4	152.2	125.0	81.4	67.3	57.4	48.6	36.5	28.9	22.7	18.7	15.9	13.5	11.4

52JXE300K.52ZYT03A 行星减速电机主要性能参数  
52JXE300K.52ZYT03A Planetary Gear Motor Specifications:

减速比 Reduction Ratio	单位 Unit	3.6	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220	260	307
效率 Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1166.7	988.2	788.0	323.1	280.0	233.3	182.6	150.0	97.7	80.8	68.9	58.3	43.8	34.7	27.3	22.5	19.1	16.2	13.7
额定力矩 Rated Torque	Nm	0.9	1.0	1.3	2.8	3.3	3.9	5.0	6.1	8.5	10.2	12.0	14.2	16.0	16.0	20.0	20.0	20.0	20.0	20.0
额定转速 Rated Speed	Rpm	1000.0	847.1	675.4	276.9	240.0	200.0	156.5	128.6	83.7	69.2	58.0	50.0	37.5	29.8	23.4	19.3	16.4	13.8	11.7

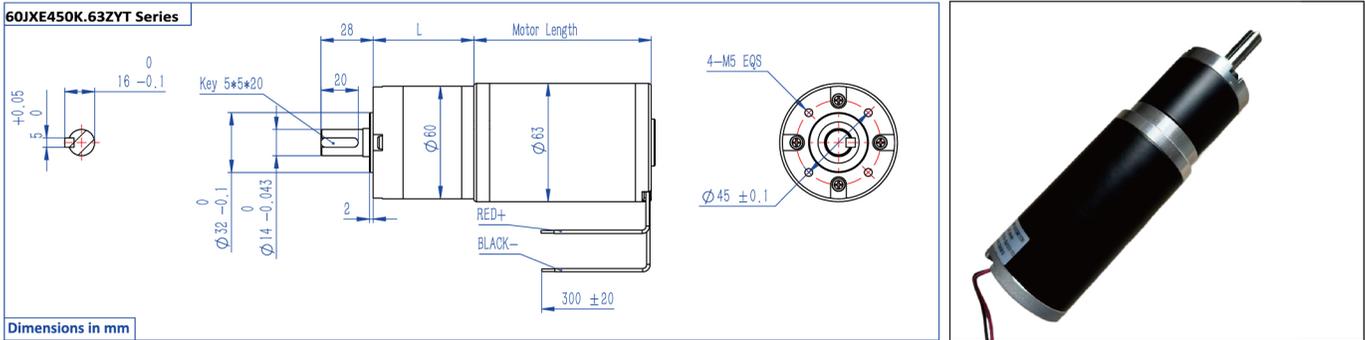
52JXE300K.52ZYT04A 行星减速电机主要性能参数  
52JXE300K.52ZYT04A Planetary Gear Motor Specifications:

减速比 Reduction Ratio	单位 Unit	3.6	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220	260	307
效率 Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1166.7	988.2	788.0	323.1	280.0	233.3	182.6	150.0	97.7	80.8	68.9	58.3	43.8	34.7	27.3	22.5	19.1	16.2	13.7
额定力矩 Rated Torque	Nm	1.1	1.3	1.7	3.7	4.3	5.1	6.5	7.9	11.0	13.3	15.6	16.0	16.0	16.0	20.0	20.0	20.0	20.0	20.0
额定转速 Rated Speed	Rpm	1000.0	847.1	675.4	276.9	240.0	200.0	156.5	128.6	83.7	69.2	58.0	50.0	37.5	29.8	23.4	19.3	16.4	13.8	11.7



直流有刷行星减速电机60JXE450K.63ZYT 系列

Brushed DC Planetary Gear Motor 60JXE450K.63ZYT Series  
图纸 Drawing



电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	63ZYT01A	63ZYT01B	63ZYT02A	63ZYT03A	63ZYT03B	63ZYT04A
额定电压 Rated Voltage	VDC	24v (可定制直流12v到220vdc) ; 24v (option for 12v up to 220vdc)					
空载转速 No Load Speed	Rpm	3600	4700	3600	3600	4700	3600
额定力矩 Rated Torque	N.m	0.14	0.20	0.31	0.40	0.40	0.50
额定转速 Rated Speed	Rpm	3300	4000	3100	3000	4000	3000
额定电流 Rated Current	A	2.8	5.0	6.0	7.5	10.0	9.0
额定输出功率 Output Power	W	48	84	100	125	168	157
重量 Weight	Kg	1	1	1.2	1.35	1.35	1.5
机身长度 Motor Length	Mm	95	95	110	125	125	140

行星齿轮箱主要性能参数 Planetary Gearbox Specifications

内齿圈材料 Ring Material	E 型-金属 Metal	输出轴承形式 Bearing at Output	滚动轴承Ball bearings	最大允许径向负载(离法兰10mm处) Max. Radial Load (10mm from Flange)	≤400N	最大允许轴向负载Max. Shaft Axial Load	≤200N	径向间隙 (测量点尽量接近法兰) Radial Play of Shaft (Near to Flange)	≤0.08mm	轴向间隙 Axial Play of Shaft	≤0.4mm	背隙 (无负载时) Backlash at No-load	≤2.5°	输出轴最大承受压入力 Max Shaft Press Fit Force	≤300N
减速比 Reduction Ratio	额定允许负载 Rated Continuous Torque	瞬间允许负载 Max Momentary Torque	效率 Efficiency	L (mm)	重量 (g) Weight(g)										
1/3.6 1/4.25 1/5.33	4 N.m	12 N.m	90%	40.3±0.5	520										
1/13 1/15 1/18 1/23 1/28	18 N.m	50 N.m	81%	53.8±0.5	710										
1/43 1/52 1/61 1/72 1/96 1/121	36 N.m	100 N.m	73%	67.2±0.5	900										
1/154 1/187 1/220 1/260 1/307 1/409 1/514 1/645 1/809	45 N.m	110 N.m	66%	80.6±0.5	1100										

60JXE450K.63ZYT01A 行星减速电机主要性能参数  
60JXE450K.63ZYT01A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.6	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220	260	307	409	514	645	809
效率Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1000.0	847.1	675.4	276.9	240.0	200.0	156.5	128.6	83.7	69.2	59.0	50.0	37.5	29.8	23.4	19.3	16.4	13.8	11.7	8.8	7.0	5.6	4.4
额定力矩Rated Torque	Nm	0.45	0.34	0.7	1.5	1.7	2.0	2.6	3.2	4.4	5.3	6.2	7.4	9.8	12.4	14.2	17.3	20.3	24.0	28.4	37.8	45.0	45.0	45.0
额定转速Rated Speed	Rpm	916.7	776.5	618.1	233.0	200.0	183.3	143.5	117.9	76.7	63.5	54.1	45.8	34.4	27.3	21.4	17.6	15.0	12.7	10.7	8.0	6.4	5.1	4.1

60JXE450K.63ZYT01B 行星减速电机主要性能参数  
60JXE450K.63ZYT01B Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.6	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220	260	307	409	514	645	809
效率Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1305.6	1105.9	881.8	351.5	313.3	261.1	204.3	167.9	109.3	90.4	77.0	65.3	49.0	38.8	30.5	25.1	21.4	18.1	15.3	11.5	9.1	7.3	5.8
额定力矩Rated Torque	Nm	0.6	0.8	1.0	2.1	2.4	2.9	3.7	4.5	6.3	7.6	8.9	10.5	14.0	17.7	20.3	24.7	29.0	34.3	40.5	45.0	45.0	45.0	45.0
额定转速Rated Speed	Rpm	1111.1	941.2	750.5	307.7	266.7	222.2	173.9	142.9	93.0	76.9	65.6	55.6	41.7	33.1	26.0	21.4	18.2	15.4	13.0	9.8	7.8	6.2	4.9

60JXE450K.63ZYT02A 行星减速电机主要性能参数  
60JXE450K.63ZYT02A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.6	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220	260	307	409	514	645	809
效率Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1000.0	847.1	675.4	276.9	240.0	200.0	156.5	128.6	83.7	69.2	59.0	50.0	37.5	29.8	23.4	19.3	16.4	13.8	11.7	8.8	7.0	5.6	4.4
额定力矩Rated Torque	Nm	0.5	1.2	1.5	3.3	3.8	4.5	5.8	7.0	9.7	11.8	13.8	16.3	21.7	27.4	31.5	38.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
额定转速Rated Speed	Rpm	861.1	729.4	581.6	233.0	206.7	172.2	134.8	110.7	72.1	59.6	50.8	43.1	32.3	25.6	20.1	16.6	14.1	11.9	10.1	7.6	6.0	4.8	3.8

60JXE450K.63ZYT03A 行星减速电机主要性能参数  
60JXE450K.63ZYT03A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.6	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220	260	307	409	514	645	809
效率Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1000.0	847.1	675.4	276.9	240.0	200.0	156.5	128.6	83.7	69.2	59.0	50.0	37.5	29.8	23.4	19.3	16.4	13.8	11.7	8.8	7.0	5.6	4.4
额定力矩Rated Torque	Nm	1.3	1.5	1.9	4.2	4.9	5.8	7.5	9.1	12.6	15.2	17.8	21.0	28.0	35.3	40.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
额定转速Rated Speed	Rpm	833.3	705.9	562.9	230.8	200.0	186.7	130.4	107.1	69.8	57.7	49.2	41.7	31.3	24.8	19.5	16.0	13.6	11.5	9.8	7.3	5.8	4.7	3.7

60JXE450K.63ZYT03B 行星减速电机主要性能参数  
60JXE450K.63ZYT03B Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.6	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220	260	307	409	514	645	809
效率Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1000.0	847.1	675.4	276.9	240.0	200.0	156.5	128.6	83.7	69.2	59.0	50.0	37.5	29.8	23.4	19.3	16.4	13.8	11.7	8.8	7.0	5.6	4.4
额定力矩Rated Torque	Nm	1.3	1.5	1.9	4.2	4.9	5.8	7.5	9.1	12.6	15.2	17.8	21.0	28.0	35.3	40.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
额定转速Rated Speed	Rpm	1111.1	941.2	750.5	307.7	266.7	222.2	173.9	142.9	93.0	76.9	65.6	55.6	41.7	33.1	26.0	21.4	18.2	15.4	13.0	9.8	7.8	6.2	4.9

60JXE300K.63ZYT04A 行星减速电机主要性能参数  
60JXE300K.63ZYT04A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.6	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220	260	307	409	514	645	809
效率Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	66%	66%	66%	66%	66%	66%	66%	66%	66%	66%
空载转速 No Load Speed	Rpm	1000.0	847.1	675.4	276.9	240.0	200.0	156.5	128.6	83.7	69.2	59.0	50.0	37.5	29.8	23.4	19.3	16.4	13.8	11.7	8.8	7.0	5.6	4.4
额定力矩Rated Torque	Nm	1.6	1.9	2.4	5.3	6.1	7.3	9.3	11.3	15.7	19.0	22.3	26.3	35.0	36.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
额定转速Rated Speed	Rpm	833.3	705.9	562.9	230.8	200.0	186.7	130.4	107.1	69.8	57.7	49.2	41.7	31.3	24.8	19.5	16.0	13.6	11.5	9.8	7.3	5.8	4.7	3.7

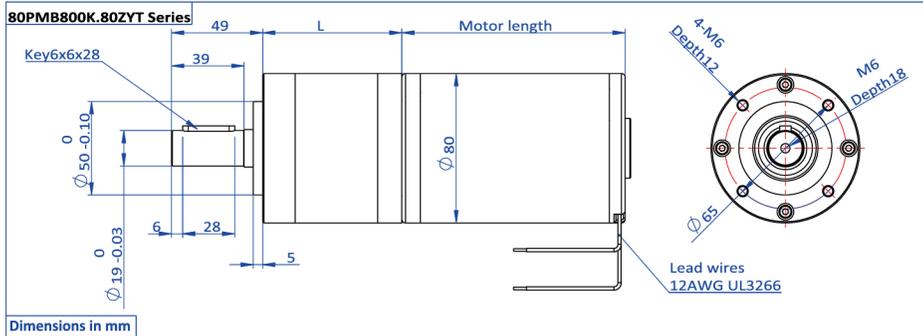




## 直流有刷行星减速电机80PMB800K.80ZYT 系列

## Brushed DC Planetary Gear Motor 80PMB800K.80ZYT Series

## 图纸 Drawing



## 电机主要性能参数 Motor Main Characteristics:

型号 Model	单位 Unit	80ZYT01A	80ZYT02A	80ZYT03A	80ZYT04A
额定电压 Rated Voltage	VDC	24v (可定制直流12v到220v) ; 24v (option for 12v up to 220vdc)			
空载转速 No Load Speed	Rpm	3600	3600	3500	3500
额定力矩 Rated Torque	N.m	0.6	0.8	1.0	1.2
额定转速 Rated Speed	Rpm	3150	3150	3050	3050
额定电流 Rated Current	A	10.0	13.5	15.5	20.0
额定输出功率 Output Power	W	200	265	320	383
重量 Weight	Kg	2.5	3	3.5	4.0
机身长度 Motor Length	Mm	120	140	160	175

## 行星齿轮箱主要性能参数 Planetary Gearbox Specifications

内齿圈材料 Ring Material	金属 Metal	减速比 Reduction Ratio	额定允许负载 Rated Continuous Torque	瞬间允许负载 Max Momentary Torque	效率 Efficiency	L (mm)	重量 (g) Weight(g)
输出轴承形式 Bearing at Output	滚动轴承 Ball bearings	1/3.55 1/5.31 1/6.60	8 N.m	12 N.m	90%	55.7 ± 0.5	1100
最大允许径向负载(离法兰10mm处) Max. Radial Load (10mm from Flange)	600N	1/13 1/19 1/23	30 N.m	45 N.m	81%	72.2 ± 0.5	1500
最大允许轴向负载 Max. Shaft Axial Load	200N	1/26 1/30 1/37	60 N.m	90 N.m	81%	72.2 ± 0.5	1500
径向间隙 (测量点尽量接近法兰) Radial Play of Shaft (Near to Flange)	≤ 0.08 mm	1/50 1/74 1/92 1/111 1/138	80 N.m	120 N.m	73%	88.5 ± 0.5	1800
轴向间隙 Axial Play of Shaft	≤ 0.4 mm						
背隙 (无负载时) Backlash at No-load	≤ 2.5°						
输出轴最大承受压力 Max Shaft Press Fit Force	1000N						

 80PMB800K.80ZYT01A 行星减速电机主要性能参数  
 80PMB800K.80ZYT01A Planetary Gear Motor Specifications:

减速比 Reduction Ratio	单位 Unit	3.55	5.31	6.60	13	19	23	26	30	37	50	74	92	111	138
效率 Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%
空载转速 No Load Speed	Rpm	1014.1	678.0	545.5	276.9	189.5	156.5	138.5	120.0	97.3	72.0	48.6	39.1	32.4	26.1
额定力矩 Rated Torque	Nm	1.9	2.9	3.6	6.3	9.2	11.2	12.6	14.6	18.0	21.9	32.4	40.3	48.6	60.4
额定转速 Rated Speed	Rpm	887.3	593.2	477.3	242.3	165.8	137.0	121.2	105.0	85.1	63.0	42.6	34.2	28.4	22.8

 80PMB800K.80ZYT02A 行星减速电机主要性能参数  
 80PMB800K.80ZYT02A Planetary Gear Motor Specifications:

减速比 Reduction Ratio	单位 Unit	3.55	5.31	6.60	13	19	23	26	30	37	50	74	92	111	138
效率 Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%
空载转速 No Load Speed	Rpm	1014.1	678.0	545.5	276.9	189.5	156.5	138.5	120.0	97.3	72.0	48.6	39.1	32.4	26.1
额定力矩 Rated Torque	Nm	2.6	3.8	4.8	8.4	12.3	14.9	16.8	19.4	24.0	29.2	43.2	53.7	64.8	80.0
额定转速 Rated Speed	Rpm	887.3	593.2	477.3	242.3	165.8	137.0	121.2	105.0	85.1	63.0	42.6	34.2	28.4	22.8

 80PMB800K.80ZYT03A 行星减速电机主要性能参数  
 80PMB800K.80ZYT03A Planetary Gear Motor Specifications:

减速比 Reduction Ratio	单位 Unit	3.55	5.31	6.60	13	19	23	26	30	37	50	74	92	111	138
效率 Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%
空载转速 No Load Speed	Rpm	985.9	659.1	530.3	269.2	184.2	152.2	134.6	116.7	94.6	70.0	47.3	38.0	31.5	25.4
额定力矩 Rated Torque	Nm	3.2	4.8	5.9	10.5	15.4	18.6	21.1	24.3	30.0	36.5	54.0	67.2	80.0	80.0
额定转速 Rated Speed	Rpm	859.2	574.4	462.1	234.6	160.5	132.6	117.3	101.7	82.4	61.0	41.2	33.2	27.5	22.1

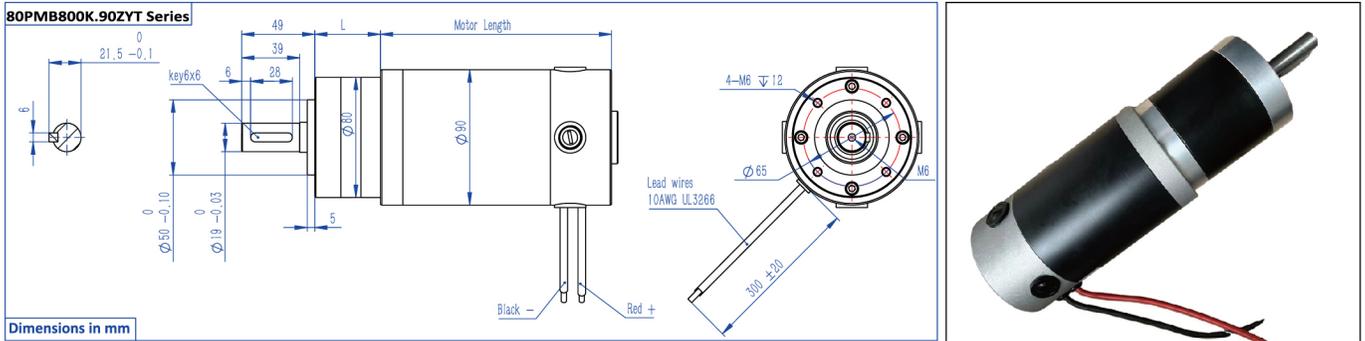
 80PMB800K.80ZYT04A 行星减速电机主要性能参数  
 80PMB800K.80ZYT04A Planetary Gear Motor Specifications:

减速比 Reduction Ratio	单位 Unit	3.55	5.31	6.60	13	19	23	26	30	37	50	74	92	111	138
效率 Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%	73%
空载转速 No Load Speed	Rpm	985.9	659.1	530.3	269.2	184.2	152.2	134.6	116.7	94.6	70.0	47.3	38.0	31.5	25.4
额定力矩 Rated Torque	Nm	3.8	5.7	7.1	12.6	18.5	22.4	25.3	29.2	36.0	43.8	64.8	80.0	80.0	80.0
额定转速 Rated Speed	Rpm	859.2	574.4	462.1	234.6	160.5	132.6	117.3	101.7	82.4	61.0	41.2	33.2	27.5	22.1

直流有刷行星减速电机80PMB800K.90ZYT 系列

Brushed DC Planetary Gear Motor 80PMB800K.90ZYT Series

图纸 Drawing



电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	90ZYT01A	90ZYT02A	90ZYT03A
额定电压 Rated Voltage	VDC	24v (可定制12v到220v ) ;	24v (option for 12v 36v 48v up to	220vdc)
空载转速 No Load Speed	Rpm	3600	3600	3600
额定转速 Rated Speed	N.m	1.5	2.2	3
额定力矩 Rated Torque	rpm	3000	3000	3000
额定电流 Rated Current	A	26	37	50
额定输出功率 Output Power	W	471	691	942
重量 Weight	Kg	3.5	4	4.5
机身长度 Motor Length	Mm	155	180	199

行星齿轮箱主要性能参数 Planetary Gearbox Specifications

内齿圈材料 Ring Material	金属Metal	输出轴轴承形式 Bearing at Output	滚动轴承Ball bearings	最大允许径向负载(离法兰10mm处) Max. Radial Load (10mm from Flange)	600N	最大允许轴向负载Max. Shaft Axial Load	200N	径向间隙 (测量点尽量接近法兰) Radial Play of Shaft (Near to Flange)	≤0.08 mm	轴向间隙 Axial Play of Shaft	≤0.4mm	背隙 (无负载时) Backlash at No-load	≤2.5°	输出轴最大承受压力 Max Shaft Press Fit Force	1000N
减速比 Reduction Ratio	额定允许负载 Rated Continuous Torque	瞬间允许负载 Max Momentary Torque	效率 Efficiency	L (mm)	重量 (g) Weight(g)										
1/3.55 1/5.31 1/6.60	8 N.m	12 N.m	90%	55.7±0.5	1100										
1/13 1/19 1/23	30 N.m	45 N.m	81%	72.2±0.5	1500										
1/26 1/30 1/37	60 N.m	90 N.m	81%	72.2±0.5	1500										
1/50 1/74 1/92 1/111 1/138	80 N.m	120N.m	73%	88.5±0.5	1800										

80PMB800K.90ZYT01A 行星减速电机主要性能参数80PMB800K.90ZYT01A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.55	5.31	6.60	13	19	23	26	30	37	50	74	92	111	138
效率Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%
空载转速 No Load Speed	Rpm	1014.1	678.0	545.5	276.9	189.5	156.5	138.5	120.0	97.3	72.0	48.6	39.1	32.4	26.1
额定力矩Rated Torque	Nm	4.8	7.2	8.0	15.8	23.1	27.9	31.6	36.5	45.0	54.8	80.0	80.0	80.0	80.0
额定转速Rated Speed	Rpm	845.1	565.0	454.5	230.8	157.9	130.4	115.4	100.0	81.1	60.0	40.5	32.6	27.0	21.7

80PMB800K.90ZYT02A 行星减速电机主要性能参数80PMB800K.90ZYT02A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.55	5.31	6.60	13	19	23	26	30	37	50	74	92	111	138
效率Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%
空载转速 No Load Speed	Rpm	1014.1	678.0	545.5	276.9	189.5	156.5	138.5	120.0	97.3	72.0	48.6	39.1	32.4	26.1
额定力矩Rated Torque	Nm	7.0	8.0	8.0	23.2	30.0	30.0	46.3	53.5	60.0	80.0	80.0	80.0	80.0	80.0
额定转速Rated Speed	Rpm	845.1	565.0	454.5	230.8	157.9	130.4	115.4	100.0	81.1	60.0	40.5	32.6	27.0	21.7

80PMB800K.90ZYT03A 行星减速电机主要性能参数80PMB800K.90ZYT03A Planetary Gear Motor Specifications:

减速比Reduction Ratio	单位Unit	3.55	5.31	6.60	13	19	23	26	30	37	50	74	92	111	138
效率Efficiency		90%	90%	90%	81%	81%	81%	81%	81%	81%	73%	73%	73%	73%	73%
空载转速 No Load Speed	Rpm	1014.1	678.0	545.5	276.9	189.5	156.5	138.5	120.0	97.3	72.0	48.6	39.1	32.4	26.1
额定力矩Rated Torque	Nm	8.0	8.0	8.0	30.0	30.0	30.0	60.0	60.0	60.0	80.0	80.0	80.0	80.0	80.0
额定转速Rated Speed	Rpm	845.1	565.0	454.5	230.8	157.9	130.4	115.4	100.0	81.1	60.0	40.5	32.6	27.0	21.7

## 63WG.63ZYT系列蜗轮蜗杆减速电机

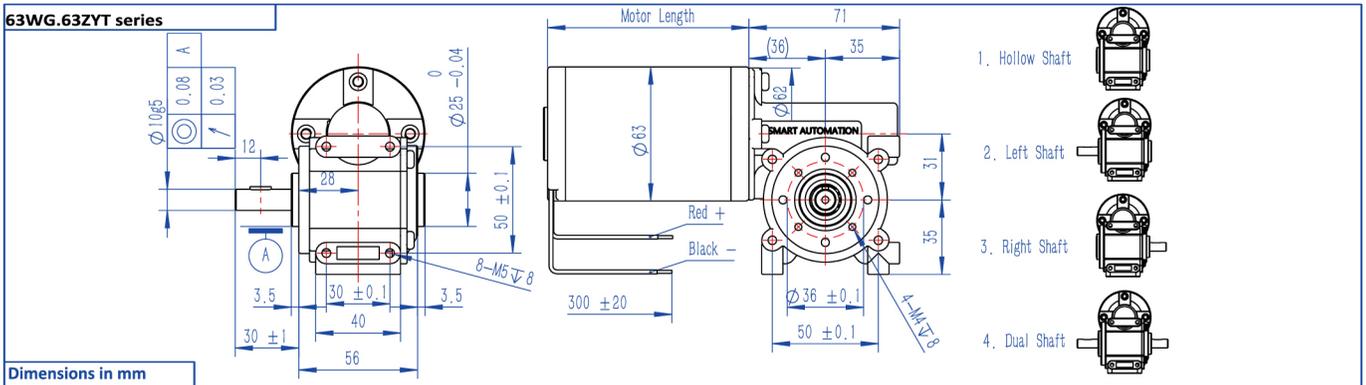
## 63WG.63ZYT SERIES PM DC WORM GEAR MOTOR

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54 )  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃



### 图纸 Drawing



### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位Unit	63ZYT01A	63ZYT02A	63ZYT03A	63ZYT04A
额定电压 Rated Voltage	VDC	24v (可定制直流12V到60V) ; 24v (option for 12v up to 60vdc)			
空载转速 No Load Speed	Rpm	3600	3600	3600	3600
额定力矩 Rated Torque	N.m	0.15	0.31	0.40	0.50
额定转速 Rated Speed	Rpm	3100	3100	3000	3000
额定电流 Rated Current	A	2.8	5.8	7.0	9.0
额定输出功率 Output Power	W	50	100	125	157
重量 Weight	Kg	1	1.2	1.35	1.5
机身长度 Motor Length	Mm	95	110	125	140

### 齿轮箱主要性能参数 Worm Gearbox Specification:

减速比 Reduction Ratio		10	15	30
效率 Efficiency		0.65	0.55	0.45
连续转矩 Continuous torque	Ncm	Up to /可达1000 (metallic gears,金属齿轮)		Up to /可达700 (non-metallic gears,非金属齿轮)
减速箱重量 Weight of gearbox	kg	0.4		
轴向载荷 /径向载荷 Axial load/radial load	N	300/350		

### 63WG.63ZYT01A 系列蜗轮蜗杆减速电机参数

#### 63WG.63ZYT01A Series Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	10	15	30
效率Efficiency		65%	55%	45%
空载转速 No Load Speed	Rpm	360	240	120
额定力矩Rated Torque	Nm	0.9	1.2	2.0
额定转速Rated Speed	Rpm	310	206	103

### 63WG.63ZYT02A 系列蜗轮蜗杆减速电机参数

#### 63WG.63ZYT02A Series Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	10	15	30
效率Efficiency		65%	55%	45%
空载转速 No Load Speed	Rpm	360	240	120
额定力矩Rated Torque	Nm	2.0	2.5	4.1
额定转速Rated Speed	Rpm	310	206	103

### 63WG.63ZYT03A 系列蜗轮蜗杆减速电机参数

#### 63WG.63ZYT03A Series Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	10	15	30
效率Efficiency		65%	55%	45%
空载转速 No Load Speed	Rpm	360	240	120
额定力矩Rated Torque	Nm	2.6	3.3	5.4
额定转速Rated Speed	Rpm	300	200	100

### 63WG.63ZYT04A 系列蜗轮蜗杆减速电机参数

#### 63WG.63ZYT04A Series Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	10	15	30
效率Efficiency		65%	55%	45%
空载转速 No Load Speed	Rpm	360	240	120
额定力矩Rated Torque	Nm	3.2	4.1	6.7
额定转速Rated Speed	Rpm	300	200	100

# NMRV030.80ZYT 系列蜗轮蜗杆减速电机

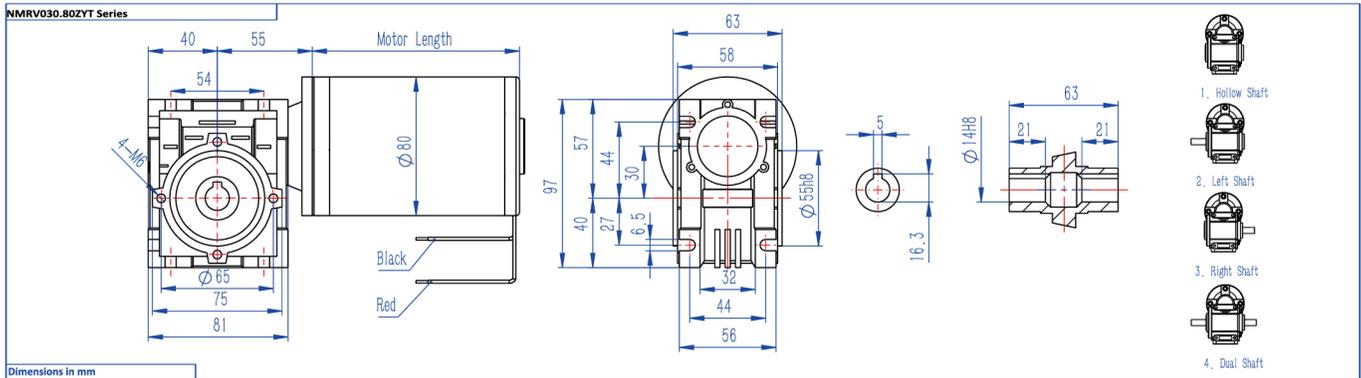
## NMRV030.80ZYT SERIES PM DC WORM GEAR MOTOR



### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54 )  
 绝缘等级: F级 / 工作温度:-40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 图纸 Drawing



### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	80ZYT01L	80ZYT02L	80ZYT03L	80ZYT04L
额定电压 Rated Voltage	VDC	24v (可定制直流12v到220v) ; 24v (option for 12v up to 220vdc)			
空载转速 No Load Speed	Rpm	2000	2000	2000	2000
额定力矩 Rated Torque	N.m	0.5	0.8	1.1	1.3
额定转速 Rated Speed	Rpm	1500	1500	1500	1500
额定电流 Rated Current	A	4.5	7.5	10.5	12.5
额定功率 Output Power	W	78.5	125.6	172.7	204.1
重量 Weight	Kg	2.5	3	3.5	4
机身长度 Motor Length	Mm	120	140	160	175

### NMRV030.80ZYT01L 蜗轮蜗杆减速电机参数 NMRV030.80ZYT01L Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%
空载转速 No Load Speed	Rpm	400	266	200	133	100	80	66	50	40	33	25
额定力矩 Rated Torque	N.m	2.2	3.1	4.2	6	7.5	9.3	10.5	13	15	16.5	20
额定转速 Rated Speed	Rpm	300	200	150	100	75	60	50	37	30	25	18

### NMRV030.80ZYT02L 蜗轮蜗杆减速电机参数 NMRV030.80ZYT02L Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%
空载转速 No Load Speed	Rpm	400	266	200	133	100	80	66	50	40	33	25
额定力矩 Rated Torque	N.m	3.6	5.1	6.8	9.6	12	15	16.8	20.8	24	26.4	32
额定转速 Rated Speed	Rpm	300	200	150	100	75	60	50	37	30	25	18

### NMRV030.80ZYT03L 蜗轮蜗杆减速电机参数 NMRV030.80ZYT03L Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%
空载转速 No Load Speed	Rpm	400	266	200	133	100	80	66	50	40	33	25
额定力矩 Rated Torque	N.m	4.9	7.0	9.3	13.2	16.5	20.6	23.1	28.6	33	36.3	44
额定转速 Rated Speed	Rpm	300	200	150	100	75	60	50	37	30	25	18

### NMRV030.80ZYT04L 蜗轮蜗杆减速电机参数 NMRV030.80ZYT04L Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%
空载转速 No Load Speed	Rpm	400	266	200	133	100	80	66	50	40	33	25
额定力矩 Rated Torque	N.m	5.8	8.2	11.0	15.6	19.5	24.3	27.3	33.8	39	42.9	52
额定转速 Rated Speed	Rpm	300	200	150	100	75	60	50	37	30	25	18

## NMRV040.80ZYT 系列蜗轮蜗杆减速电机

### NMRV040.80ZYT SERIES PM DC WORM GEAR MOTOR

#### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing

磁钢: 高性能铁氧体磁钢 2-极 Magnet: Hard Ferrite Magnet, 2- Poles

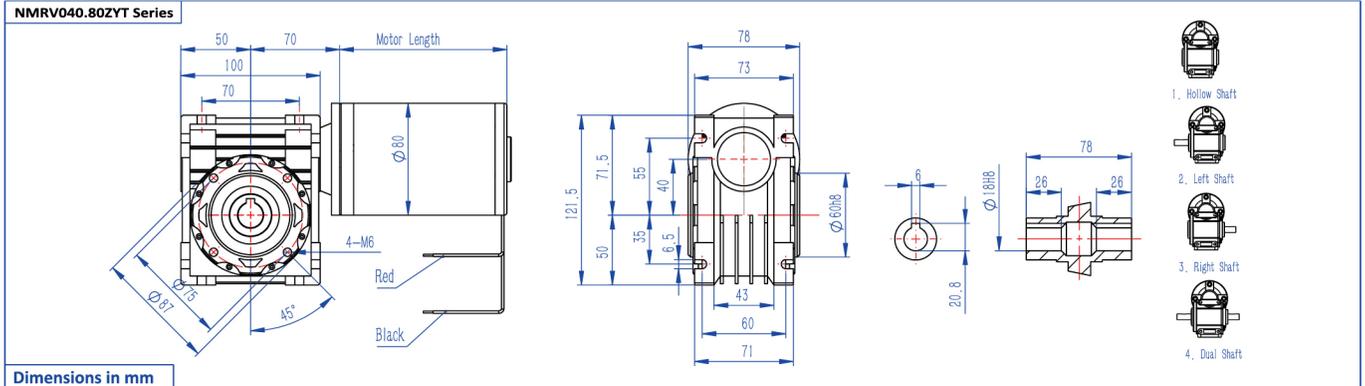
保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54 )

绝缘等级: F级 / 工作温度: -40℃~+140℃

Insulation Class: Class F / Working Temperature: -40℃~+140℃



#### 图纸 Drawing



#### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位Unit	80ZYT01M	80ZYT02M	80ZYT03M	80ZYT04M
额定电压 Rated Voltage	VDC	24v (可定制直流12v到220v) ; 24v (option for 12v up to 220vdc)			
空载转速 No Load Speed	Rpm	3100	3100	3100	3100
额定力矩 Rated Torque	N.m	0.5	0.8	1.1	1.3
额定转速 Rated Speed	Rpm	2500	2500	2500	2500
额定电流 Rated Current	A	7.5	12.5	17	20
额定功率 Output Power	W	130	209	288	340
重量 Weight	Kg	2.5	3	3.5	4.0
机身长度 Motor Length	Mm	120	140	160	175

#### NMRV040.80ZYT01M 蜗轮蜗杆减速电机参数 NMRV040.80ZYT01M Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80	100
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%	40%
空载转速 No Load Speed	Rpm	620	413	310	206	155	124	103	77	62	51	38	31
额定力矩 Rated Torque	N.m	2.2	3.1	4.2	6	7.5	9.3	10.5	13	15	16.5	20	20
额定转速 Rated Speed	Rpm	500	333	250	166	125	100	83	62	50	41	31	25

#### NMRV040.80ZYT02M 蜗轮蜗杆减速电机参数 NMRV040.80ZYT02M Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80	100
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%	40%
空载转速 No Load Speed	Rpm	620	413	310	206	155	124	103	77	62	51	38	31
额定力矩 Rated Torque	N.m	3.6	5.1	6.8	9.6	12	15	16.8	20.8	24	26.4	32	32
额定转速 Rated Speed	Rpm	500	333	250	166	125	100	83	62	50	41	31	25

#### NMRV040.80ZYT03M 蜗轮蜗杆减速电机参数 NMRV040.80ZYT03M Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80	100
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%	40%
空载转速 No Load Speed	Rpm	620	413	310	206	155	124	103	77	62	51	38	31
额定力矩 Rated Torque	N.m	4.9	7.0	9.3	13.2	16.5	20.6	23.1	28.6	33	36.3	44	44
额定转速 Rated Speed	Rpm	500	333	250	166	125	100	83	62	50	41	31	25

#### NMRV040.80ZYT04M 蜗轮蜗杆减速电机参数 NMRV030.80ZYT04M Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80	100
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%	40%
空载转速 No Load Speed	Rpm	620	413	310	206	155	124	103	77	62	51	38	31
额定力矩 Rated Torque	N.m	5.8	8.2	11.0	15.6	19.5	24.3	27.3	33.8	39	42.9	52	52
额定转速 Rated Speed	Rpm	500	333	250	166	125	100	83	62	50	41	31	25

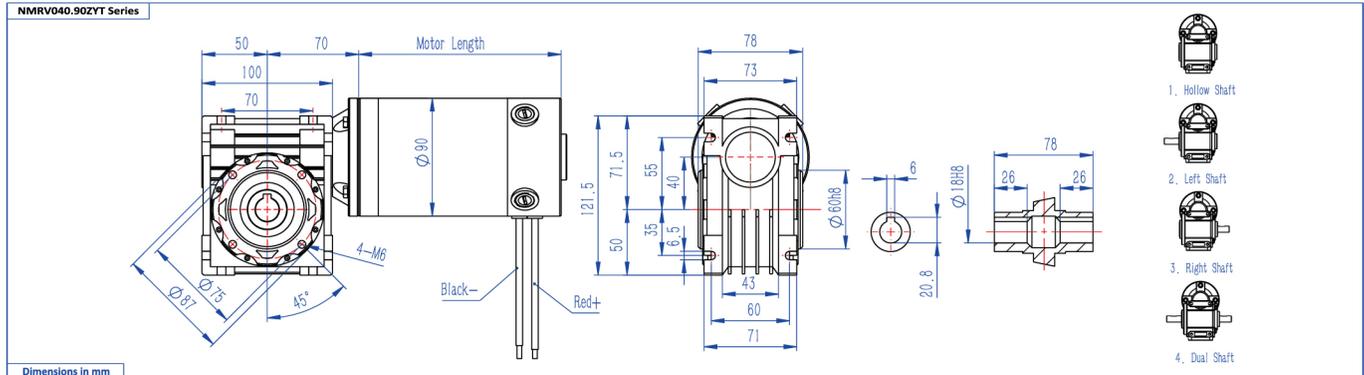
## NMRV040.90ZYT 系列蜗轮蜗杆减速电机 NMRV040.90ZYT SERIES PM DC WORM GEAR MOTOR



### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 4-极 Magnet: Hard Ferrite Magnet, 4- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54 )  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃

### 图纸 Drawing



### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	90ZYT01L	90ZYT02L	90ZYT03L
额定电压 Rated Voltage	VDC	24v (可定制12v到220v) ; 24v (option for 12v 36v 48v up to 220vdc)		
空载转速 No Load Speed	Rpm	2300	2300	2300
额定力矩 Rated Torque	N.m	1.5	2.0	3.0
额定转速 Rated Speed	rpm	1850	1800	1800
额定电流 Rated Current	A	16.5	21	32
额定功率 Output Power	W	290	377	565
重量 Weight	Kg	3.5	4	4.5
机身长度 Motor Length	Mm	155	180	199

### NMRV040.90ZYT01L 蜗轮蜗杆减速电机参数 NMRV040.90ZYT01L Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80	100
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%	40%
空载转速 No Load Speed	Rpm	460	306	230	153	115	92	76	57	46	28	28	23
额定力矩 Rated Torque	N.m	6.8	9.6	12.8	18.0	22.5	28.1	31.5	39.0	45.0	49.5	60.0	60.0
额定转速 Rated Speed	Rpm	370	246	185	123	92	74	61	46	37	30	23	18

### NMRV040.90ZYT02L 蜗轮蜗杆减速电机参数 NMRV040.90ZYT02L Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80	100
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%	40%
空载转速 No Load Speed	Rpm	460	306	230	153	115	92	76	57	46	38	28	23
额定力矩 Rated Torque	N.m	9.0	12.8	17.0	24.0	30.0	37.5	42.0	52.0	60.0	66.0	70.0	70.0
额定转速 Rated Speed	Rpm	360	240	180	120	90	72	60	45	36	30	22	18

### NMRV040.90ZYT03L 蜗轮蜗杆减速电机参数 NMRV040.90ZYT03L Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80	100
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%	40%
空载转速 No Load Speed	Rpm	460	306	230	153	115	92	76	57	46	38	28	23
额定力矩 Rated Torque	N.m	13.5	19.1	25.5	36.0	45.0	56.3	63.0	75.0	75.0	75.0	75.0	75.0
额定转速 Rated Speed	Rpm	360	240	180	120	90	72	60	45	36	30	22	18

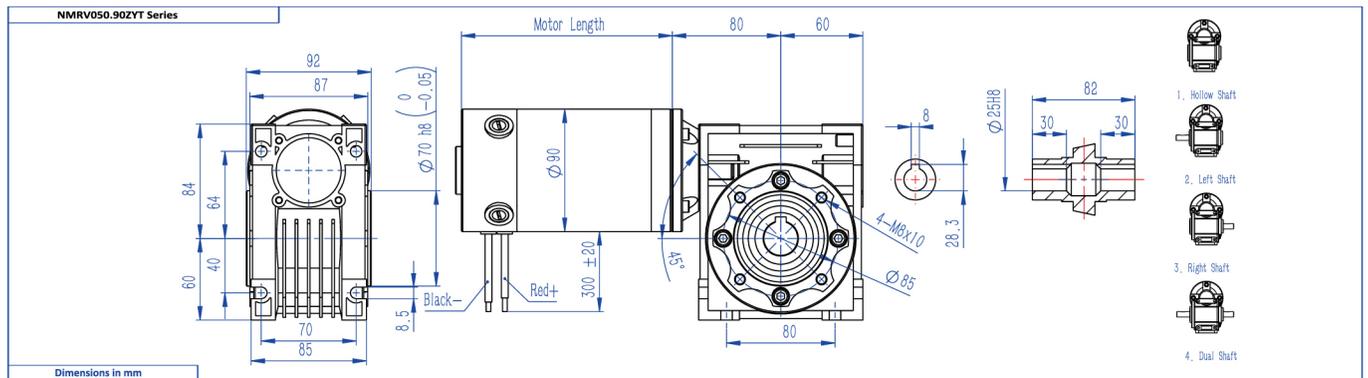
## NMRV050.90ZYT 系列蜗轮蜗杆减速电机 NMRV050.90ZYT SERIES PM DC WORM GEAR MOTOR

### 电机主要规格参数 Motor Specifications:

轴承: 高质量滚珠轴承 Bearing: High Quality Ball Bearing  
 磁钢: 高性能铁氧体磁钢 4-极 Magnet: Hard Ferrite Magnet, 4- Poles  
 保护等级: IP50( 可选IP54) Protection Class: IP50 ( Option for IP54)  
 绝缘等级: F级 / 工作温度: -40℃~+140℃  
 Insulation Class: Class F / Working Temperature: -40℃~+140℃



### 图纸 Drawing



### 电机主要性能参数 Motor Main Characteristics:

型号Model	单位 Unit	90ZYT01A	90ZYT02A	90ZYT03A
额定电压 Rated Voltage	VDC	24v (可定制12v到220v) ; 24v (option for 12v 36v 48v up to 220vdc)		
空载转速 No Load Speed	Rpm	3600	3600	3600
额定力矩 Rated Torque	N.m	1.5	2.2	3
额定转速 Rated Speed	rpm	3000	3000	3000
额定电流 Rated Current	A	26	37	50
额定功率 Output Power	W	471	691	942
重量 Weight	Kg	3.5	4	4.5
机身长度 Motor Length	Mm	155	180	199

### NMRV050.90ZYT01A 蜗轮蜗杆减速电机参数 NMRV050.90ZYT01A Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80	100
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%	40%
空载转速 No Load Speed	Rpm	720	480	360	240	180	144	120	90	72	60	45	36
额定力矩Rated Torque	N.m	6.7	9.5	12.7	18.0	22.5	28.1	31.5	39.0	45.0	49.5	60.0	60.0
额定转速Rated Speed	Rpm	600	400	300	200	150	120	100	75	60	50	37.5	30

### NMRV050.90ZYT02A 蜗轮蜗杆减速电机参数 NMRV050.90ZYT02A Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80	100
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%	40%
空载转速 No Load Speed	Rpm	720	480	360	240	180	144	120	90	72	60	45	36
额定力矩Rated Torque	N.m	9.9	14.0	18.7	26.4	33.0	41.2	46.2	57.2	66.0	72.6	88.0	88.0
额定转速Rated Speed	Rpm	600	400	300	200	150	120	100	75	60	50	37.5	30

### NMRV050.90ZYT03A 蜗轮蜗杆减速电机参数 NMRV050.90ZYT03A Worm Gear Motor Specification:

减速比Reduction Ratio	单位Unit	5	7.5	10	15	20	25	30	40	50	60	80	100
效率Efficiency		90%	85%	85%	80%	75%	75%	70%	65%	60%	55%	50%	40%
空载转速 No Load Speed	Rpm	720	480	360	240	180	144	120	90	72	60	45	36
额定力矩Rated Torque	N.m	13.5	19.1	25.5	36.0	45.0	56.2	63.0	78.0	90.0	90.0	90.0	90.0
额定转速Rated Speed	Rpm	600	400	300	200	150	120	100	75	60	50	37.5	30