

## 公司简介

深圳市东铭电机前身为深圳市东顺电机有限公司，成立于2017年，是一家专注于微型直流减速电机研究、开发、生产及销售的高科技企业。工厂座落于风景秀丽,交通便利,科技发达的深圳市龙华区。公司技术和研发实力雄厚，被政府认定为“深圳市高新技术企业”。

公司自成立以来，始终坚持以人为本、以客户为中心，品质至上，诚信立业的经营原则，基于客户需求为己任，持续创新，努力攻关，赢得国内外广大客户的一致好评与长期合作，实现了企业快速、稳定地发展。

我们的产品广泛应用于智能家居，医疗器械，电动工具，自动化控制以及其它智能控制驱动产品。我们深信未来将是一个智能化的世界，愿与广大客户一起，共同构建一个高效的研发整合平台，共创未来。

全体东铭人竭诚为您提供优质的服务，期待您的垂询!

## Company Profile

ShenZhen DongMing Motor Co., Ltd, previously known as Shenzhen DongShun Motor Co., Ltd, set up in 2017, is a high-tech enterprise specialized in R&D, manufacturing and sales of micro dc gear motors. The factory is located in scenic, convenient and technologically advanced Longhua District of Shenzhen Special Economic Zone. DongMing Motor is assessed as one of "Shenzhen High-tech Enterprises" by the official government, due to the abundant research and development strength. Moreover, more than 10 patents about dc gear motor have been issued to DongMing Motor till 2020.

Since the establishment of the company, DongMing Motor is always insisting on the concept of people-oriented, clients-centred, quality first and integrity, devoting all efforts to customer demands, and continuous innovation and breakthrough, has won great admiration and cooperation of customers all over the world, achieving a rapidly and stable enterprise development.

Our main products include dc spur gear motors, dc planetary gear motors, dc worm gear motors and dc motor encoder etc, these gear motors are widely applied in smart home appliance, medical equipment, electrical tools, automatic control and other smart driving products. We believe in a smart world in the future, and we are willing to build an efficient R&D platform with all our customers, joining hands with each other to create a brighter future.

Thanks for your inquiry, we will make all efforts to provide you with high-quality services.



# 证书资质



为世界一流企业提供电机解决方案

符合ISO9001:2008质量管理体系认证

获得CE,ROHS等产品认证

In comformity with ISO9001 quality management system, achieved CE&Rohs certification, we are committed to provide motor solution for world-class enterprise.



高新技术企业证书  
SHENZHEN HIGH-TECH ENTERPISE



# Certificate Qualification



## DC SPUR GEAR MOTOR DM-12SSN20

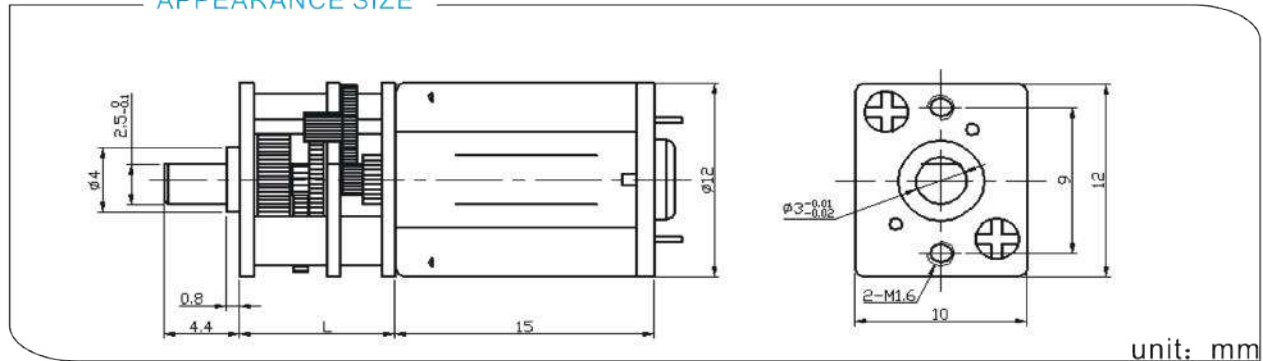
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	4	5	7
减数比 Reduction Ratio i	3、5、10	17、20、30、36 50、63、100	110、150、210 250、298、380	372、625、1000
齿轮箱长度 Gearbox Length L (mm)	9	9	9	12
破坏扭力 Breaking Torque(kgf.cm)	0.6	0.9	1.2	2
齿轮箱效率 Gearbox Efficiency $\eta$	81%	65%	59%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (r/min)	扭矩 ( $t_m$ )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-N20-003-10000	3	$\leq 50$	10000	$\leq 185$	8000	2	0.2	$\geq 8$	$\geq 350$
DM-N20-003-15000	3	$\leq 80$	15000	$\leq 280$	12400	3	0.4	$\geq 12$	$\geq 520$
DM-N20-003-20000	3	$\leq 110$	20000	$\leq 370$	15500	4	0.6	$\geq 16$	$\geq 700$
DM-N20-006-10000	6	$\leq 25$	10000	$\leq 95$	8000	2	0.2	$\geq 8$	$\geq 160$
DM-N20-006-20000	6	$\leq 60$	20000	$\leq 190$	15500	4	0.6	$\geq 16$	$\geq 320$

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-12SSN20-00316000-150K	3	0.07	110.7	0.27	87.3	0.28	0.25	1.30	1.01
DM-12SSN20-00310000-1000K	3	0.03	10.7	0.15	7.30	1.20	0.10	3.90	0.33
DM-12SSN20-00514500-100K	5	0.04	135.5	0.13	104.1	0.17	0.19	0.75	0.44
DM-12SSN20-00515000-250K	5	0.04	61.5	0.15	47.3	0.50	0.24	2.00	0.53
DM-12SSN20-00515000-298K	5	0.03	48.8	0.12	38.6	0.50	0.20	2.40	0.46

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

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Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_{mi}$ )

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )

## DC SPUR GEAR MOTOR DM-12SSN30

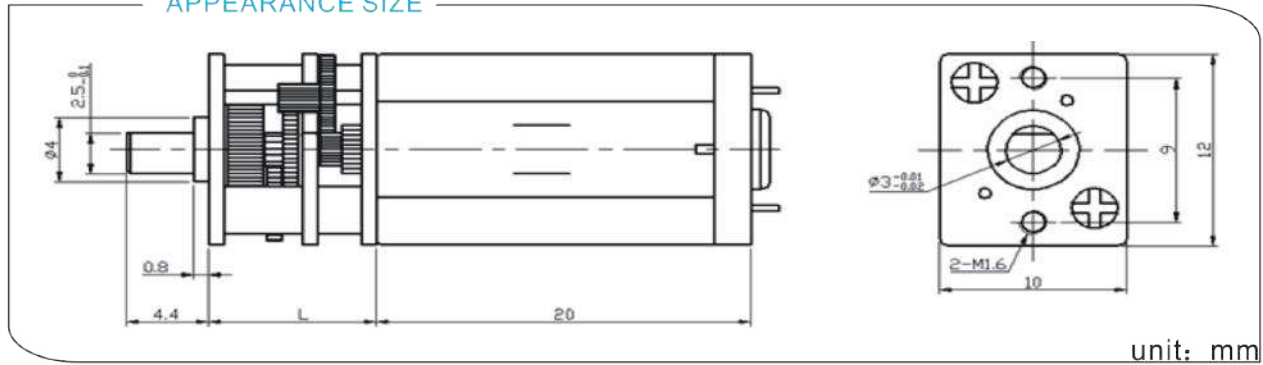
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	4	5	7
减数比 Reduction Ratio i	3、5、10	17、20、30、36 50、63、100	110、150、210 250、298、380	372、625、1000
齿轮箱长度 Gearbox Length L (mm)	9	9	9	12
破坏扭力 Breaking Torque(kgf.cm)	0.6	0.9	1.2	2
齿轮箱效率 Gearbox Efficiency η	81%	65%	59%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-N30-006-10000	6	≤30	10000	≤110	7500	4	0.3	≥16	≥280
DM-N30-006-15000	6	≤55	15000	≤200	11250	6	0.7	≥24	≥490
DM-N30-006-25000	6	≤100	20000	≤370	18750	8	1.5	≥32	≥1500
DM-N30-012-10000	12	≤25	10000	≤95	8000	2	0.2	≥8	≥160
DM-N30-012-20000	12	≤35	20000	≤155	15500	4	0.6	≥16	≥750

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-12SSN30-00315000-250K	3	0.06	57.3	0.28	45.9	0.60	0.28	2.90	1.18
DM-12SSN30-00317500-50K	3	0.12	322.7	0.46	246.6	0.21	0.52	0.88	1.55
DM-12SSN30-00520000-100K	5	0.05	196.9	0.30	164.4	0.42	0.71	2.60	1.58
DM-12SSN30-00610000-100K	6	0.02	105.9	0.08	86.0	0.17	0.15	0.90	0.33
DM-12SSN30-00610000-150K	6	0.02	67.8	0.08	53.4	0.35	0.19	1.63	0.32

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

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We can customize parameters according to customer requirements.

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Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-13SS030

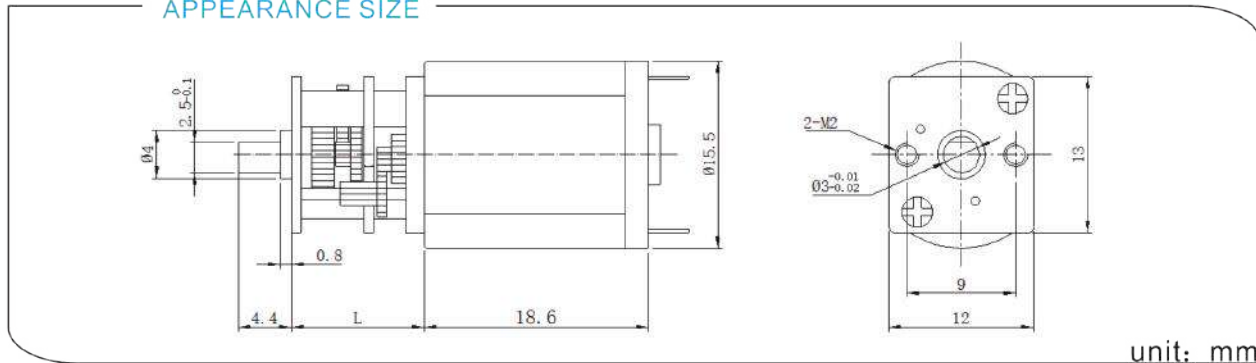
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	4	5
减数比 Reduction Ratio i	3、7、10	16、17、20、30 35、50、63、70、86	115、150、210 250、360
齿轮箱长度 Gearbox Length L (mm)	11	11	11
破坏扭力 Breaking Torque(kgf.cm)	0.6	0.9	2
齿轮箱效率 Gearbox Efficiency η	81%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-030-003-8000	3	≤55	8000	≤250	6000	4	0.2	≥16	≥500
DM-030-003-10500	3	≤80	10500	≤300	7200	5	0.4	≥20	≥750
DM-030-006-8000	6	≤30	8000	≤120	5000	4	0.2	≥16	≥150
DM-030-006-10500	6	≤40	10500	≤160	7000	5	0.4	≥20	≥400

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-13SS030-0038500-10K	3	0.04	784.4	0.18	619.2	0.04	0.23	0.17	0.68
DM-13SS030-00312000-150K	3	0.12	71.9	0.32	52.9	0.33	0.18	1.25	0.90

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

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Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-13SS050

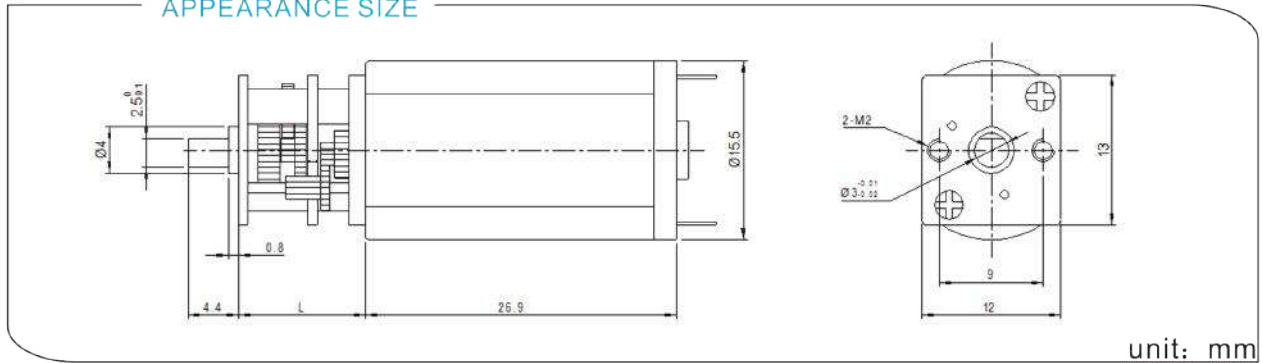
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	4	5
减数比 Reduction Ratio i	3、7、10	16、17、20、30 35、50、63、70、86	115、150、210 250、360
齿轮箱长度 Gearbox Length L (mm)	11	11	11
破坏扭力 Breaking Torque(kgf.cm)	0.6	0.9	2
齿轮箱效率 Gearbox Efficiency η	81%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-050-006-9000	6	≤60	9000	≤260	7500	8	0.6	≥30	≥550
DM-050-006-12000	6	≤70	12000	≤300	9300	10	1.0	≥40	≥1000
DM-050-012-9000	12	≤30	9000	≤130	7500	8	0.6	≥30	≥300
DM-050-012-12000	12	≤50	12000	≤200	10000	10	1.0	≥40	≥600

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-13SS050-00513000-35K	5	0.11	354.3	0.45	282.5	0.31	0.90	1.53	1.74
DM-13SS050-00513000-63K	5	0.10	202.0	0.41	160.6	0.56	0.92	2.73	1.61
DM-13SS050-00513000-86K	5	0.10	144.6	0.38	117.8	0.66	0.80	3.60	1.69
DM-13SS050-00628000-63K	6	0.44	416.1	1.43	305.1	0.78	2.44	2.91	4.16
DM-13SS050-00630000-86K	6	0.28	317.8	1.11	257.3	0.93	2.46	4.90	4.61

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Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-16RS050

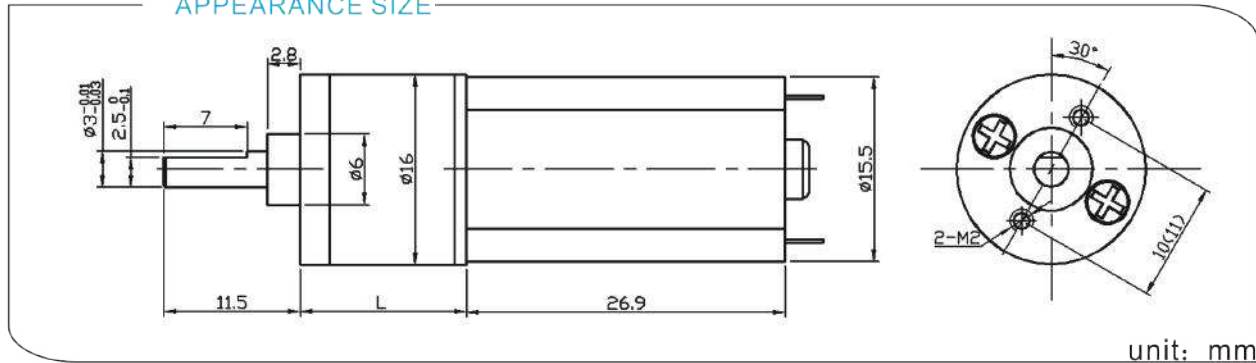
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7
减数比 Reduction Ratio i	10、14	23、28、32、40	46、56、65 79、91、112	130、159、183 224、257、315	365、448、515 631、725、889
齿轮箱长度 Gearbox Length L (mm)	11	12.5	14	15.5	17
破坏扭力 Breaking Torque(kgf.cm)	1	2	3	4	4
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%	53%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-050-006-9000	6	≤60	9000	≤260	7500	8	0.6	≥30	≥550
DM-050-006-12000	6	≤70	12000	≤300	9300	10	1.0	≥40	≥1000
DM-050-012-9000	12	≤30	9000	≤130	7500	8	0.6	≥30	≥300
DM-050-012-12000	12	≤50	12000	≤200	10000	10	1.0	≥40	≥6000

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-16RS050-00611400-365K	6	0.07	32.2	0.27	25.50	1.20	0.32	5.82	1.04
DM-16RS050-00680000-365K	6	0.07	23.4	0.26	17.80	1.90	0.35	7.88	0.86
DM-16RS050-0088300-46K	8	0.02	183.1	0.11	144.6	0.16	0.24	0.76	0.42
DM-16RS050-01210500-515K	12	0.03	20.0	0.11	15.50	1.30	0.20	5.70	0.35
DM-16RS050-01215000-40K	12	0.03	376.3	0.16	303.7	0.23	0.73	1.21	0.70

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

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Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)



## DC SPUR GEAR MOTOR DM-20RS130

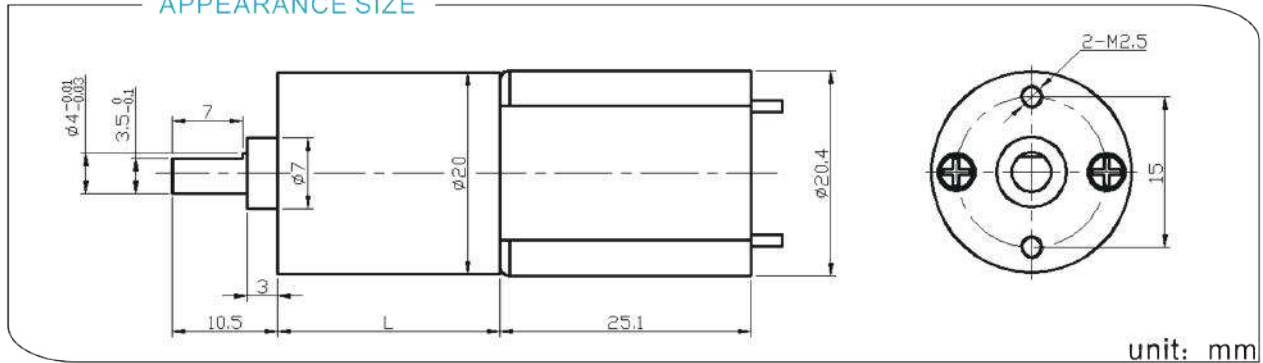
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	4	5	6	7	8
减数比 Reduction Ratio i	18、23	35、44、55	67、84、105、132	161、202、252、316	386、484、606、758
齿轮箱长度 Gearbox Length L (mm)	16.2	17.7	19.2	20.7	22.2
破坏扭力 Breaking Torque(kgf.cm)	2	4	6	8	8
齿轮箱效率 Gearbox Efficiency $\eta$	65%	59%	53%	48%	43%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-130-006-6000	6	≤90	6000	≤280	5400	10	0.6	≥40	≥500
DM-130-006-9000	6	≤120	9000	≤430	7000	15	1.1	≥60	≥1200
DM-130-012-6000	12	≤45	6000	≤140	5400	10	0.6	≥40	≥250
DM-130-012-9000	12	≤60	9000	≤200	7000	15	1.1	≥60	≥600

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-20RS130-0066000-386K	6	0.07	14.10	0.23	10.50	2.40	0.26	8.80	0.67
DM-20RS130-0129000-31K	12	0.11	263.6	0.28	184.8	0.38	0.72	1.20	0.70
DM-20RS130-0129000-46K	12	0.09	185.1	0.26	134.3	0.57	0.79	2.10	0.70
DM-20RS130-0129000-71K	12	0.05	128.3	0.21	99.80	0.76	0.78	3.40	0.77
DM-20RS130-0248800-484K	24	0.04	17.30	0.10	11.80	2.50	0.31	7.90	0.23

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

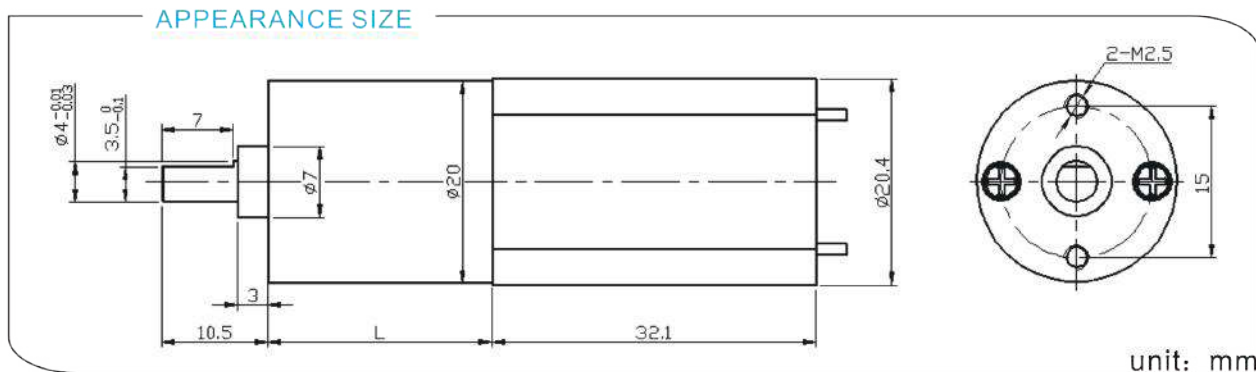
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )

## DC SPUR GEAR MOTOR DM-20RS180

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



齿轮箱参数/Gearbox Data:

级数 Number of stages	4	5	6	7	8
减数比 Reduction Ratio i	18、23	35、44、55	67、84、 105、132	161、202、 252、316	386、484 606、758
齿轮箱长度 Gearbox Length L (mm)	16.2	17.7	19.2	20.7	22.2
破坏扭力 Breaking Torque(kgf.cm)	2	4	6	8	8
齿轮箱效率 Gearbox Efficiency η	65%	59%	53%	48%	43%

电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-180-006-6000	6	≤65	6000	≤260	5100	15	0.8	≥55	≥1150
DM-180-012-6000	12	≤27	6000	≤150	5100	15	0.8	≥55	≥430
DM-180-012-9000	12	≤80	9000	≤260	7000	20	1.4	≥80	≥1000
DM-180-024-9000	24	≤50	9000	≤150	7800	20	1.6	≥80	≥550

减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-20RS180-0039500-67K	3	0.21	139.9	0.91	115.5	0.68	0.81	3.90	4.21
DM-20RS180-0039500-84K	3	0.24	109.9	1.09	86.5	1.09	0.97	5.10	4.21
DM-20RS180-0069000-55K	6	0.08	162.4	0.39	133.9	0.57	0.79	3.30	1.81
DM-20RS180-00614000-202K	6	0.21	68.5	0.97	56.5	2.71	1.57	15.40	4.51
DM-20RS180-01211000-55K	12	0.09	196.1	0.33	159.2	0.85	1.38	4.50	1.35

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-25RS310

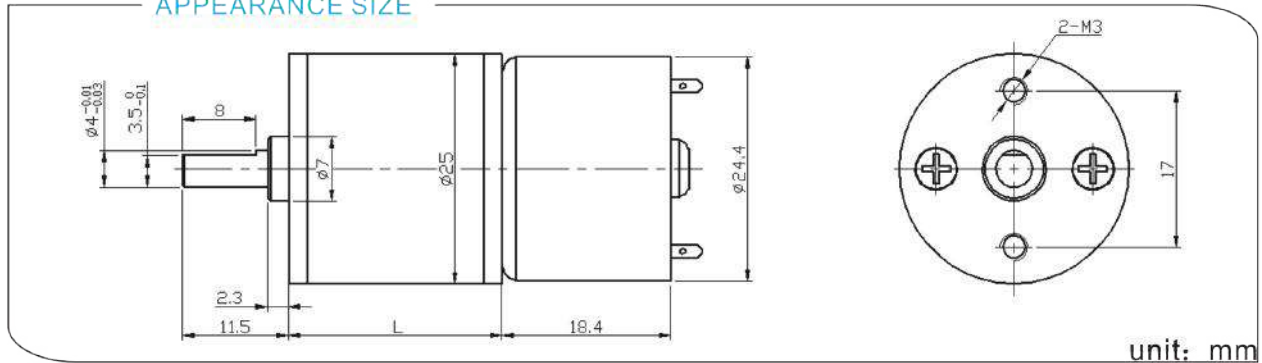
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7	8
减数比 Reduction Ratio i	9.3、10、11.5	20.4、21、23、25、28	45、55.4、62、69	86、99、110、122、135.5	217、241、268、409	478、531、590、656、729
齿轮箱长度 Gearbox Length L (mm)	17	19	21	23	25	27
破坏扭力 Breaking Torque(kgf.cm)	6	8	10	12	14	14
齿轮箱效率 Gearbox Efficiency $\eta$	73%	65%	59%	53%	48%	43%

电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-310-006-3000	6	$\leq 20$	3000	$\leq 60$	2300	5	0.1	$\geq 20$	$\geq 135$
DM-310-006-4500	6	$\leq 40$	4500	$\leq 120$	3200	7	0.2	$\geq 28$	$\geq 240$
DM-310-006-6000	6	$\leq 35$	6000	$\leq 140$	4500	10	0.5	$\geq 40$	$\geq 600$
DM-310-012-3000	12	$\leq 15$	3000	$\leq 40$	2300	5	0.1	$\geq 20$	$\geq 70$
DM-310-012-4500	12	$\leq 20$	4500	$\leq 55$	3200	7	0.2	$\geq 28$	$\geq 120$

减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-25RS310-0032300-217K	3	0.01	9.6	0.05	7.2	0.45	0.03	1.77	0.16
DM-25RS310-4.59000-478K	4.5	0.11	18.1	0.33	13.5	2.50	0.35	7.8	0.98
DM-25RS310-0065200-20.4K	6	0.04	232.9	0.14	173.7	0.11	0.19	0.42	0.44
DM-25RS310-7.56500-217K	7.5	0.06	27.6	0.19	20.2	1.29	0.27	4.86	0.56
DM-25RS310-0124500-99K	12	0.02	40.1	0.05	28.4	0.46	0.13	1.57	0.12

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )

## DC SPUR GEAR MOTOR DM-25RS370

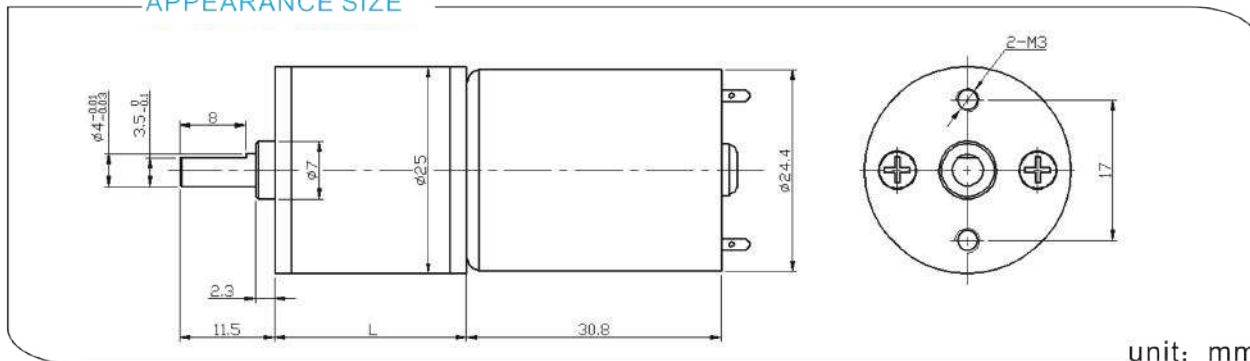
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7	8
减数比 Reduction Ratio i	9.3、10、11.5	20.4、21、23、25、28	45、55.4、62、69	86、99、110、122、135.5	217、241、268、409	478、531、590、656、729
齿轮箱长度 Gearbox Length L (mm)	17	19	21	23	25	27
破坏扭力 Breaking Torque(kgf.cm)	6	8	10	12	14	14
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%	53%	48%	43%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-370-006-3000	6	≤40	3000	≤160	2500	15	0.4	≥68	≥520
DM-370-006-4500	6	≤56	4500	≤300	3300	25	0.8	≥115	≥860
DM-370-006-6000	6	≤80	6000	≤450	4500	35	1.6	≥165	≥1800
DM-370-012-3000	12	≤20	3000	≤80	2500	15	0.4	≥68	≥250
DM-370-012-4500	12	≤35	4500	≤150	3300	25	0.8	≥115	≥550

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	功率	扭矩	扭矩
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-25RS370-0056300-99K	5	0.08	63.8	0.48	54.7	1.69	0.95	11.87	2.88
DM-25RS370-0059000-45K	5	0.39	212.9	1.49	166.2	0.99	1.68	4.50	5.39
DM-25RS370-0064000-478K	6	0.06	7.7	0.24	5.90	4.94	0.30	20.5	0.81
DM-25RS370-0065500-99K	6	0.13	53.7	0.48	41.0	2.13	0.90	9.03	1.61
DM-25RS370-0066000-78K	6	0.09	72.9	0.41	58.2	1.21	0.72	6.01	1.69

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-25RS385

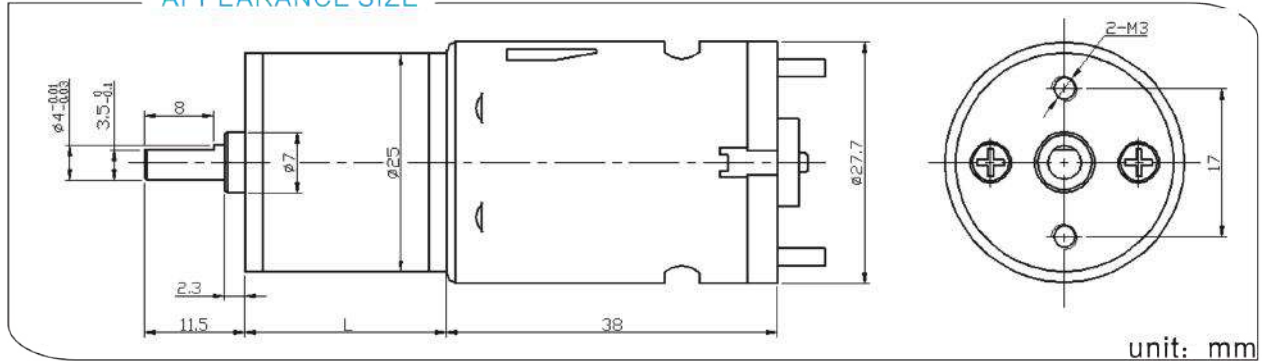
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7	8
减数比 Reduction Ratio i	9.3、10、11.5	20.4、21、23、25、28	45、55.4、62、69	86、99、110、122、135.5	217、241、268、409	478、531、590、656、729
齿轮箱长度 Gearbox Length L (mm)	17	19	21	23	25	27
破坏扭力 Breaking Torque(kgf.cm)	6	8	10	12	14	14
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%	53%	48%	43%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-385-012-3000	12	≤60	3000	≤150	2200	35	0.8	≥110	≥360
DM-385-012-4500	12	≤70	4500	≤300	3300	55	1.9	≥210	≥960
DM-385-012-6000	12	≤100	6000	≤600	4500	80	3.7	≥280	≥1600
DM-385-024-3000	24	≤28	3000	≤70	2200	35	0.8	≥110	≥160
DM-385-024-4500	24	≤50	4500	≤150	4500	55	1.9	≥180	≥380

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-25RS385-4.54500-122K	4.5	0.21	39.9	0.79	31.4	3.0	0.96	14	2.92
DM-25RS385-7.49000-20.4K	7.4	0.29	427.9	1.05	345.0	0.7	2.49	3.62	4.21
DM-25RS385-0129000-20.4K	12	0.14	432	0.67	351.2	0.94	3.38	5.01	2.94
DM-25RS385-01210500-35.8K	12	0.18	287.8	0.92	233.0	1.9	4.45	9.8	4.09

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-27RS310

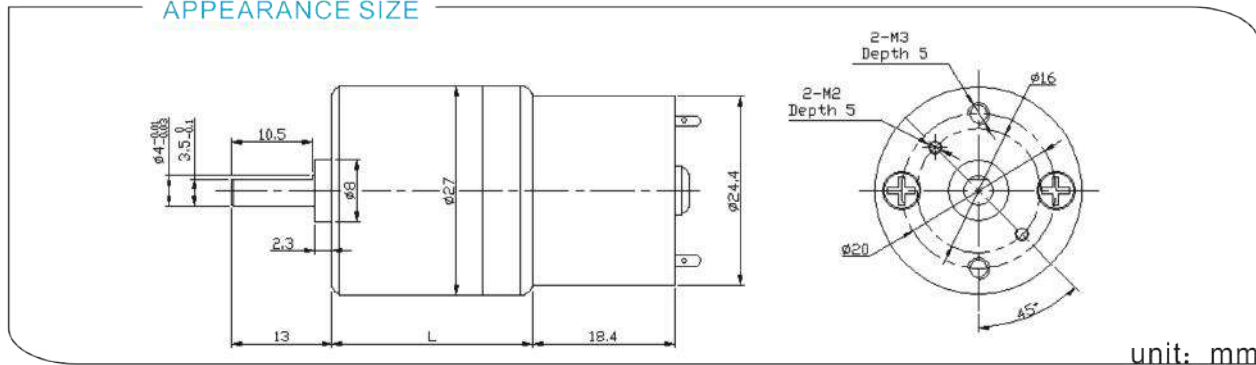
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	4	5	6	7	8
减速比 Reduction Ratio i	19、27	36、52、76、94	100、145、210	278、403、584	772、1119、1621
齿轮箱长度 Gearbox Length L (mm)	18	20	22	24	26
破坏扭力 Breaking Torque(kgf.cm)	10	12	14	16	16
齿轮箱效率 Gearbox Efficiency η	65%	59%	53%	48%	43%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-310-006-3000	6	≤20	3000	≤60	2300	35	0.1	≥110	≥360
DM-310-006-4500	6	≤40	4500	≤120	3200	55	0.2	≥210	≥960
DM-310-006-6000	6	≤35	6000	≤140	4500	80	0.5	≥280	≥1600
DM-310-012-3000	12	≤15	3000	≤40	2300	35	0.1	≥110	≥160
DM-310-012-4500	12	≤20	4500	≤55	3200	55	0.2	≥180	≥380

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-27RS310-0125000-100K	12	0.03	46.2	0.04	37.4	0.36	0.14	1.9	0.18
DM-27RS310-0126200-12K	12	0.04	572.1	0.11	418.3	0.1	0.42	0.4	0.29
DM-27RS310-0126200-23K	12	0.04	238.6	0.1	169.5	0.19	0.34	0.7	0.27
DM-27RS310-0128000-52K	12	0.04	142.0	0.13	108.5	0.36	0.4	1.5	0.43
DM-27RS310-0129200-210K	12	0.07	41.6	0.21	30.1	1.54	0.48	5.6	0.58

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-27RS370

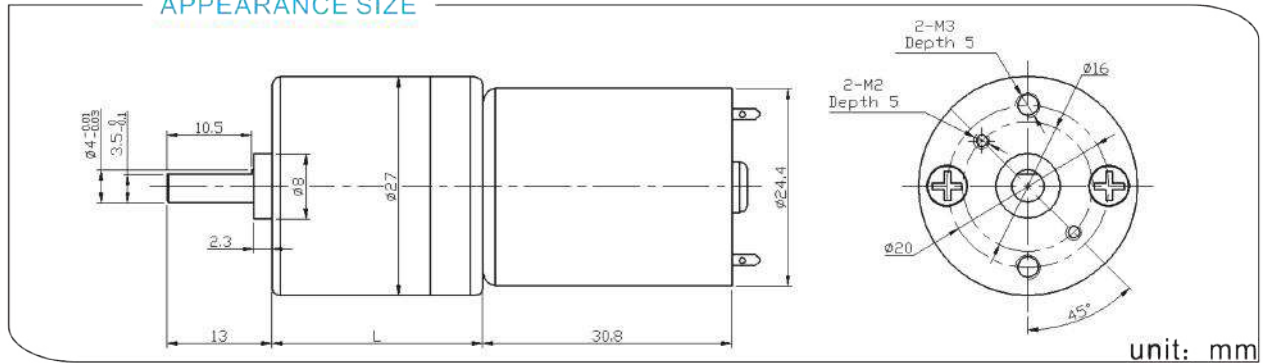
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	4	5	6	7	8
减速比 Reduction Ratio i	19、27	36、52、76、94	100、145、210	278、403、584	772、1119、1621
齿轮箱长度 Gearbox Length L (mm)	18	20	22	24	26
破坏扭力 Breaking Torque(kgf.cm)	10	12	14	16	16
齿轮箱效率 Gearbox Efficiency η	65%	59%	53%	48%	43%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	扭矩
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-370-006-3000	6	≤40	3000	≤160	2500	15	0.4	≥68	≥520
DM-370-006-4500	6	≤56	4500	≤300	3300	25	0.8	≥115	≥860
DM-370-006-6000	6	≤80	6000	≤450	4500	35	1.6	≥165	≥1800
DM-370-012-3000	12	≤20	3000	≤80	2500	15	0.4	≥68	≥250
DM-370-012-4500	12	≤35	4500	≤150	4500	25	0.8	≥115	≥550

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	扭矩
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-27RS370-0066000-19K	6	0.10	302.5	0.46	248.1	0.45	1.14	2.48	2.1
DM-27RS370-0124500-27K	12	0.03	141.7	0.14	112.9	0.52	0.61	2.57	0.57
DM-27RS370-0124800-402K	12	0.03	11.0	0.14	8.8	3.56	0.32	18.32	0.56
DM-27RS370-0125500-278K	12	0.06	19.4	0.27	15.8	5.23	0.85	28.48	1.25
DM-27RS370-0126000-210K	12	0.04	27.9	0.17	22.4	2.6	0.6	13.25	0.69

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-30RS385

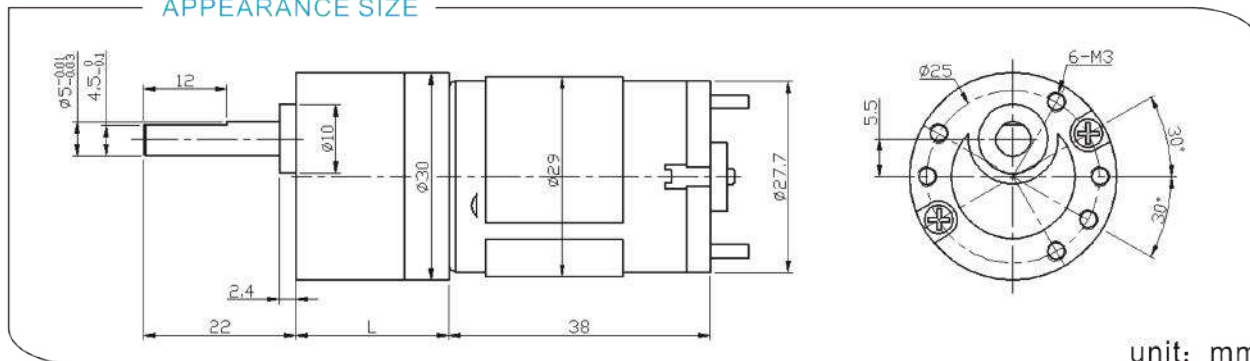
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	4	5	6	7	8
减速比 Reduction Ratio i	37	88、114、131	206、265、305 341、392、450	619、711、796 914、1049、1548	1857、2132 2387、2447
齿轮箱长度 Gearbox Length L (mm)	22.2	24.8	27.4	30	32.6
破坏扭力 Breaking Torque(kgf.cm)	10	12	16	20	20
齿轮箱效率 Gearbox Efficiency η	65%	59%	53%	48%	43%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-385-012-3000	12	≤60	3000	≤150	2200	35	0.8	≥110	≥360
DM-385-012-4500	12	≤70	4500	≤300	3300	55	1.9	≥210	≥960
DM-385-012-6000	12	≤100	6000	≤600	4500	80	3.7	≥280	≥1600
DM-385-024-3000	24	≤28	3000	≤70	2200	35	0.8	≥110	≥160
DM-385-024-4500	24	≤50	4500	≤150	3300	55	1.9	≥180	≥380

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-30RS385-0126000-265K	12	0.21	23.1	0.7	17.2	12.0	2.16	48.0	2.14
DM-30RS385-0126000-341K	12	0.22	17.4	0.7	12.9	16.0	2.15	63.0	2.09
DM-30RS385-01212000-20K	12	0.36	576.7	1.42	446.2	1.56	7.13	6.9	5.06
DM-30RS385-0247300-37K	24	0.08	189.5	0.3	150.7	1.89	2.91	8.0	1.14
DM-30RS385-0248000-37K	24	0.09	214.5	0.34	169.1	1.90	3.28	9.0	1.27

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)



## DC SPUR GEAR MOTOR DM-30RS395

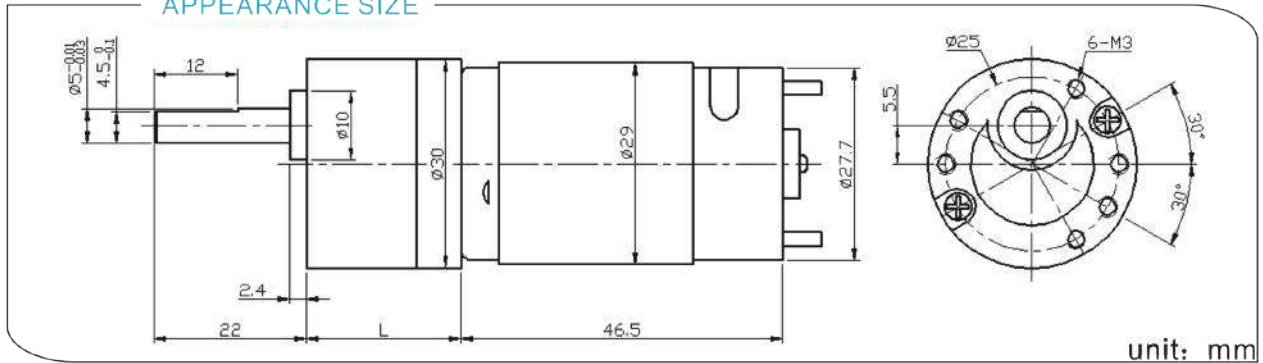
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	4	5	6	7	8
减速比 Reduction Ratio i	37	88、114、131	206、265、305 341、392、450	619、711、796 914、1049、1548	1857、2132 2387、2447
齿轮箱长度 Gearbox Length L (mm)	22.2	24.8	27.4	30	32.6
破坏扭力 Breaking Torque(kgf.cm)	10	12	16	20	20
齿轮箱效率 Gearbox Efficiency η	65%	59%	53%	48%	43%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-395-012-3000	12	≤60	3000	≤250	2200	65	1.5	≥110	≥360
DM-395-012-4500	12	≤90	4500	≤430	3300	80	2.7	≥210	≥960
DM-395-012-6000	12	≤130	6000	≤750	4800	100	4.9	≥280	≥1600
DM-395-024-3000	24	≤40	3000	≤120	2200	65	1.5	≥110	≥160
DM-395-024-4500	24	≤60	4500	≤220	3300	80	2.7	≥180	≥380

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-30RS395-0123000-88K	12	0.05	34.3	0.2	27.5	2.8	0.78	13.9	0.83
DM-30RS395-0126500-37K	12	0.23	172.2	0.87	133.7	3.3	4.47	14.5	3.1
DM-30RS395-01212000-20K	12	0.34	595.8	1.56	494.9	1.7	8.53	9.9	7.54
DM-30RS395-0246000-88K	24	0.11	68.4	0.41	54.3	6.4	3.54	30.8	1.59
DM-30RS395-02411000-37K	24	0.18	303.8	0.95	245.4	3.8	9.63	19.9	4.16

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

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We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>mi</sub>)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-32RS385

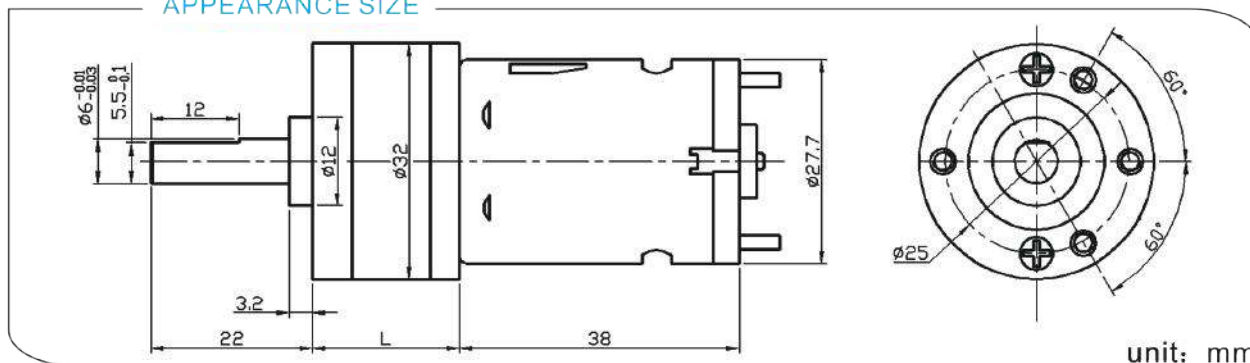
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减速比 Reduction Ratio i	5.75	13、15	28、32、38	61、71、83、96	135、156、182、211、245	296、344、400、464、540、627
齿轮箱长度 Gearbox Length L (mm)	17.5	20	22.5	25	27.5	30
破坏扭力 Breaking Torque(kgf.cm)	8	10	15	20	20	24
齿轮箱效率 Gearbox Efficiency $\eta$	81%	73%	65%	48%	43%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-385-012-3000	12	≤60	3000	≤150	2200	35	0.8	≥110	≥360
DM-385-012-4500	12	≤70	4500	≤300	3300	55	1.9	≥210	≥960
DM-385-012-6000	12	≤100	6000	≤600	4500	80	3.7	≥280	≥1600
DM-385-024-3000	24	≤28	3000	≤70	2200	35	0.8	≥110	≥160
DM-385-024-4500	24	≤50	4500	≤150	3300	55	1.9	≥180	≥380

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-32RS385-3.617000-5.75K	3.6	1.3	2415.4	4.57	1809.7	0.27	5.03	1.1	14.36
DM-32RS385-0129000-82K	12	0.24	112.6	0.89	90.4	2.8	2.59	14.0	3.56
DM-32RS385-0244500-400K	24	0.07	9.9	0.19	6.8	11.0	0.82	38.0	0.45

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_{mi}$ )

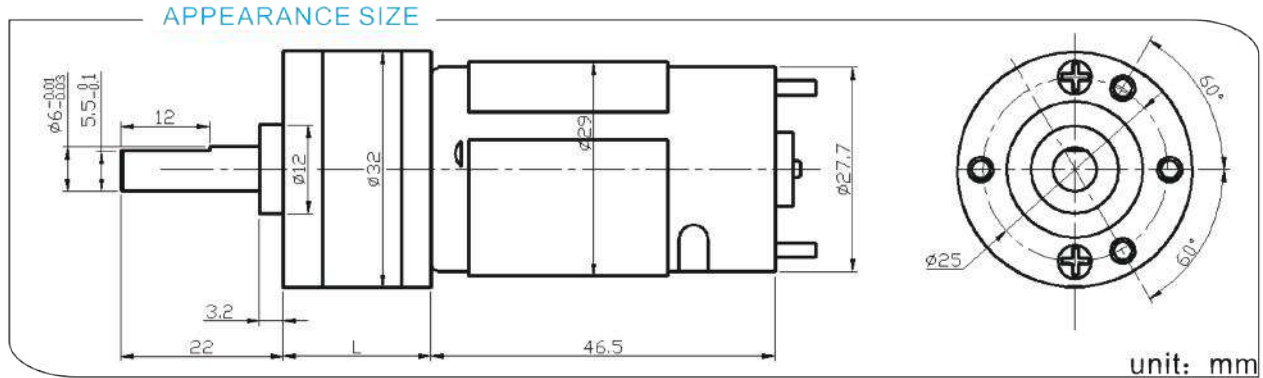
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_{mi}*\eta$ )

## DC SPUR GEAR MOTOR DM-32RS395

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减速比 Reduction Ratio i	5.75	13、15	28、32、38	61、71、83、96	135、156、182、211、245	296、344、400、464、540、627
齿轮箱长度 Gearbox Length L (mm)	17.5	20	22.5	25	27.5	30
破坏扭力 Breaking Torque(kgf.cm)	8	10	15	20	20	24
齿轮箱效率 Gearbox Efficiency η	81%	73%	65%	48%	43%	48%

电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-395-012-3000	12	≤60	3000	≤250	2200	65	1.5	≥110	≥360
DM-395-012-4500	12	≤90	4500	≤430	3300	80	2.7	≥210	≥960
DM-395-012-6000	12	≤130	6000	≤750	4800	100	4.9	≥280	≥1600
DM-395-024-3000	24	≤40	3000	≤120	2200	65	1.5	≥110	≥160
DM-395-024-4500	24	≤60	4500	≤220	3300	80	2.7	≥180	≥380

减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-32RS395-0125800-61K	12	0.24	92.9	0.92	73.3	5.0	3.89	24.0	3.47
DM-32RS395-0126000-32K	12	0.14	170.2	0.58	136.2	1.9	2.66	9.5	2.37
DM-32RS395-0126000-296K	12	0.18	19.5	0.74	15.2	15.2	2.37	68.0	2.73
DM-32RS395-0128000-71K	12	0.19	108.2	1.18	75.6	6.3	4.88	20.0	3.45
DM-32RS395-0128000-156K	12	0.37	48.5	1.1	37.0	8.1	3.1	34.5	3.45

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-33RS385

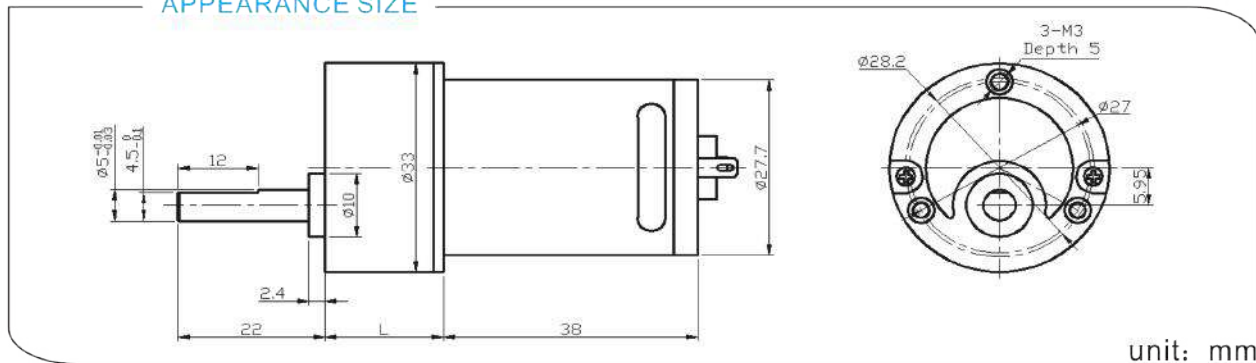
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7
减速比 Reduction Ratio i	20	50	125	312.5	781
齿轮箱长度 Gearbox Length L (mm)	17.7	19.9	22.2	24.4	26.75
破坏扭力 Breaking Torque(kgf.cm)	10	15	20	24	24
齿轮箱效率 Gearbox Efficiency $\eta$	73%	65%	59%	53%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-385-012-3000	12	≤60	3000	≤150	2200	35	0.8	≥110	≥360
DM-385-012-4500	12	≤70	4500	≤300	3300	55	1.9	≥210	≥960
DM-385-012-6000	12	≤100	6000	≤600	4500	80	3.7	≥280	≥1600
DM-385-024-3000	24	≤28	3000	≤70	2200	35	0.8	≥110	≥160
DM-385-024-4500	24	≤50	4500	≤150	3300	55	1.9	≥180	≥380

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-33RS385-0124500-312.5K	12	0.07	15.1	0.21	11.4	6.0	0.75	26.0	0.64
DM-33RS385-01217500-50K	12	0.41	350.2	2.01	288	3.6	10.78	20.5	9.44
DM-33RS385-0246000-125K	24	0.07	46.7	0.24	37.4	5.5	2.11	27.4	0.93
DM-33RS385-0246000-312.5K	24	0.05	19.6	0.16	15.3	8.0	1.33	38.0	0.59
DM-33RS385-0247400-312.5K	24	0.07	23.3	0.29	19.6	11.1	2.24	50.0	1.5

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

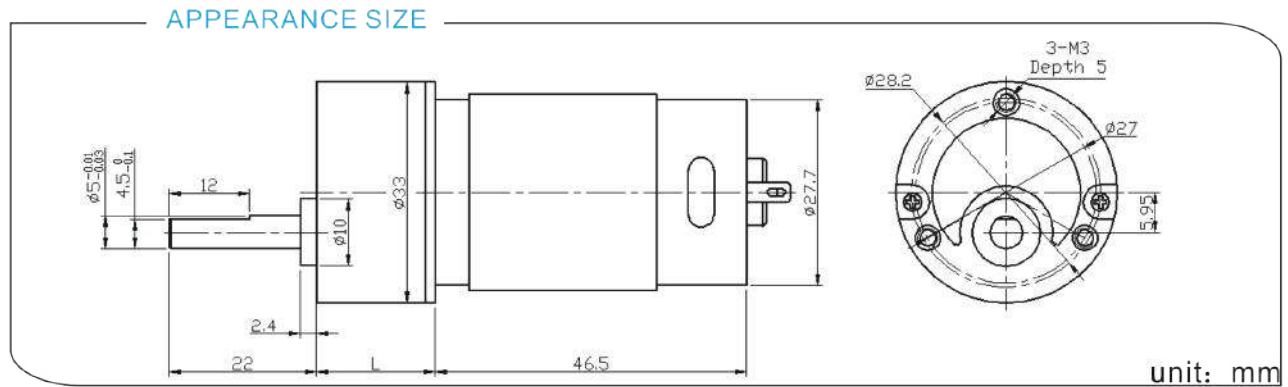
减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-33RS395

典型应用/Typical applications :  
自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7
减数比 Reduction Ratio i	20	50	125	312.5	781
齿轮箱长度 Gearbox Length L (mm)	17.7	19.9	22.2	24.4	26.75
破坏扭力 Breaking Torque(kgf.cm)	10	15	20	24	24
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%	53%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
DM-395-012-3000	12	≤60	3000	≤250	2200	65	1.5	≥110	≥360
DM-395-012-4500	12	≤90	4500	≤430	3300	80	2.7	≥210	≥960
DM-395-012-6000	12	≤130	6000	≤750	4800	100	4.9	≥280	≥1600
DM-395-024-3000	24	≤40	3000	≤120	2200	65	1.5	≥110	≥160
DM-395-024-4500	24	≤60	4500	≤220	3300	80	2.7	≥180	≥380

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
DM-33RS395-0124500-174K	12	0.09	26.8	0.46	21.9	8.5	1.91	46.2	2.11
DM-33RS395-0127600-90K	12	0.17	85.7	0.8	70.0	5.0	4.1	31.0	3.6
DM-33RS395-0246000-312.5K	24	0.08	20.4	0.38	16.5	16.9	2.86	88.0	1.66

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-33RS520

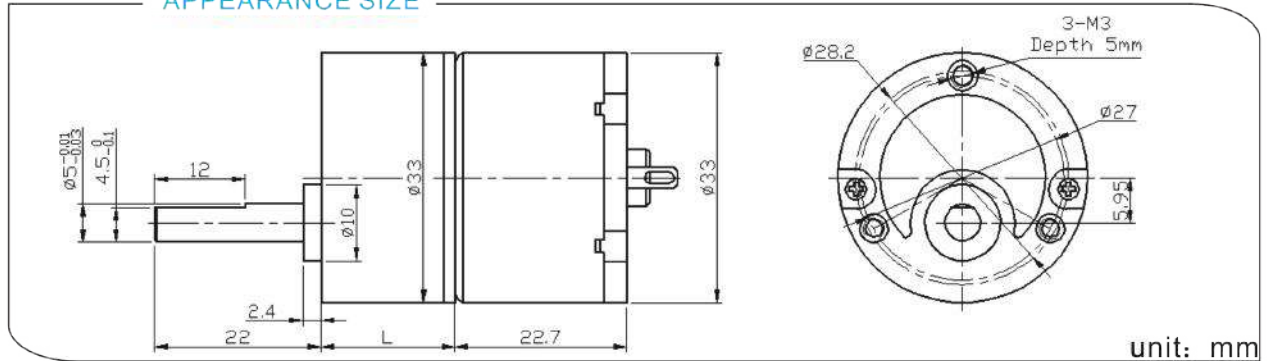
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7
减数比 Reduction Ratio i	20	50	125	312.5	781
齿轮箱长度 Gearbox Length L (mm)	17.7	19.9	22.2	24.4	26.75
破坏扭力 Breaking Torque(kgf.cm)	10	15	20	24	24
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%	53%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt. V	Current mA	Speed r/min	Current mA	Speed r/min	Torque gf.cm	P.out W	Torque gf.cm	Current mA
DM-520-012-3000	12	≤20	3000	≤110	2200	25	0.6	≥100	≥400
DM-520-012-4500	12	≤30	4500	≤150	3300	35	1.2	≥140	≥850
DM-520-012-6000	12	≤40	6000	≤400	4500	45	2.1	≥180	≥1400
DM-520-024-3000	24	≤15	3000	≤60	2200	25	0.6	≥100	≥200
DM-520-024-4500	24	≤20	4500	≤80	3300	35	1.2	≥140	≥420

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-33RS520-3.77000-312.5K	3.7	0.15	21.4	0.74	17.3	3.8	0.67	19.7	3.2
DM-33RS520-4.53500-50K	4.5	0.06	68.2	0.23	53.1	0.7	0.39	3.0	0.84
DM-33RS520-0126000-125K	12	0.05	47.7	0.25	39.0	2.8	1.13	15.0	1.17

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-33RS528

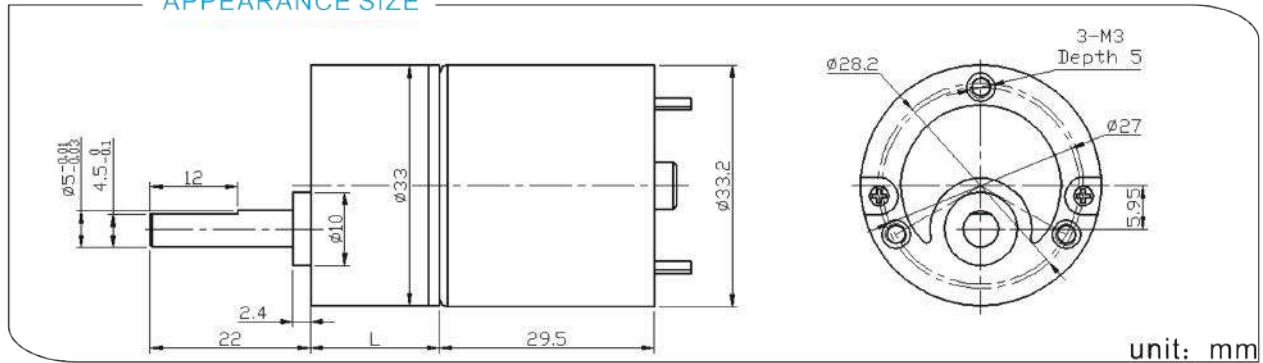
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7
减数比 Reduction Ratio i	20	50	125	312.5	781
齿轮箱长度 Gearbox Length L (mm)	17.7	19.9	22.2	24.4	26.75
破坏扭力 Breaking Torque(kgf.cm)	10	15	20	24	24
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%	53%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-528-012-3000	12	≤40	3000	≤180	2200	40	0.9	≥160	≥720
DM-528-012-4500	12	≤60	4500	≤350	3300	60	2.0	≥210	≥1400
DM-528-012-6000	12	≤70	6000	≤720	4500	80	3.7	≥300	≥2800
DM-528-024-3000	24	≤15	3000	≤80	2200	40	0.9	≥140	≥320
DM-528-024-4500	24	≤25	4500	≤180	3300	60	2.0	≥210	≥730

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-33RS528-0124500-20K	12	0.06	210.2	0.22	173.2	0.6	1.09	3.0	1.01
DM-33RS528-0244000-312.5K	24	0.03	13.1	0.08	9.9	4.7	0.48	19.0	0.27

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-33RS3525

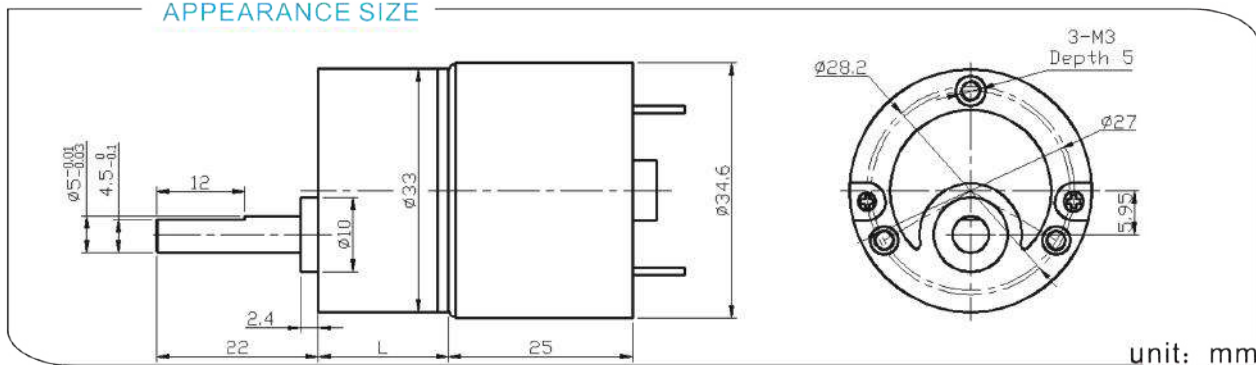
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7
减数比 Reduction Ratio i	20	50	125	312.5	781
齿轮箱长度 Gearbox Length L (mm)	17.7	19.9	22.2	24.4	26.75
破坏扭力 Breaking Torque(kgf.cm)	10	15	20	24	24
齿轮箱效率 Gearbox Efficiency $\eta$	73%	65%	59%	53%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3525-012-3000	12	≤40	3000	≤170	2200	25	0.6	≥120	≥600
DM-3525-012-4500	12	≤60	4500	≤250	3300	35	1.2	≥180	≥900
DM-3525-012-6000	12	≤100	6000	≤450	4500	45	2.1	≥200	≥1300
DM-3525-024-3000	24	≤25	3000	≤80	2200	25	0.6	≥100	≥300
DM-3525-024-4500	24	≤30	4500	≤130	3300	35	1.2	≥180	≥450

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-33RS3525-0124500-312.5K	12	0.03	14.5	0.20	12.0	6.0	0.74	34.5	0.96
DM-33RS3525-0245500-781K	24	0.03	6.6	0.11	5.1	11.3	0.60	52.0	0.38
DM-33RS3525-0247000-174K	24	0.04	40.5	0.2	33.7	4.8	1.68	28.8	1.01

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_{mi}$ )

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )



## DC SPUR GEAR MOTOR DM-33RS3530

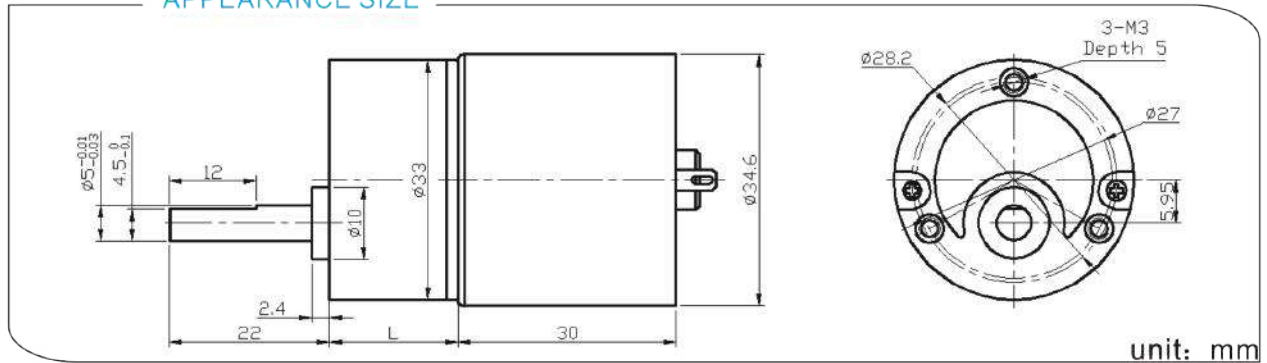
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7
减数比 Reduction Ratio i	20	50	125	312.5	781
齿轮箱长度 Gearbox Length L (mm)	17.7	19.9	22.2	24.4	26.75
破坏扭力 Breaking Torque(kgf.cm)	10	15	20	24	24
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%	53%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3530-012-3000	12	≤40	3000	≤240	2200	40	0.9	≥160	≥700
DM-3530-012-4500	12	≤60	4500	≤450	3300	50	1.7	≥300	≥1400
DM-3530-012-6000	12	≤90	6000	≤700	4500	60	2.8	≥350	≥2000
DM-3530-024-3000	24	≤20	3000	≤150	2200	40	0.9	≥160	≥400
DM-3530-024-4500	24	≤30	4500	≤230	3300	50	1.7	≥220	≥600

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-33RS3530-0067500-125K	6	0.22	54.2	1.22	45.6	5.8	2.72	36.6	6.51
DM-33RS3530-0124500-312.5K	12	0.03	14.6	0.14	12.4	5.0	0.66	34.9	0.81
DM-33RS3530-0126000-312.5K	12	0.07	19.1	0.43	19.1	9.9	1.65	67.1	2.54

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n/mi)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=tm\*i\*η)

## DC SPUR GEAR MOTOR DM-33RS3540

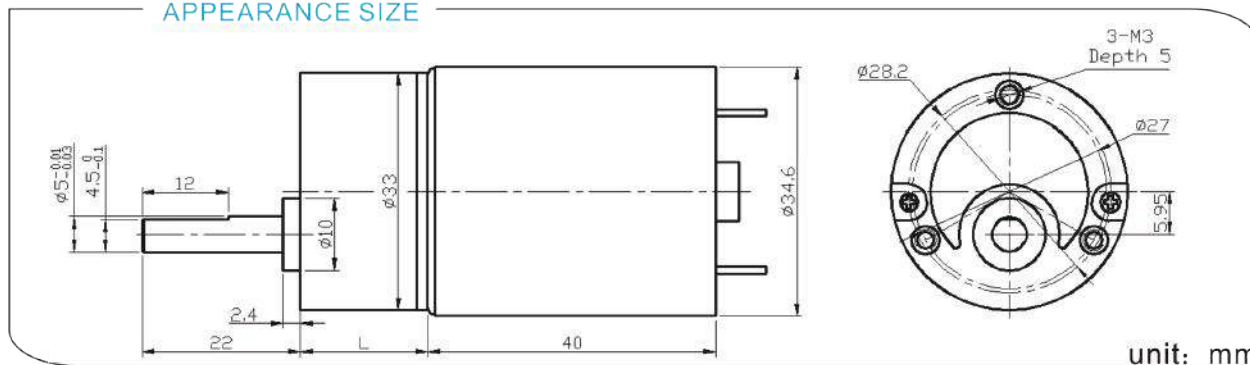
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5	6	7
减数比 Reduction Ratio i	20	50	125	312.5	781
齿轮箱长度 Gearbox Length L (mm)	17.7	19.9	22.2	24.4	26.75
破坏扭力 Breaking Torque(kgf.cm)	10	15	20	24	24
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%	53%	48%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3540-012-3000	12	≤50	3000	≤300	2200	60	1.4	≥240	≥800
DM-3540-012-4500	12	≤70	4500	≤500	3300	70	2.4	≥500	≥2000
DM-3540-012-6000	12	≤100	6000	≤700	4500	80	3.7	≥600	≥2500
DM-3540-024-3000	24	≤25	3000	≤150	2200	60	1.4	≥220	≥500
DM-3540-024-4500	24	≤35	4500	≤250	3300	70	2.4	≥240	≥800

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-33RS3540-0067500-90K	6	0.35	81.5	1.35	65.9	3.2	2.16	16.7	5.61
DM-33RS3540-0067500-125K	6	0.25	56.0	1.10	43.7	4.5	2.01	20.4	4.16
DM-33RS3540-0128000-50K	12	0.08	156.4	0.52	138.7	2.0	2.89	18.0	3.97

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-37RS385

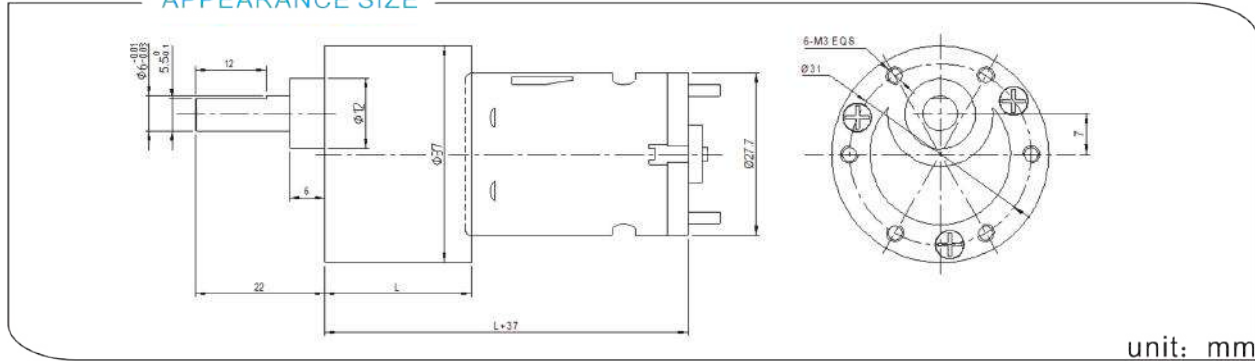
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减数比 Reduction Ratio i	6.8、10	20、30	61、90	107、122、 184、270	311、414、 552、810	1243 1657、2430
齿轮箱长度 Gearbox Length L (mm)	19	22.5	25	27.5	30	31.5
破坏扭力 Breaking Torque(kgf.cm)	8	10	30	30	40	40
齿轮箱效率 Gearbox Efficiency η	81%	72%	65%	59%	53%	47%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-385-012-3000	12	≤60	3000	≤150	2200	35	0.8	≥110	≥360
DM-385-012-4500	12	≤70	4500	≤300	3300	55	1.9	≥210	≥960
DM-385-012-6000	12	≤100	6000	≤600	4500	80	3.7	≥280	≥1600
DM-385-024-3000	24	≤28	3000	≤70	2200	35	0.8	≥110	≥160
DM-385-024-4500	24	≤50	4500	≤150	3300	55	1.9	≥180	≥380

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-37RS385-0126000-61K	12	0.20	94.8	0.66	70.2	3.2	2.36	12.6	1.96
DM-37RS385-0128000-534K	12	0.20	14.9	0.71	11.5	21.8	2.57	96.0	2.49
DM-37RS385-0243000-61K	24	0.05	51.2	0.12	36.3	1.90	0.70	6.50	0.30
DM-37RS385-0243000-552K	24	0.03	5.50	0.09	4.50	14.0	0.65	73.0	0.37

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-37RS395

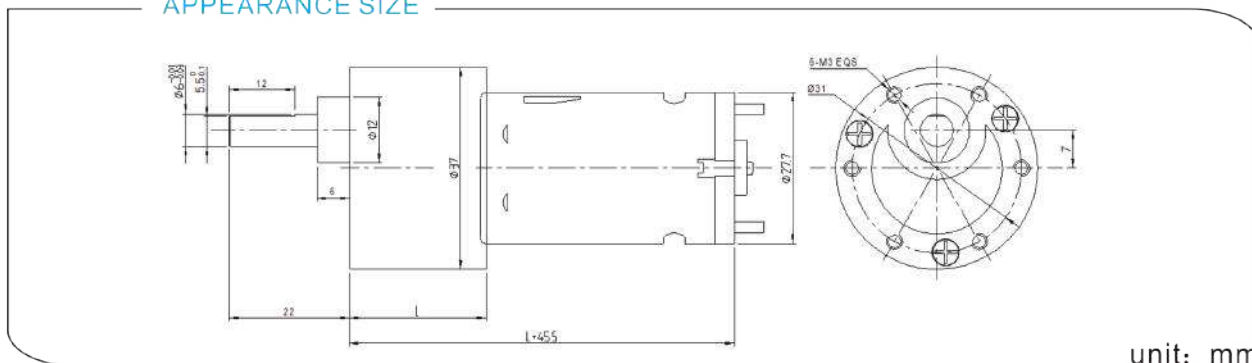
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减数比 Reduction Ratio i	6.8、10	20、30	61、90	107、122、 184、270	311、414、 552、810	1243 1657、2430
齿轮箱长度 Gearbox Length L (mm)	19	22.5	25	27.5	30	31.5
破坏扭力 Breaking Torque(kgf.cm)	8	10	30	30	40	40
齿轮箱效率 Gearbox Efficiency η	81%	72%	65%	59%	53%	47%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-395-012-3000	12	≤60	3000	≤250	2200	65	1.5	≥110	≥360
DM-395-012-4500	12	≤90	4500	≤430	3300	80	2.7	≥210	≥960
DM-395-012-6000	12	≤130	6000	≤750	4800	100	4.9	≥280	≥1600
DM-395-024-3000	24	≤40	3000	≤120	2200	65	1.5	≥110	≥160
DM-395-024-4500	24	≤60	4500	≤220	3300	80	2.7	≥180	≥380

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-37RS395-0126000-61K	12	0.21	99.8	0.78	78.5	4.70	3.80	22.00	2.91
DM-37RS395-0127400-10K	12	0.16	715.1	0.75	604.0	0.70	4.31	4.48	3.97
DM-37RS395-01210000-10K	12	0.21	993.8	1.31	854.9	0.94	8.25	6.73	8.05
DM-37RS395-0243000-61K	24	0.03	47.7	0.12	37.0	2.55	0.97	11.32	0.41
DM-37RS395-0243000-90K	24	0.03	33.7	0.12	26.8	3.00	0.92	16.00	0.41

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-37RS520

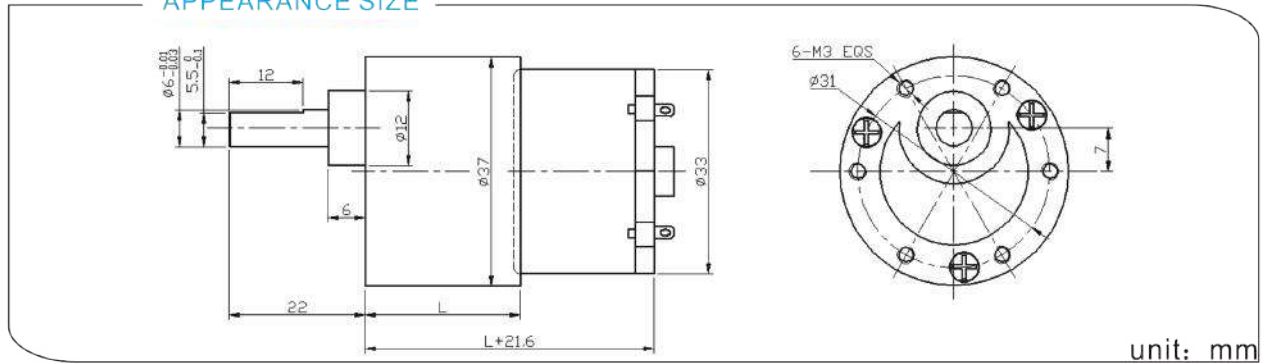
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减数比 Reduction Ratio i	6.8、10	20、30	61、90	107、122、 184、270	311、414、 552、810	1243 1657、2430
齿轮箱长度 Gearbox Length L (mm)	19	22.5	25	27.5	30	31.5
破坏扭力 Breaking Torque(kgf.cm)	8	10	30	30	40	40
齿轮箱效率 Gearbox Efficiency η	81%	72%	65%	59%	53%	47%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-520-012-3000	12	≤20	3000	≤110	2200	25	0.6	≥100	≥400
DM-520-012-4500	12	≤30	4500	≤150	3300	35	1.2	≥140	≥850
DM-520-012-6000	12	≤40	6000	≤400	4500	45	2.1	≥180	≥1400
DM-520-024-3000	24	≤15	3000	≤60	2200	25	0.6	≥100	≥200
DM-520-024-4500	24	≤20	4500	≤80	3300	35	1.2	≥140	≥420

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-37RS520-0063000-121K	6	0.06	24.2	0.23	18.4	2.12	0.4	8.9	0.76
DM-37RS520-0123000-270K	12	0.02	11.9	0.1	9.6	4.83	0.48	25.53	0.45
DM-37RS520-0123000-310K	12	0.02	10.1	0.1	8.0	5.1	0.42	24.28	0.39
DM-37RS520-0124500-184K	12	0.04	25.7	0.19	21.2	3.8	0.83	21.0	0.91
DM-37RS520-0124500-552K	12	0.04	8.3	0.16	6.9	9.79	0.69	55.97	0.76

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-37RS528

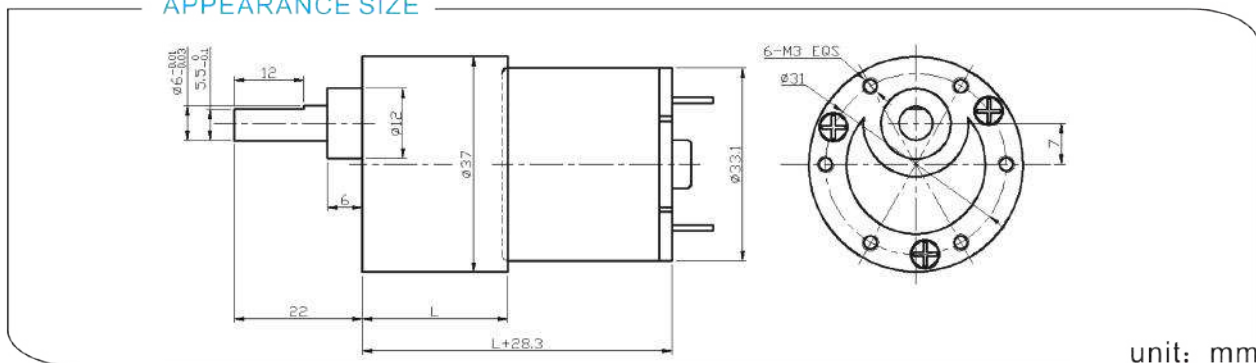
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减数比 Reduction Ratio i	6.8、10	20、30	61、90	107、122、 184、270	311、414、 552、810	1243 1657、2430
齿轮箱长度 Gearbox Length L (mm)	19	22.5	25	27.5	30	31.5
破坏扭力 Breaking Torque(kgf.cm)	8	10	30	30	40	40
齿轮箱效率 Gearbox Efficiency $\eta$	81%	72%	65%	59%	53%	47%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-528-012-3000	12	≤40	3000	≤180	2200	40	0.9	≥160	≥720
DM-528-012-4500	12	≤60	4500	≤350	3300	60	2.0	≥210	≥1400
DM-528-012-6000	12	≤70	6000	≤720	4500	80	3.7	≥300	≥2800
DM-528-024-3000	24	≤15	3000	≤80	2200	40	0.9	≥140	≥320
DM-528-024-4500	24	≤25	4500	≤180	3300	60	2.0	≥210	≥730

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-37RS528-0064500-270K	6	0.08	16.8	0.35	14.1	5.0	0.79	34.5	1.84
DM-37RS528-0067000-30K	6	0.22	230.4	0.97	191.8	1.2	2.39	7.3	4.66
DM-37RS528-0068000-61K	6	0.22	133.6	1.03	110.2	2.5	2.78	14.0	4.91
DM-37RS528-0123000-810K	12	0.05	3.4	0.15	2.5	18.8	0.49	71.2	0.42
DM-37RS528-0126000-30K	12	0.07	190.9	0.29	158.8	0.9	1.44	5.3	1.42

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )

## DC SPUR GEAR MOTOR DM-37RS3525

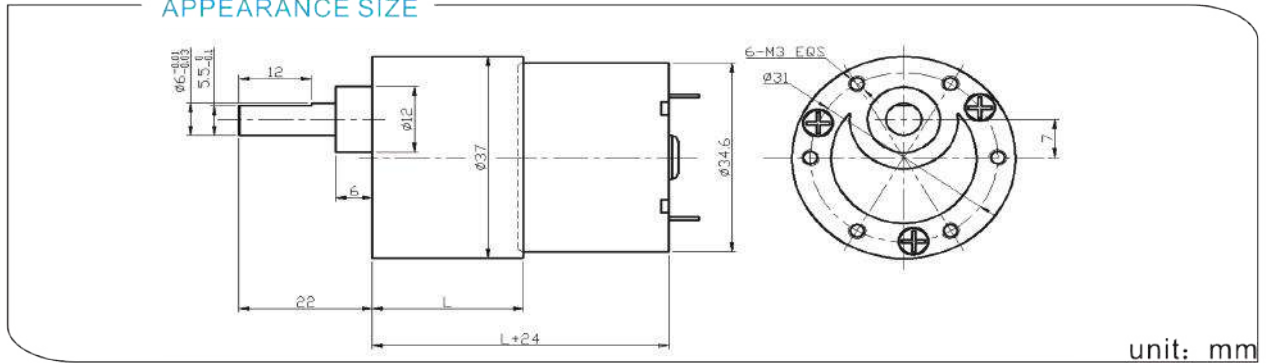
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减数比 Reduction Ratio i	6.8、10	20、30	61、90	107、122、 184、270	311、414、 552、810	1243 1657、2430
齿轮箱长度 Gearbox Length L (mm)	19	22.5	25	27.5	30	31.5
破坏扭力 Breaking Torque(kgf.cm)	8	10	30	30	40	40
齿轮箱效率 Gearbox Efficiency η	81%	72%	65%	59%	53%	47%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3525-012-3000	12	≤40	3000	≤170	2200	25	0.6	≥120	≥600
DM-3525-012-4500	12	≤60	4500	≤250	3300	35	1.2	≥180	≥900
DM-3525-012-6000	12	≤100	6000	≤450	4500	45	2.1	≥200	≥1300
DM-3525-024-3000	24	≤25	3000	≤80	2200	25	0.6	≥100	≥300
DM-3525-024-4500	24	≤30	4500	≤130	3300	35	2.1	≥180	≥450

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-37RS3525-0063000-810K	6	0.09	3.6	0.21	2.3	9.5	0.23	27.8	0.43
DM-37RS3525-0068000-534K	6	0.27	15.2	1.0	11.8	14.0	1.7	62.4	3.54
DM-37RS3525-0126000-61K	12	0.03	92.3	0.22	77.2	1.4	1.17	9.0	1.18
DM-37RS3525-0126000-90K	12	0.04	64.6	0.23	54.0	2.2	1.25	13.6	1.17
DM-37RS3525-0129000-534K	12	0.06	16.2	0.48	13.8	14.0	1.98	94.7	2.91

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-37RS3530

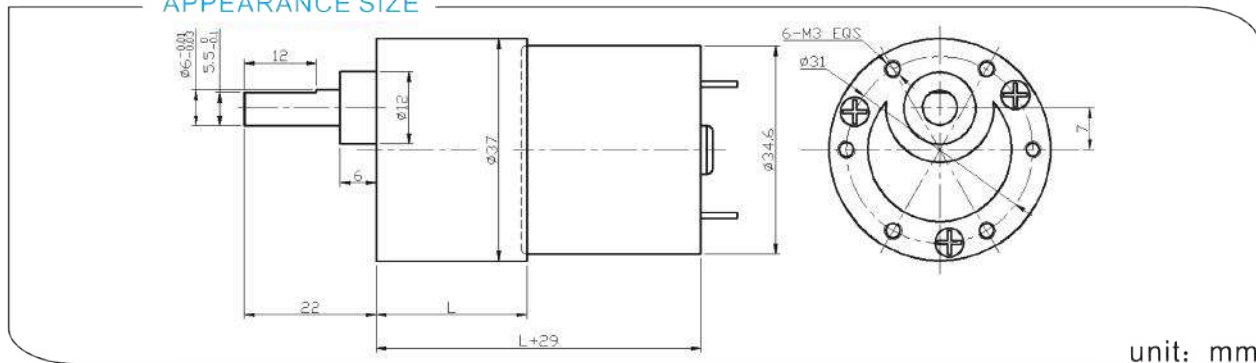
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减数比 Reduction Ratio i	6.8、10	20、30	61、90	107、122、 184、270	311、414、 552、810	1243 1657、2430
齿轮箱长度 Gearbox Length L (mm)	19	22.5	25	27.5	30	31.5
破坏扭力 Breaking Torque(kgf.cm)	8	10	30	30	40	40
齿轮箱效率 Gearbox Efficiency η	81%	72%	65%	59%	53%	47%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3530-012-3000	12	≤40	3000	≤240	2200	40	0.9	≥160	≥700
DM-3530-012-4500	12	≤60	4500	≤450	3300	50	1.7	≥300	≥1400
DM-3530-012-6000	12	≤90	6000	≤700	4500	60	2.8	≥350	≥2000
DM-3530-024-3000	24	≤20	3000	≤150	2200	40	0.9	≥160	≥400
DM-3530-024-4500	24	≤30	4500	≤230	3300	50	1.7	≥220	≥600

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-37RS3530-0068000-61K	6	0.19	126	0.78	103.7	1.5	1.6	8.5	3.54
DM-37RS3530-0123000-270K	12	0.03	10.1	0.14	8.5	6.8	0.6	41.6	0.73
DM-37RS3530-0123000-310K	12	0.04	8.7	0.14	6.9	7.6	0.54	35.9	0.52
DM-37RS3530-0123000-61K	12	0.02	44.3	0.1	36.5	1.3	0.49	7.4	0.47
DM-37RS3530-0246000-30K	24	0.08	200	0.38	147.9	1.7	2.6	6.7	0.84

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

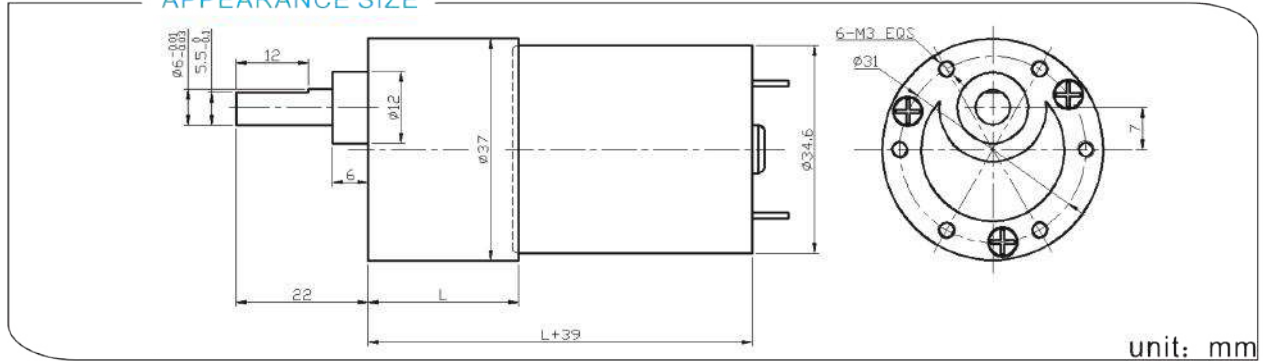


## DC SPUR GEAR MOTOR DM-37RS3540

典型应用/Typical applications :  
 自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
 办公设备、家用电器、自动执行机构  
 Auto shutter, binding machine, automatic TV rack, money counter,  
 spotlight, tissue machine, office equipments, household appliances,  
 automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减数比 Reduction Ratio i	6.8、10	20、30	61、90	107、122、 184、270	311、414、 552、810	1243 1657、2430
齿轮箱长度 Gearbox Length L (mm)	19	22.5	25	27.5	30	31.5
破坏扭力 Breaking Torque(kgf.cm)	8	10	30	30	40	40
齿轮箱效率 Gearbox Efficiency η	81%	72%	65%	59%	53%	47%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3540-012-3000	12	≤50	3000	≤300	2200	60	1.4	≥240	≥800
DM-3540-012-4500	12	≤70	4500	≤500	3300	70	2.4	≥500	≥2000
DM-3540-012-6000	12	≤100	6000	≤700	4500	80	3.7	≥600	≥2500
DM-3540-024-3000	24	≤25	3000	≤150	2200	60	1.4	≥220	≥500
DM-3540-024-4500	24	≤35	4500	≤250	3300	70	2.4	≥240	≥800

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-37RS3540-0066000-61K	6	0.13	92.0	0.65	74.1	1.9	1.49	10.1	2.84
DM-37RS3540-0067000-121K	6	0.17	55.3	0.62	43.3	2.6	1.19	12.4	2.25
DM-37RS3540-0068000-61K	6	0.26	130.9	1.35	107.4	3.0	3.39	17.2	6.35
DM-37RS3540-0123000-30K	12	0.03	100.4	0.13	84.3	0.9	0.84	6.0	0.68
DM-37RS3540-0123000-90K	12	0.04	32.7	0.16	27.1	2.7	0.76	16.0	0.73

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-37RS545

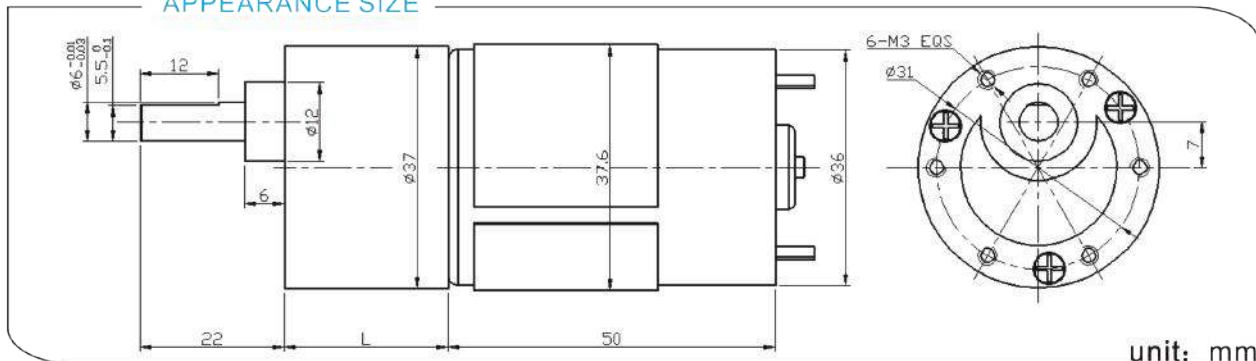
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减数比 Reduction Ratio i	6.8、10	20、30	61、90	107、122、 184、270	311、414、 552、810	1243 1657、2430
齿轮箱长度 Gearbox Length L (mm)	19	22.5	25	27.5	30	31.5
破坏扭力 Breaking Torque(kgf.cm)	8	10	30	30	40	40
齿轮箱效率 Gearbox Efficiency η	81%	72%	65%	59%	53%	47%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-545-012-3000	12	≤110	3000	≤450	2200	100	2.3	≥320	≥1440
DM-545-012-4500	12	≤220	4500	≤800	3300	150	5.1	≥480	≥2400
DM-545-012-6000	12	≤350	6000	≤1500	4500	200	9.2	≥640	≥4400
DM-545-024-3000	24	≤60	3000	≤230	2200	100	2.3	≥320	≥720
DM-545-024-4500	24	≤110	4500	≤400	3300	150	5.1	≥480	≥1200

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-37RS545-0123000-311K	12	0.11	9.9	0.31	7.5	12.2	0.94	50.8	0.96
DM-37RS545-0123400-90K	12	0.18	36.5	0.79	28.6	12.0	3.52	55.1	2.98
DM-37RS545-0124500-121K	12	0.23	37.1	0.95	28.7	16.0	4.85	72.0	3.42
DM-37RS545-0124500-61K	12	0.21	72.6	0.93	58.1	7.1	4.22	35.3	3.77
DM-37RS545-0244800-61K	24	0.23	78.6	0.67	58.0	6.7	4.0	23.1	1.31

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

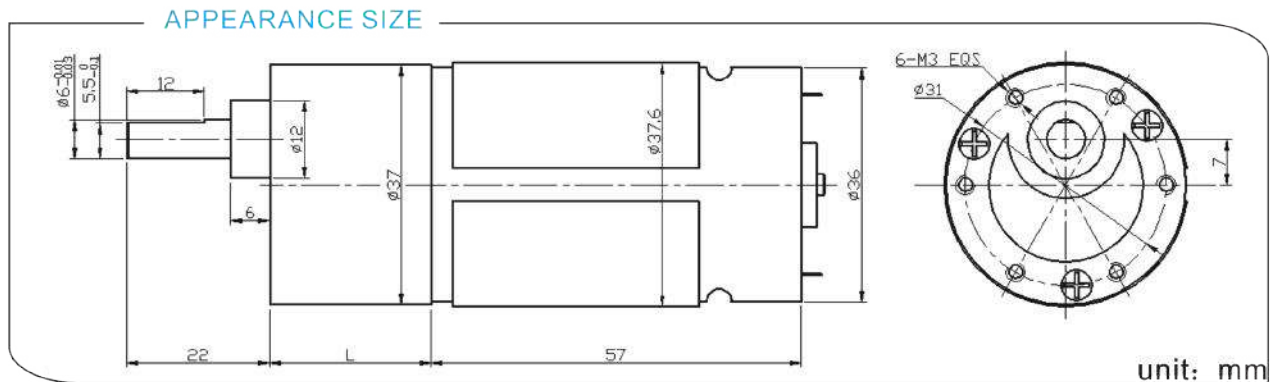
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-37RS555

### 典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5	6	7
减数比 Reduction Ratio i	6.8、10	20、30	61、90	107、122、 184、270	311、414、 552、810	1243 1657、2430
齿轮箱长度 Gearbox Length L (mm)	19	22.5	25	27.5	30	31.5
破坏扭力 Breaking Torque(kgf.cm)	8	10	30	30	40	40
齿轮箱效率 Gearbox Efficiency η	81%	72%	65%	59%	53%	47%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-555-012-3000	12	≤140	3000	≤800	2200	150	3.4	≥480	≥2400
DM-555-012-4500	12	≤220	4500	≤1200	3300	220	7.4	≥700	≥3840
DM-555-012-6000	12	≤350	6000	≤2000	4500	300	13.8	≥960	≥4800
DM-555-024-3000	24	≤70	3000	≤400	2200	150	3.4	≥480	≥1280
DM-555-024-4500	24	≤110	4500	≤600	3300	220	7.4	≥700	≥2400

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-37RS555-0066000-61K	6	0.54	95.1	1.99	74.0	5.4	4.13	24.4	7.1
DM-37RS555-0123000-178K	12	0.15	16.2	0.69	13.3	20.9	2.86	115.2	3.18
DM-37RS555-0123000-30K	12	0.13	94.5	0.58	78.6	4.3	3.51	25.8	2.78
DM-37RS555-0124500-61K	12	0.33	72.4	1.68	58.8	14.4	8.72	76.9	7.55
DM-37RS555-0246000-90K	24	0.35	66.6	1.76	53.4	23.9	13.12	104.8	4.54

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=nm/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

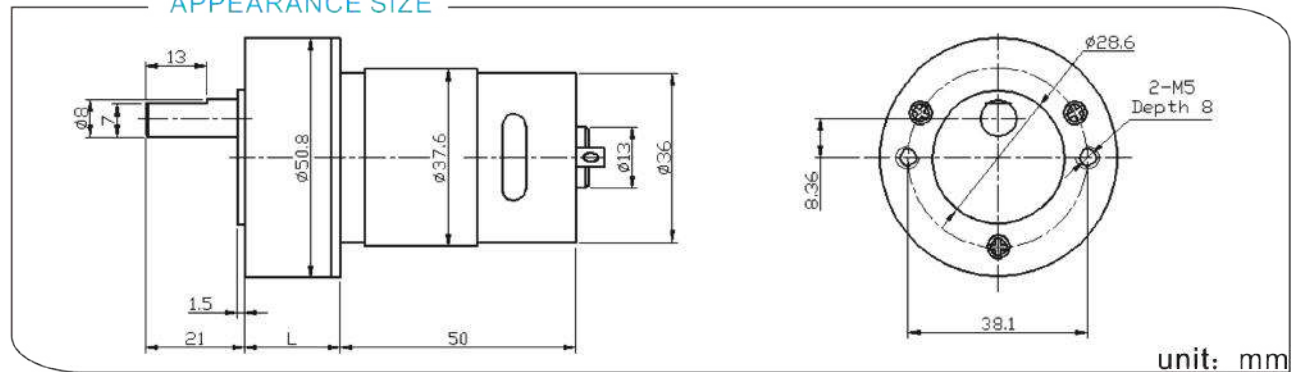
## DC SPUR GEAR MOTOR DM-50RS545

### 典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	2	3	4	5
减数比 Reduction Ratio i	9	21、25.5	50、60、72	118、142、170、205
齿轮箱长度 Gearbox Length L (mm)	21.9	26.4	30.9	35.4
破坏扭力 Breaking Torque(kgf.cm)	20	25	30	30
齿轮箱效率 Gearbox Efficiency η	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-545-012-3000	12	≤110	3000	≤450	2200	100	2.3	≥320	≥1440
DM-545-012-4500	12	≤220	4500	≤800	3300	150	5.1	≥480	≥2400
DM-545-012-6000	12	≤350	6000	≤1500	4500	200	9.2	≥640	≥4400
DM-545-024-3000	24	≤60	3000	≤230	2200	100	2.3	≥320	≥720
DM-545-024-4500	24	≤110	4500	≤400	3300	150	5.1	≥480	≥1200

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-50RS545-0123000-50K	12	0.19	56.4	0.53	41.8	4.0	1.93	17.0	1.52
DM-50RS545-0126000-118K	12	0.20	50.7	1.22	43.7	13.1	5.89	95.2	7.56
DM-50RS545-0128000-118K	12	0.68	65.0	2.92	51.0	24.8	13.03	115.5	11.07
DM-50RS545-0243000-50K	24	0.10	54.5	0.36	42.0	6.0	2.67	26.0	1.22
DM-50RS545-0248000-118K	24	0.23	67.9	1.31	55.7	22.2	12.71	123.4	6.22

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-65SS520

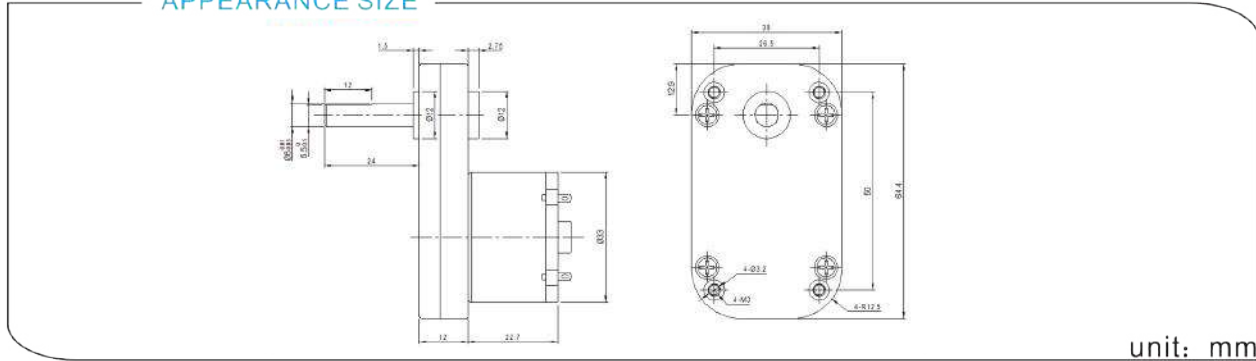
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5
减数比 Reduction Ratio i	40.5、67.5	135、152、225	450
齿轮箱长度 Gearbox Length L (mm)	12	12	12
破坏扭力 Breaking Torque(kgf.cm)	10	25	35
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-520-012-3000	12	≤20	3000	≤110	2200	25	0.6	≥100	≥400
DM-520-012-4500	12	≤30	4500	≤150	3300	35	1.2	≥140	≥850
DM-520-012-6000	12	≤40	6000	≤400	4500	45	2.1	≥180	≥1400
DM-520-024-3000	24	≤15	3000	≤60	2200	25	0.6	≥100	≥200
DM-520-024-4500	24	≤20	4500	≤80	3300	35	1.2	≥140	≥420

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-65SS520-00310000-40.5K	3	0.42	231.6	1.56	175.5	0.92	1.65	3.78	5.13
DM-65SS520-00310000-67.5K	3	0.73	131.7	2.11	94.3	2.02	1.95	7.1	5.58
DM-65SS520-0123500-225K	12	0.02	15.1	0.14	13.3	5.14	0.7	43.35	1.04
DM-65SS520-0124500-225K	12	0.05	19.8	0.22	16.5	6.96	1.18	41.35	1.03
DM-65SS520-0125500-450K	12	0.05	12.0	0.23	9.7	10.31	1.03	54.55	1.01

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-65SS3525

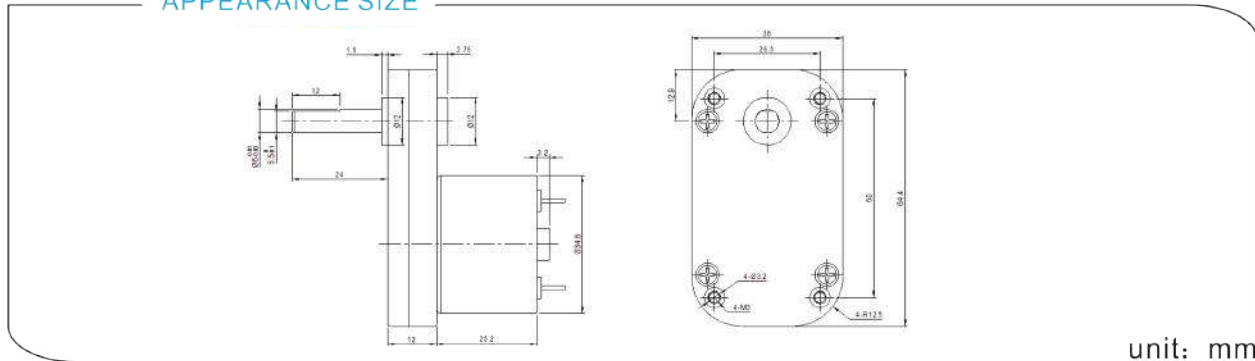
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5
减数比 Reduction Ratio i	40.5、67.5	135、152、225	450
齿轮箱长度 Gearbox Length L (mm)	12	12	12
破坏扭力 Breaking Torque(kgf.cm)	10	25	35
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3525-012-3000	12	≤40	3000	≤170	2200	25	0.6	≥120	≥600
DM-3525-012-4500	12	≤60	4500	≤250	3300	35	1.2	≥180	≥900
DM-3525-012-6000	12	≤100	6000	≤450	4500	45	2.1	≥200	≥1300
DM-3525-024-3000	24	≤25	3000	≤80	2200	25	0.6	≥100	≥300
DM-3525-024-4500	24	≤30	4500	≤130	3300	35	1.2	≥180	≥450

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-65SS3525-0034500-67.5K	3	0.21	63.4	0.8	48.3	1.6	0.81	6.9	2.67
DM-65SS3525-0124500-152K	12	0.08	28.0	0.32	21.7	5.0	1.11	22.2	1.12
DM-65SS3525-0125500-152K	12	0.09	35.9	0.34	29.4	5.0	1.5	27.1	1.45
DM-65SS3525-0126000-135K	12	0.05	44.8	0.34	37.6	3.8	1.46	23.5	1.8
DM-65SS3525-0127000-135K	12	0.08	51.4	0.42	41.8	5.0	2.16	26.9	1.88

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-65SS3530

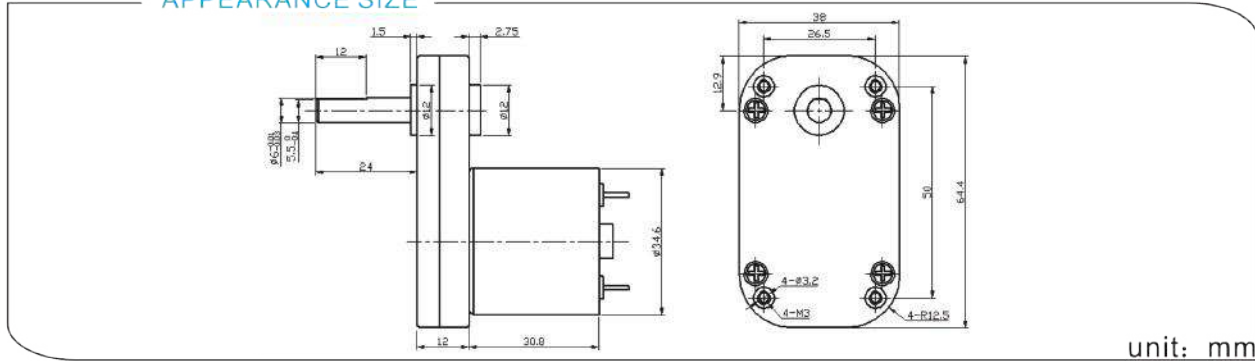
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5
减数比 Reduction Ratio i	40.5、67.5	135、152、225	450
齿轮箱长度 Gearbox Length L (mm)	12	12	12
破坏扭力 Breaking Torque(kgf.cm)	10	25	35
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque)	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3530-012-3000	12	≤40	3000	≤240	2200	40	0.9	≥160	≥700
DM-3530-012-4500	12	≤60	4500	≤450	3300	50	1.7	≥300	≥1400
DM-3530-012-6000	12	≤90	6000	≤700	4500	60	2.8	≥350	≥2000
DM-3530-024-3000	24	≤20	3000	≤150	2200	40	0.9	≥160	≥400
DM-3530-024-4500	24	≤30	4500	≤230	3300	50	1.7	≥220	≥600

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-65SS3530-0123000-135K	12	0.02	20.5	0.1	17.5	3.0	0.53	20.0	0.58
DM-65SS3530-0123000-125K	12	0.02	18.8	0.1	15.9	3.1	0.51	20.0	0.54
DM-65SS3530-0124500-135K	12	0.04	33.5	0.22	29	4.4	1.3	30.0	1.39
DM-65SS3530-0124500-152K	12	0.04	29.6	0.22	25.1	4.8	1.23	31.1	1.22
DM-65SS3530-0124500-225K	12	0.04	19.2	0.24	16.5	7.0	1.27	54.0	1.49

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

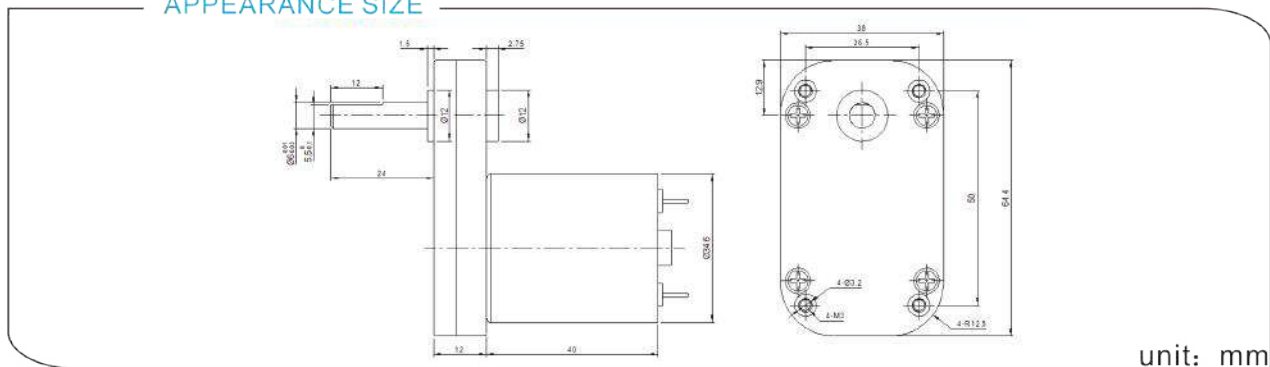
## DC SPUR GEAR MOTOR DM-65SS3540

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5
减数比 Reduction Ratio i	40.5、67.5	135、152、225	450
齿轮箱长度 Gearbox Length L (mm)	12	12	12
破坏扭力 Breaking Torque(kgf.cm)	10	25	35
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3540-012-3000	12	≤50	3000	≤300	2200	60	1.4	≥240	≥800
DM-3540-012-4500	12	≤70	4500	≤500	3300	70	2.4	≥500	≥2000
DM-3540-012-6000	12	≤100	6000	≤700	4500	80	3.7	≥600	≥2500
DM-3540-024-3000	24	≤25	3000	≤150	2200	60	1.4	≥220	≥500
DM-3540-024-4500	24	≤35	4500	≤250	3300	70	2.4	≥240	≥800

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-65SS3540-0066000-450K	6	0.26	14.0	1.02	10.8	19.0	2.12	83.0	3.58
DM-65SS3540-0128100-135K	12	0.15	57.7	0.66	46.8	6.6	3.18	35.0	2.81
DM-65SS3540-01210000-135K	12	0.19	71.9	1.0	59.5	8.0	4.87	46.1	4.88
DM-65SS3540-0247000-225K	24	0.04	30.7	0.22	25.4	9.0	2.39	53.0	1.06
DM-65SS3540-0249000-135K	24	0.09	63.3	0.45	51.9	10.3	5.53	57.6	2.12

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)



## DC SPUR GEAR MOTOR DM-70SS3525

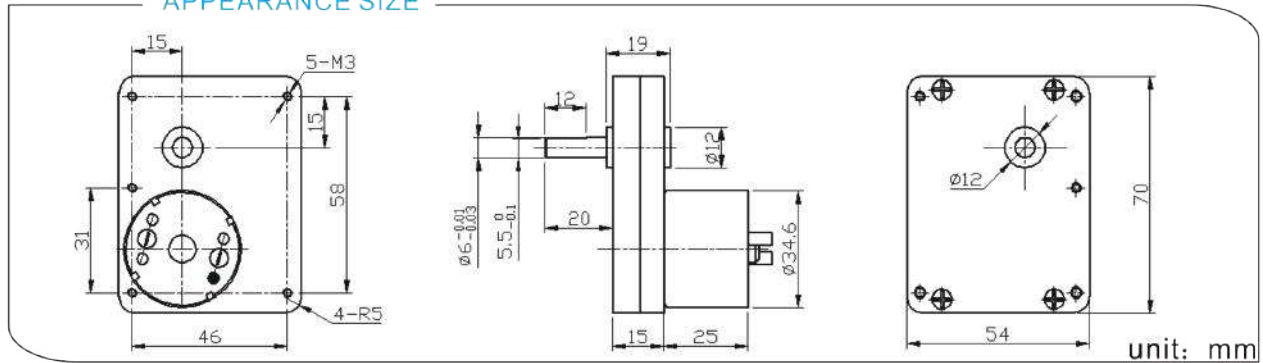
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5
减数比 Reduction Ratio i	54、73	217、293	564、763
齿轮箱长度 Gearbox Length L (mm)	15	15	15
破坏扭力 Breaking Torque(kgf.cm)	25	35	40
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3525-012-3000	12	≤40	3000	≤170	2200	25	0.6	≥120	≥600
DM-3525-012-4500	12	≤60	4500	≤250	3300	35	1.2	≥180	≥900
DM-3525-012-6000	12	≤100	6000	≤450	4500	45	2.1	≥200	≥1300
DM-3525-024-3000	24	≤25	3000	≤80	2200	25	0.6	≥100	≥300
DM-3525-024-4500	24	≤30	4500	≤130	3300	35	1.2	≥180	≥450

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (nm)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-70SS3525-0129500-564K	12	0.34	14.9	1.04	11.1	32.0	3.65	124.7	3.06
DM-70SS3525-01211000-217K	12	0.38	44.0	1.03	31.9	11.4	3.73	41.4	2.77
DM-70SS3525-0243000-763K	24	0.02	3.7	0.06	2.8	15.3	0.44	64.2	0.19

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

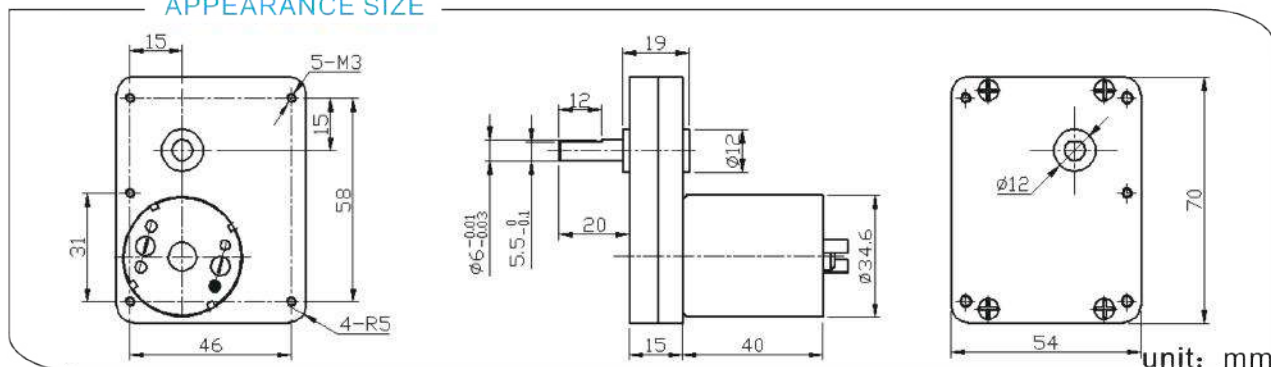
## DC SPUR GEAR MOTOR DM-70SS3540

### 典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5
减数比 Reduction Ratio i	54、73	217、293	564、763
齿轮箱长度 Gearbox Length L (mm)	15	15	15
破坏扭力 Breaking Torque(kgf.cm)	25	35	40
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-3540-012-3000	12	≤50	3000	≤300	2200	60	1.4	≥240	≥800
DM-3540-012-4500	12	≤70	4500	≤500	3300	70	2.4	≥500	≥2000
DM-3540-012-6000	12	≤100	6000	≤700	4500	80	3.7	≥600	≥2500
DM-3540-024-3000	24	≤25	3000	≤150	2200	60	1.4	≥220	≥500
DM-3540-024-4500	24	≤35	4500	≤250	3300	70	2.4	≥240	≥800

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-70SS3540-0064800-73K	6	0.16	66.1	0.84	53.4	3.9	2.16	20.5	3.65
DM-70SS3540-0125000-763K	12	0.15	6.4	0.46	5.1	34.2	1.78	160	1.67
DM-70SS3540-0129500-564K	12	0.37	14.8	1.3	11.2	45.0	5.28	187.1	4.36
DM-70SS3540-0243000-217K	24	0.02	12.7	0.09	10.2	8.5	0.89	43.6	0.39

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-95SS545

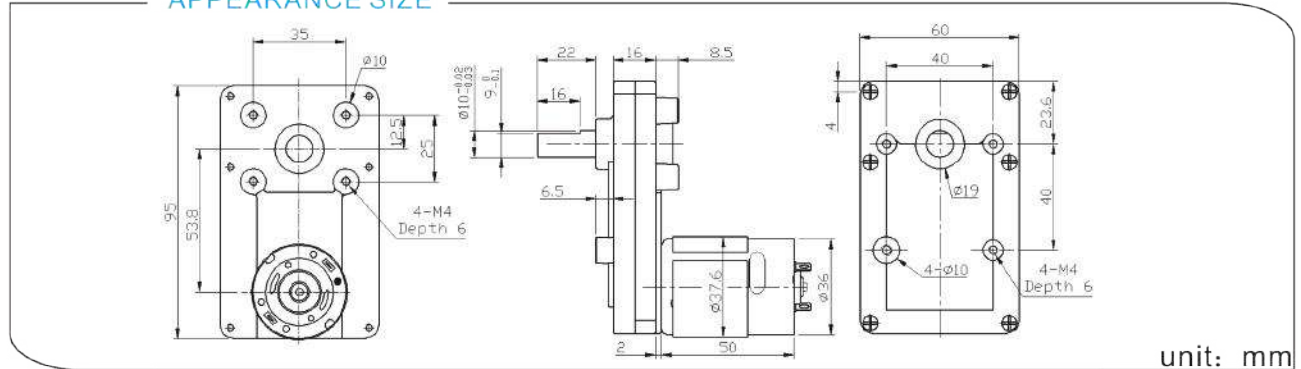
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5
减数比 Reduction Ratio i	94	394	1166
齿轮箱长度 Gearbox Length L (mm)	16	16	16
破坏扭力 Breaking Torque(kgf.cm)	15	60	120
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-545-012-3000	12	≤110	3000	≤450	2200	100	2.3	≥320	≥1440
DM-545-012-4500	12	≤220	4500	≤800	3300	150	5.1	≥480	≥2400
DM-545-012-6000	12	≤350	6000	≤1500	4500	200	9.2	≥640	≥4400
DM-545-024-3000	24	≤60	3000	≤230	2200	100	2.3	≥320	≥720
DM-545-024-4500	24	≤110	4500	≤400	3300	150	5.1	≥480	≥1200

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-95SS545-0066000-94K	6	0.68	62.0	2.88	48.9	14.7	7.38	69.5	11.09
DM-95SS545-0126000-94K	12	0.24	62.5	1.36	53.0	15.0	8.59	104.0	7.67
DM-95SS545-0244500-394K	24	0.11	11.3	0.48	9.1	52.0	4.93	270.0	2.04

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

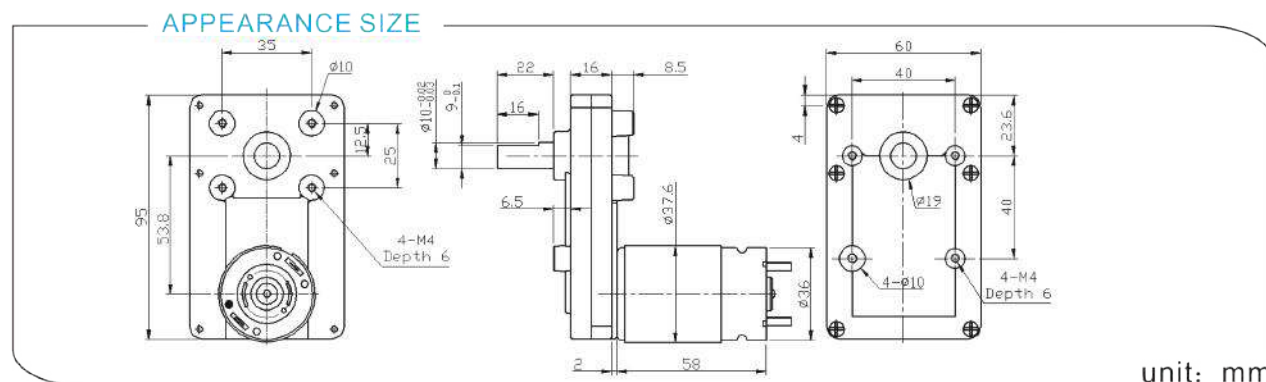
减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC SPUR GEAR MOTOR DM-95SS555

典型应用/Typical applications :  
自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4	5
减数比 Reduction Ratio i	94	394	1166
齿轮箱长度 Gearbox Length L (mm)	16	16	16
破坏扭力 Breaking Torque(kgf.cm)	15	60	120
齿轮箱效率 Gearbox Efficiency η	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-555-012-3000	12	≤140	3000	≤800	2200	150	3.4	≥480	≥2400
DM-555-012-4500	12	≤220	4500	≤1200	3300	220	7.4	≥700	≥3840
DM-555-012-6000	12	≤350	6000	≤2000	4500	300	13.8	≥960	≥4800
DM-555-024-3000	24	≤70	3000	≤400	2200	150	3.4	≥480	≥1280
DM-555-024-4500	24	≤110	4500	≤600	3300	220	7.4	≥700	≥2400

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-95SS555-0064250-394K	6	0.34	9.9	1.22	7.9	33.0	2.73	163.0	4.64
DM-95SS555-0126000-1166K	12	0.45	5.1	1.41	3.7	140.0	5.43	516 .0	4
DM-95SS555-0248100-94K	24	0.31	88.8	1.6	73.9	23.0	17.81	140.0	8.03

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=nm/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=tm\*i\*η)

## DC SPUR GEAR MOTOR DM-100SS555

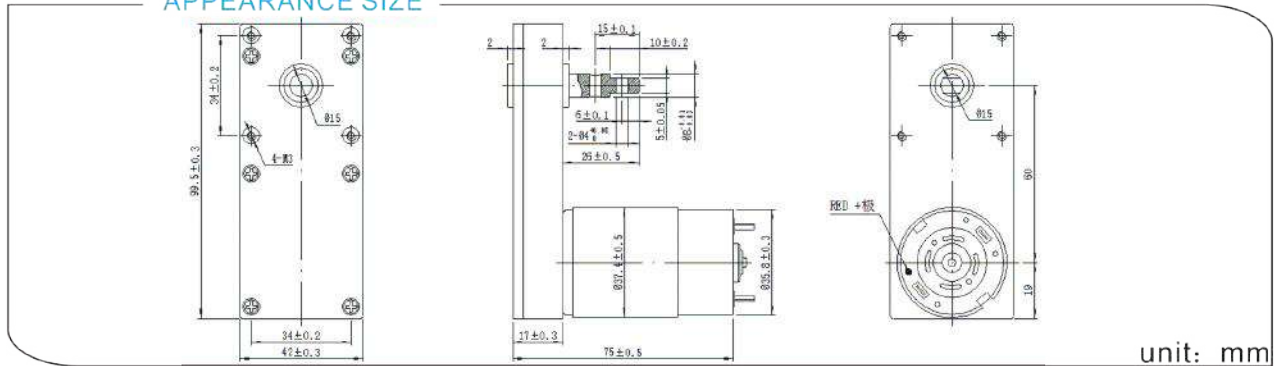
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	5
减数比 Reduction Ratio i	400
齿轮箱长度 Gearbox Length L (mm)	17
破坏扭力 Breaking Torque(kgf.cm)	120
齿轮箱效率 Gearbox Efficiency η	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-555-012-3000	12	≤140	3000	≤800	2200	150	3.4	≥480	≥2400
DM-555-012-4500	12	≤220	4500	≤1200	3300	220	7.4	≥700	≥3840
DM-555-012-6000	12	≤350	6000	≤2000	4500	300	13.8	≥960	≥4800
DM-555-024-3000	24	≤70	3000	≤400	2200	150	3.4	≥480	≥1280
DM-555-024-4500	24	≤110	4500	≤600	3300	220	7.4	≥700	≥2400

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-100SS555-0063000-400K	6	0.31	7.0	0.92	5.4	27.0	1.5	116.0	3.03
DM-100SS555-0064500-744K	6	0.21	6.0	1.01	5.0	43.3	2.24	280.0	5.45
DM-100SS555-0123000-400K	12	0.12	8.1	0.39	5.4	37.0	2.1	116.0	1.43
DM-100SS555-0244500-400K	24	0.2	11.1	0.84	8.6	77.6	6.86	348.0	3.1

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC PLANETARY GEAR MOTOR

### DM-16RP030 机加款 machining

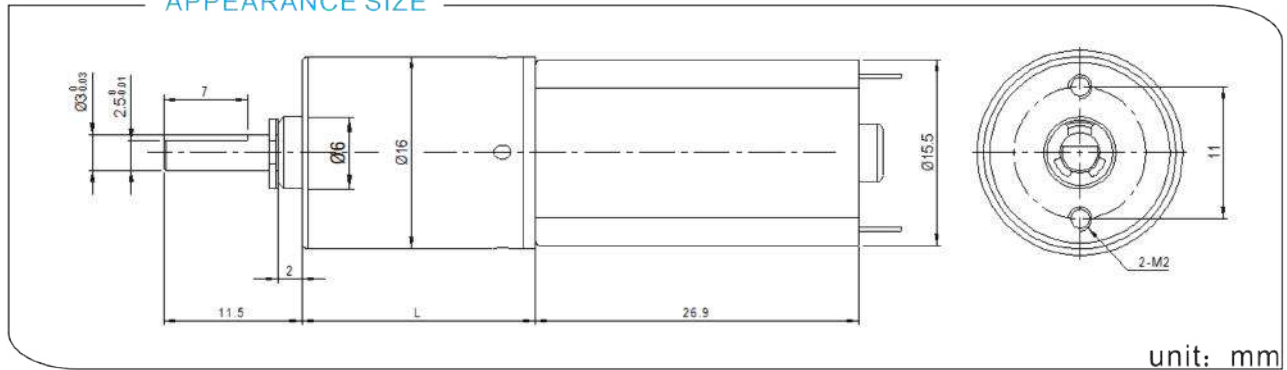
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	4、4.75	16、22.5	64、79、107	256、361、509	1024、2418
齿轮箱长度 Gearbox Length L (mm)	12.2	15.8	19.4	23	26.6
破坏扭力 Breaking Torque(kgf.cm)	2	3	4	5	5
齿轮箱效率 Gearbox Efficiency $\eta$	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
DM-030-003-8000	3	≤55	8000	≤250	6000	4	0.2	≥16	≥500
DM-030-003-15000	3	≤80	10500	≤300	7200	5	0.4	≥20	≥750
DM-030-006-8000	6	≤30	8000	≤120	5000	4	0.2	≥16	≥150
DM-030-006-10500	6	≤40	10500	≤160	7000	5	0.4	≥20	≥400

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
DM-16RP030-0039000-256K	3	0.12	31.9	0.29	22.2	0.8	0.18	2.6	0.7
DM-16RP030-00610400-509K	6	0.09	14.0	0.23	8.9	1.1	0.11	3.1	0.39
DM-16RP030-00610400-2418K	6	0.09	3.8	0.17	2.4	4.77	0.12	12.8	0.31
DM-16RP030-00615500-107K	6	0.19	133.6	0.57	100.2	1.07	1.1	4.3	1.71
DM-16RP030-01213000-304K	12	0.05	38.4	0.12	26.6	0.87	0.24	2.8	0.28

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )

## DC PLANETARY GEAR MOTOR

### DM-16RP030 粉末冶金 sintering

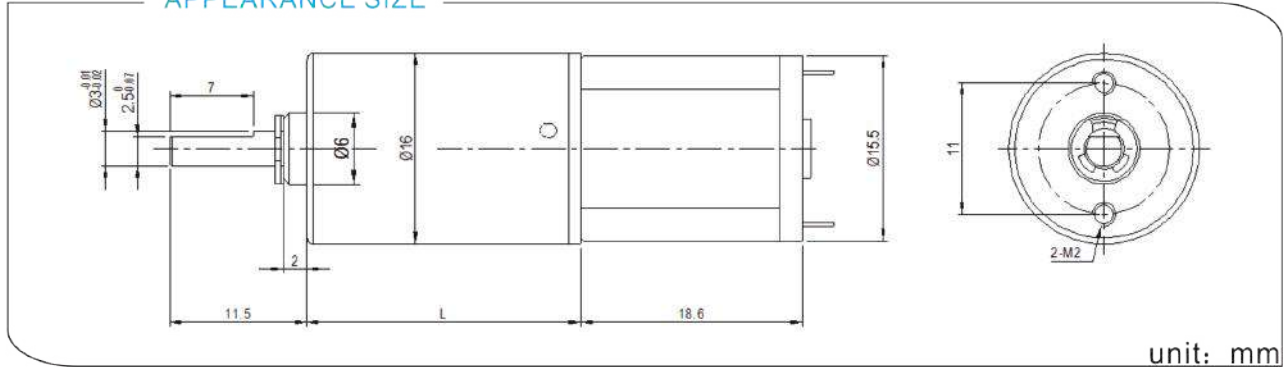
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	4、4.75	16、22.5	64、79、107	256、361、509	1024、2418
齿轮箱长度 Gearbox Length L (mm)	18.1	22.7	27.3	31.9	36.5
破坏扭力 Breaking Torque(kgf.cm)	2	3	4	5	5
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	率功	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
DM-030-003-8000	3	≤55	8000	≤250	6000	4	0.2	≥16	≥500
DM-030-003-15000	3	≤80	10500	≤300	7200	5	0.4	≥20	≥750
DM-030-006-8000	6	≤30	8000	≤120	5000	4	0.2	≥16	≥150
DM-030-006-10500	6	≤40	10500	≤160	7000	5	0.4	≥20	≥400

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	率功	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
DM-16RP030-0039000-256K	3	0.12	31.9	0.29	22.2	0.8	0.18	2.6	0.7
DM-16RP030-00610400-509K	6	0.09	14.0	0.23	8.9	1.1	0.11	3.1	0.39
DM-16RP030-00610400-2418K	6	0.09	3.8	0.17	2.4	4.77	0.12	12.8	0.31
DM-16RP030-00615500-107K	6	0.19	133.6	0.57	100.2	1.07	1.1	4.3	1.71
DM-16RP030-01213000-304K	12	0.05	38.4	0.12	26.6	0.87	0.24	2.8	0.28

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n/mi)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=tm\*i\*η)

## DC PLANETARY GEAR MOTOR

### DM-16RP050 机加款 machining

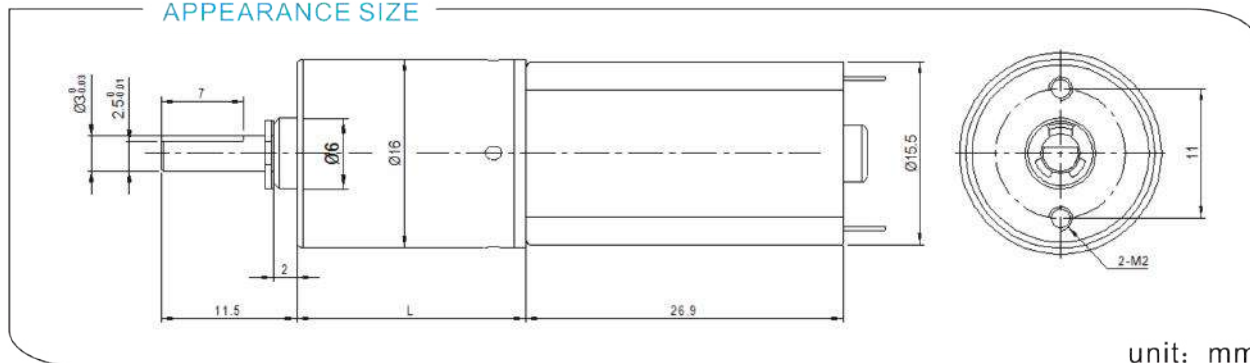
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	4、4.75	16、22.5	64、79、107	256、361、509	1024、2418
齿轮箱长度 Gearbox Length L (mm)	18.1	22.7	27.3	31.9	36.5
破坏扭力 Breaking Torque(kgf.cm)	2	3	4	5	5
齿轮箱效率 Gearbox Efficiency $\eta$	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-050-006-9000	6	≤60	9000	≤260	7500	8	0.6	≥30	≥550
DM-050-006-12000	6	≤70	12000	≤300	9300	10	1.0	≥40	≥1000
DM-050-012-9000	12	≤30	9000	≤130	7500	8	0.6	≥30	≥300
DM-050-012-12000	12	≤50	12000	≤200	10000	10	1.0	≥40	≥600

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-16RP050-00313000-22.5K	3	0.24	543.5	0.73	393.6	0.2	0.86	0.77	2.01
DM-16RP050-0069000-107K	6	0.11	76.3	0.29	56.6	0.9	0.52	3.5	0.82
DM-16RP050-00611400-361K	6	0.12	29.3	0.34	20.8	2.58	0.55	8.93	0.86
DM-16RP050-01216000-16K	12	0.18	1037.2	0.51	765.8	0.31	2.53	1.23	1.47
DM-16RP050-01216000-107K	12	0.12	160.5	0.41	127.6	1.44	1.89	7.04	1.53

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )



## DC PLANETARY GEAR MOTOR

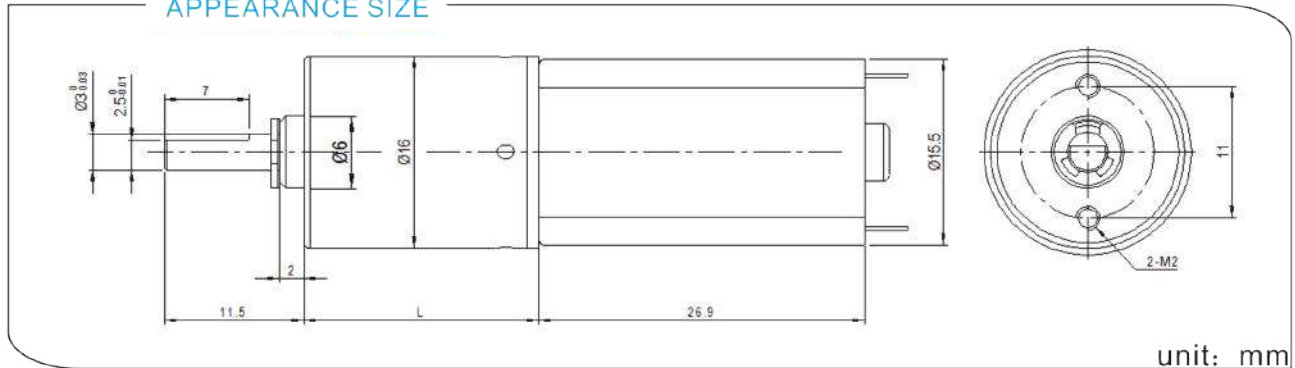
### DM-16RP050 粉末冶金 sintering

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	4、4.75	16、22.5	64、79、107	256、361、509	1024、2418
齿轮箱长度 Gearbox Length L (mm)	18.1	22.7	27.3	31.9	36.5
破坏扭力 Breaking Torque(kgf.cm)	2	3	4	5	5
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
DM-050-006-9000	6	≤60	9000	≤260	7500	8	0.6	≥30	≥550
DM-050-006-12000	6	≤70	12000	≤300	9300	10	1.0	≥40	≥1000
DM-050-012-9000	12	≤30	9000	≤130	7500	8	0.6	≥30	≥300
DM-050-012-12000	12	≤50	12000	≤200	10000	10	1.0	≥40	≥600

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
DM-16RP050-00313000-22.5K	3	0.24	543.5	0.73	393.6	0.2	0.86	0.77	2.01
DM-16RP050-0069000-107K	6	0.11	76.3	0.29	56.6	0.9	0.52	3.5	0.82
DM-16RP050-00611400-361K	6	0.12	29.3	0.34	20.8	2.58	0.55	8.93	0.86
DM-16RP050-01216000-16K	12	0.18	1037.2	0.51	765.8	0.31	2.53	1.23	1.47
DM-16RP050-01216000-107K	12	0.12	160.5	0.41	127.6	1.44	1.89	7.04	1.53

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC PLANETARY GEAR MOTOR DM-16RPR130

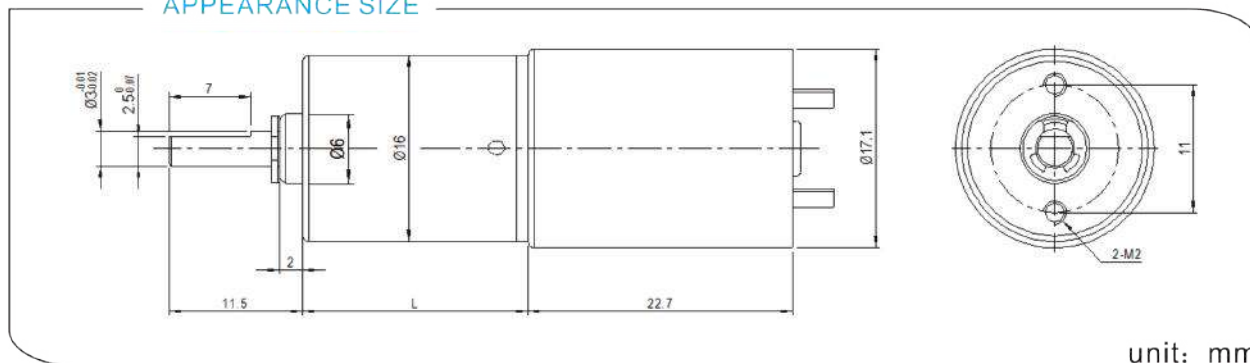
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	4、4.75	16、22.5	64、79、107	256、361、509	1024、2418
齿轮箱长度 Gearbox Length L (mm)	18.1	22.7	27.3	31.9	36.5
破坏扭力 Breaking Torque(kgf.cm)	2	3	4	5	5
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-R130-1.5-9000	1.5	≤170	9200	≤800	7600	7	0.5	≥30	≥2500
DM-R130-3.5-12000	3.5	≤35	4700	≤135	3700	4.9	0.2	≥19	≥320
DM-R130-4.5-9000	4.5	≤85	9000	≤150	8500	2	0.2	≥28	≥680
DM-R130-006-12000	6	≤45	8100	≤200	6800	7	0.5	≥30	≥560

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-16RPR130-4.59000-256K	4.5	0.09	33.1	0.29	24.6	1.36	0.35	5.3	0.89

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

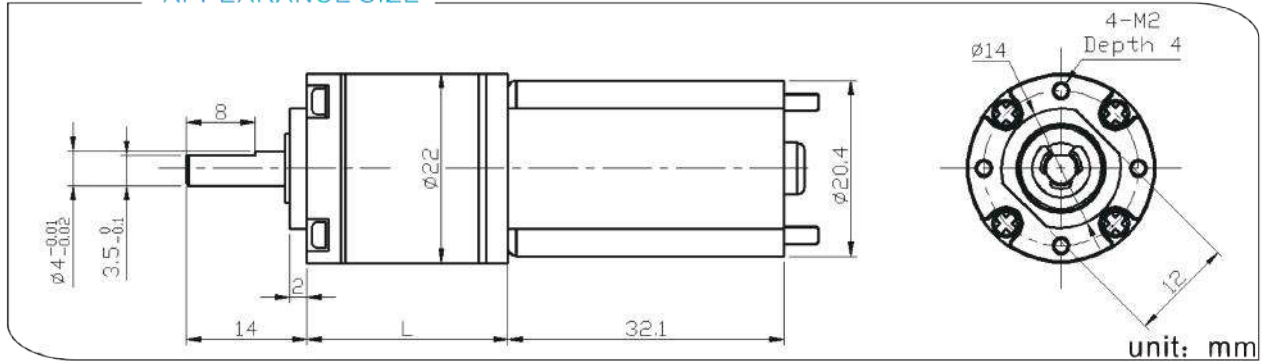
## DC PLANETARY GEAR MOTOR DM-22RP180

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	4、4.75	16、22.5	64、79、107	256、361、509	1024、2418
齿轮箱长度 Gearbox Length L (mm)	15.2	19.8	24.4	29	33.6
破坏扭力 Breaking Torque(kgf.cm)	2	3	4	5	5
齿轮箱效率 Gearbox Efficiency $\eta$	90%	81%	73%	65%	59%

电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-180-006-6000	6	≤65	6000	≤260	5100	15	0.8	≥55	≥1150
DM-180-012-6000	12	≤27	6000	≤150	5100	15	0.8	≥55	≥430
DM-180-012-9000	12	≤80	9000	≤260	7000	20	1.4	≥80	≥1000
DM-180-024-9000	24	≤50	9000	≤150	7800	20	1.6	≥80	≥550

减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-22RP180-0068000-107K	6	0.16	75.4	0.54	58.4	1.58	0.95	7.01	1.82
DM-22RP180-0068500-256K	6	0.16	31.5	0.58	24.6	3.26	0.83	15.04	2.09
DM-22RP180-00912000-107K	9	0.17	105.2	0.65	81.3	2.26	1.89	9.95	2.27
DM-22RP180-0126000-19K	12	0.05	312.5	0.15	244.2	0.23	0.59	1.07	0.51
DM-22RP180-0126000-369K	12	0.05	16.4	0.16	12.6	2.49	0.32	10.9	0.54

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

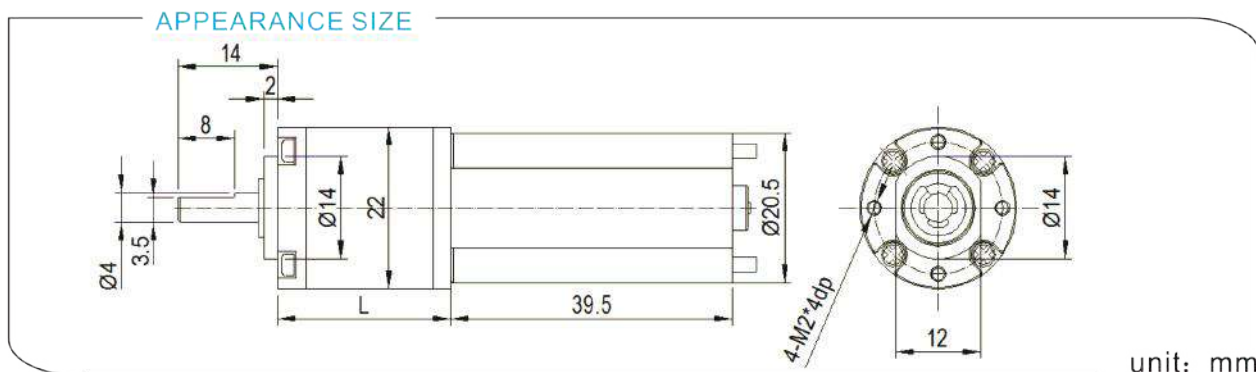
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )

## DC PLANETARY GEAR MOTOR DM-22RP2140

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	4、4.75	16、22.5	64、79、107	256、361、509	1024、2418
齿轮箱长度 Gearbox Length L (mm)	15.2	19.8	24.4	29	33.6
破坏扭力 Breaking Torque(kgf.cm)	2	3	4	5	5
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%	59%

电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-2140-009-5000	9	≤80	5000	≤220	4600	20	0.9	≥250	≥2100
DM-2140-012-6000	12	≤80	6000	≤220	5700	20	1.1	≥400	≥2200
DM-2140-012-4500	12	≤55	4500	≤150	4050	20	0.9	≥200	≥1200
DM-2140-024-6000	24	≤40	6000	≤110	5400	20	1.2	≥200	≥800

减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-22RP2140-095000-107K	9	0.82	45.1	0.31	35	2.94	1.05	13.1	1.11
DM-22RP2140-095000-256K	9	0.84	18.3	0.3	14.5	5.74	0.85	27.18	1.12
DM-22RP2140-124500-107K	12	0.71	39.7	0.23	29.9	2.98	0.91	12.11	0.74
DM-22RP2140-126000-509K	12	0.26	9.8	0.56	6.1	10.75	1.08	51.75	1.05
DM-22RP2140-246000-1024K	24	0.19	3.7	0.28	2.6	26.01	0.98	91.19	0.49

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

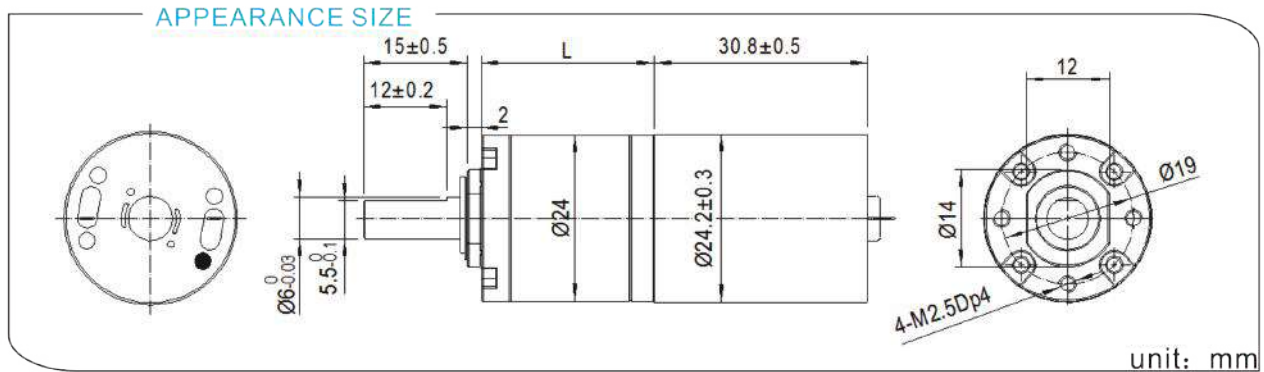
减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC PLANETARY GEAR MOTOR DM-24RP370

典型应用/Typical applications :  
自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	4、4.75	16、22.5	64、107	256、361、509	1024、2418
齿轮箱长度 Gearbox Length L (mm)	16.2	20.8	25.4	30	34.6
破坏扭力 Breaking Torque(kgf.cm)	2	3	4	5	5
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-370-006-3000	6	≤40	3000	≤160	2500	15	0.4	≥68	≥520
DM-370-006-4500	6	≤56	4500	≤300	3300	25	0.8	≥115	≥860
DM-370-006-6000	6	≤80	6000	≤450	4500	35	1.6	≥165	≥1800
DM-370-012-3000	12	≤20	3000	≤80	2500	15	0.4	≥68	≥250
DM-370-012-4500	12	≤35	4500	≤150	3300	25	0.8	≤115	≥550

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-24RP370-0063800-256K	6	0.04	13.1	0.19	9.90	2.92	0.29	9.71	0.65
DM-24RP370-0068500-64K	6	0.16	127.7	0.65	99.9	1.22	1.57	5.62	2.41

电机参数仅供参考，请以实际样板为准；可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比；减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC PLANETARY GEAR MOTOR DM-28RP385

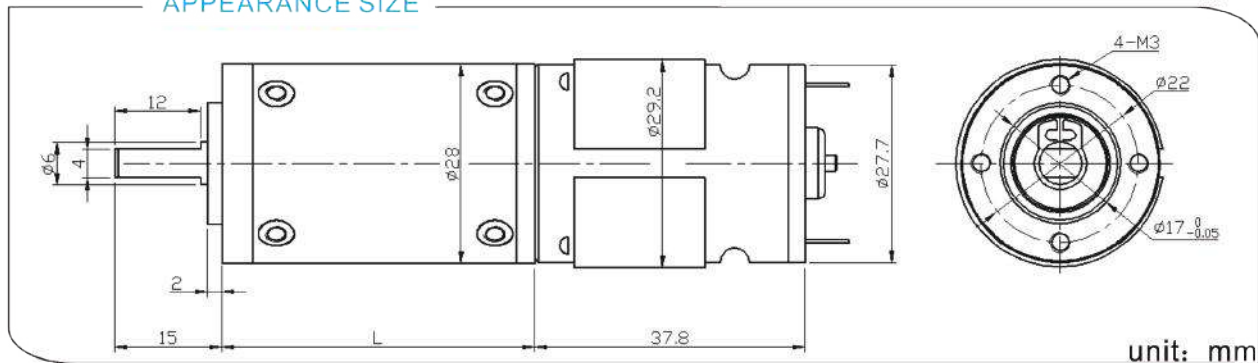
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4
减数比 Reduction Ratio i	3.7、5.2	14、19、27	51、71、100、139	189、264、369 515、721
齿轮箱长度 Gearbox Length L (mm)	27.5	35.7	43.9	52.1
破坏扭力 Breaking Torque(kgf.cm)	6	10	20	40
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-385-012-3000	12	≤60	3000	≤150	2200	35	0.8	≥110	≥360
DM-385-012-4500	12	≤70	4500	≤300	3300	55	1.9	≥210	≥960
DM-385-012-6000	12	≤100	6000	≤600	4500	80	3.7	≥280	≥1600
DM-385-024-3000	24	≤28	3000	≤70	2200	35	0.8	≥110	≥160
DM-385-024-4500	24	≤50	4500	≤150	3300	55	1.9	≥180	≥380

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (tm)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-28RP385-0124500-27K	12	0.11	163.7	0.35	126	1.5	1.92	6.4	1.16
DM-28RP385-0126000-51K	12	0.14	114.1	0.49	90.9	2.7	2.53	13.3	1.86
DM-28RP385-01215000-51K	12	0.68	295.2	2.28	225.3	4.8	10.99	20.0	7.45
DM-28RP385-0243000-139K	24	0.05	25.1	0.16	18.8	6.5	1.26	26.2	0.48
DM-28RP385-0247500-100K	24	0.26	75	0.71	59.7	6.7	4.11	28.57	1.77

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

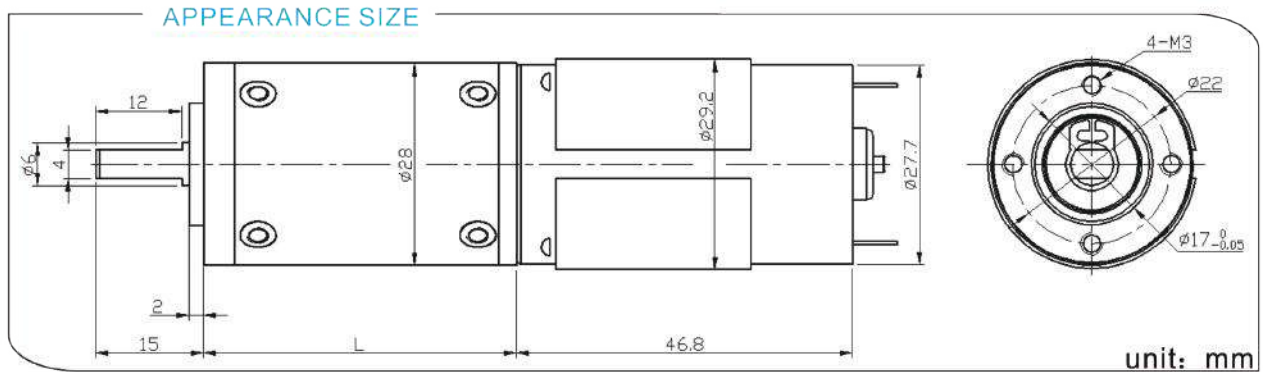
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC PLANETARY GEAR MOTOR DM-28RP395

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4
减数比 Reduction Ratio i	3.7、5.2	14、19、27	51、71、100、139	189、264、369 515、721
齿轮箱长度 Gearbox Length L (mm)	27.5	35.7	43.9	52.1
破坏扭力 Breaking Torque(kgf.cm)	6	10	20	40
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%

电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-395-012-3000	12	≤60	3000	≤250	2200	65	1.5	≥110	≥360
DM-395-012-4500	12	≤90	4500	≤430	3300	80	2.7	≥210	≥960
DM-395-012-6000	12	≤130	6000	≤750	4800	100	4.9	≥280	≥1600
DM-395-024-3000	24	≤40	3000	≤120	2200	65	1.5	≥110	≥160
DM-395-024-4500	24	≤60	4500	≤220	3300	80	2.7	≥180	≥380

减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-28RP395-0123000-139K	12	0.07	20.6	0.21	15.6	6.0	0.95	24.5	0.66
DM-28RP395-0124500-51K	12	0.15	88.3	0.5	67.0	3.03	2.08	12.5	1.58
DM-28RP395-0124500-100K	12	0.15	44.1	0.49	32.4	6.4	2.12	24.0	1.44
DM-28RP395-0244500-369K	24	0.09	12.2	0.34	9.2	21.09	1.99	76.5	0.72
DM-28RP395-0245200-71K	24	0.26	73.2	0.66	54.9	7.52	4.23	28.27	1.36

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

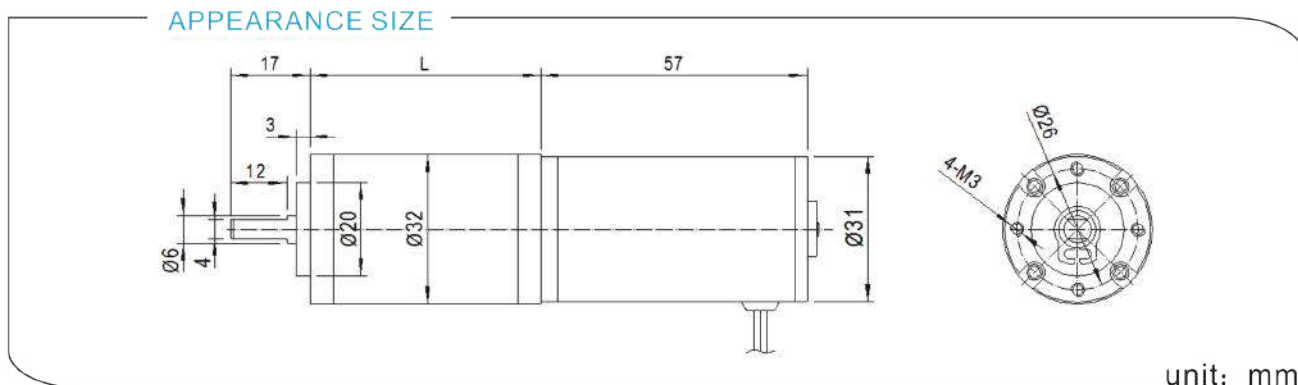
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC PLANETARY GEAR MOTOR DM-32RP31ZY

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4
减数比 Reduction Ratio i	3.7、5.2	14、19、27	51、71、100、139	189、264、369 515、721
齿轮箱长度 Gearbox Length L (mm)	27.5	35.7	43.9	52.1
破坏扭力 Breaking Torque(kgf.cm)	6	10	20	40
齿轮箱效率 Gearbox Efficiency $\eta$	90%	81%	73%	65%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-31ZY-012-3000	12	≤100	3000	≤400	2200	90	2.0	≥360	≥1600
DM-31ZY-012-4500	12	≤150	4500	≤700	3300	130	4.4	≥520	≥2700
DM-31ZY-012-6000	12	≤220	6000	≤1200	4500	180	8.3	≥720	≥5000
DM-31ZY-024-3000	24	≤60	3000	≤200	2200	90	2.0	≥360	≥800
DM-31ZY-024-4500	24	≤90	4500	≤350	3300	130	4.4	≥520	≥1300

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-32RP31ZY-0126000-189K	12	0.50	31.7	1.32	22.9	15.42	3.62	60.1	2.86
DM-32RP31ZY-0247000-515K	24	0.23	13.6	0.82	11.1	44.31	5.03	233.5	2.52

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )



## DC PLANETARY GEAR MOTOR DM-36RP545

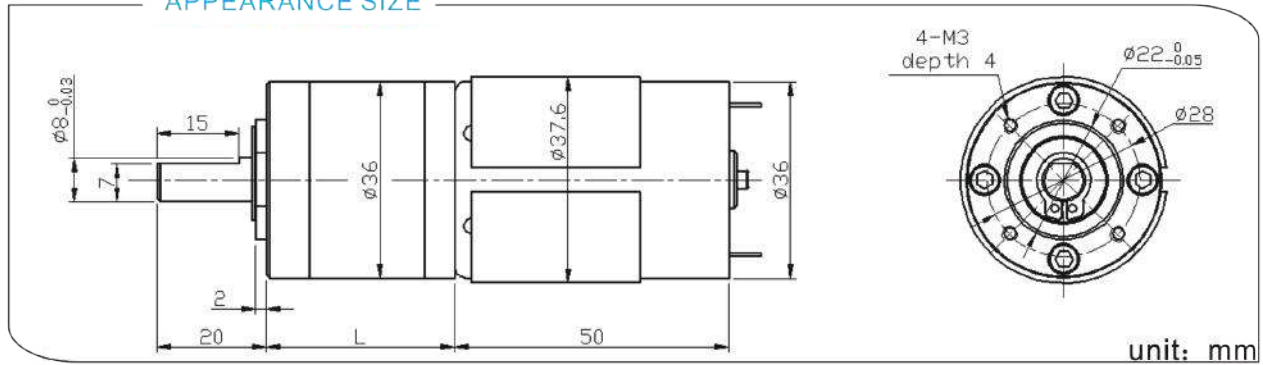
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	3.7、5.2	16、19、27	51、71、100 139	189、264、369 515、721	977、1367、1910
齿轮箱长度 Gearbox Length L (mm)	26.5	34.7	42.9	51.1	59.3
破坏扭力 Breaking Torque(kgf.cm)	10	18	40	50	60
齿轮箱效率 Gearbox Efficiency $\eta$	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-545-012-3000	12	≤110	3000	≤450	2200	100	2.3	≥320	≥1440
DM-545-012-4500	12	≤220	4500	≤800	3300	150	5.1	≥480	≥2400
DM-545-012-6000	12	≤350	6000	≤1500	4500	200	9.0	≥640	≥4400
DM-545-024-3000	24	≤60	3000	≤230	2200	100	2.3	≥320	≥720
DM-545-024-4500	24	≤110	4500	≤400	3300	150	5.1	≥480	≥1200

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-36RP545-0125000-100K	12	0.2	46.6	1.02	37.9	13.6	5.3	73.0	4.6
DM-36RP545-0126000-100K	12	0.39	59.6	1.59	47.9	16.7	8.21	85.1	6.49
DM-36RP545-0126000-139K	12	0.32	42.0	1.28	34.5	17.7	6.27	99.0	5.73
DM-36RP545-0243000-721K	24	0.07	4.2	0.22	32.0	49.0	1.61	210	0.72
DM-36RP545-0244500-100K	24	0.14	39.6	0.65	31.6	18.0	5.85	89.0	2.63

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )

## DC PLANETARY GEAR MOTOR DM-36RP555

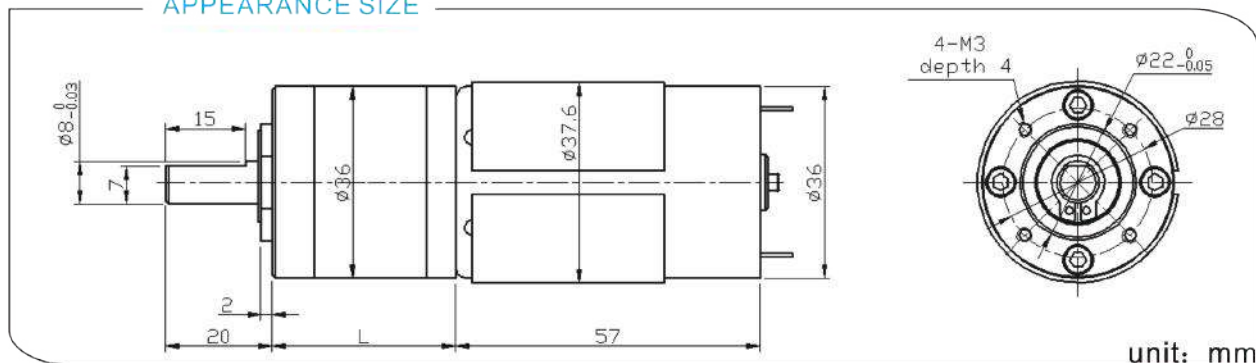
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	3.7、5.2	16、19、27	51、71、100 139	189、264、369 515、721	977、1367、1910
齿轮箱长度 Gearbox Length L (mm)	26.5	34.7	42.9	51.1	59.3
破坏扭力 Breaking Torque(kgf.cm)	10	18	40	50	60
齿轮箱效率 Gearbox Efficiency $\eta$	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-555-012-3000	12	≤140	3000	≤800	2200	150	3.4	≥480	≥2400
DM-555-012-4500	12	≤220	4500	≤1200	3300	220	7.4	≥700	≥3840
DM-555-012-6000	12	≤350	6000	≤2000	4500	300	13.8	≥960	≥4800
DM-555-024-3000	24	≤70	3000	≤400	2200	150	3.4	≥480	≥1280
DM-555-024-4500	24	≤110	4500	≤600	3300	220	7.4	≥700	≥2400

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-36RP555-0067000-515K	6	0.84	12.3	2.58	9.2	56.68	5.35	225.84	7.8
DM-36RP555-0124500-51K	12	0.31	96.1	1.61	80.2	11.64	9.58	70.26	8.15
DM-36RP555-0124500-264K	12	0.26	17.1	1.21	13.8	34.48	4.89	180.7	5.22
DM-36RP555-0124500-515K	12	0.22	10.1	0.87	7.7	45.85	3.62	193.22	2.99
DM-36RP555-02415000-189K	24	1.2	79.3	5.83	65.7	66.3	44.7	377.16	20.01

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

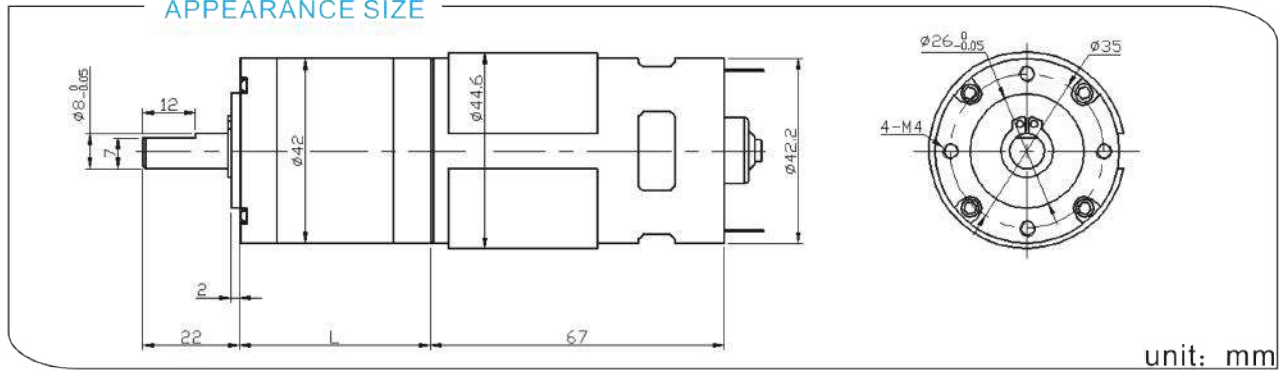
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )

## DC PLANETARY GEAR MOTOR DM-42RP775

典型应用/Typical applications :  
自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4
减数比 Reduction Ratio i	3.7、5	13、18、25	49、67、92、125	181、246、336 458、625
齿轮箱长度 Gearbox Length L (mm)	33.2	43.6	54	64.4
破坏扭力 Breaking Torque(kgf.cm)	15	25	50	90
齿轮箱效率 Gearbox Efficiency $\eta$	90%	81%	73%	65%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-775-012-3000	12	≤280	3000	≤1300	2600	450	12	≥3600	≥8600
DM-775-012-4500	12	≤450	4500	≤2100	3800	500	19.5	≥4600	≥16200
DM-775-012-6000	12	≤680	6000	≤3600	5200	600	32	≥5600	≥27200
DM-775-024-3000	24	≤120	3000	≤920	2600	450	12	≥2800	≥5100
DM-775-024-4500	24	≤230	4500	≤1400	3800	500	19.5	≥4100	≥11000

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-42RP775-0127000-13K	12	0.97	509.1	4.15	420.6	5.69	24.57	26.2	19.31
DM-42RP775-0127000-25K	12	0.79	269.9	4.08	218.9	10.9	24.57	46.2	18.2
DM-42RP775-0128000-18K	12	2.1	444.4	6.37	324.2	7.34	24.44	31.48	15.7
DM-42RP775-0243600-125K	24	0.29	28.8	1.40	23.1	44.4	10.54	218.7	4.2
DM-42RP775-0248000-92K	24	0.83	86.9	3.88	73.2	21.69	16.29	114.8	12.7

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )

## BRUSHLESS DC PLANETARY GEAR MOTOR DM-24RPBL2418

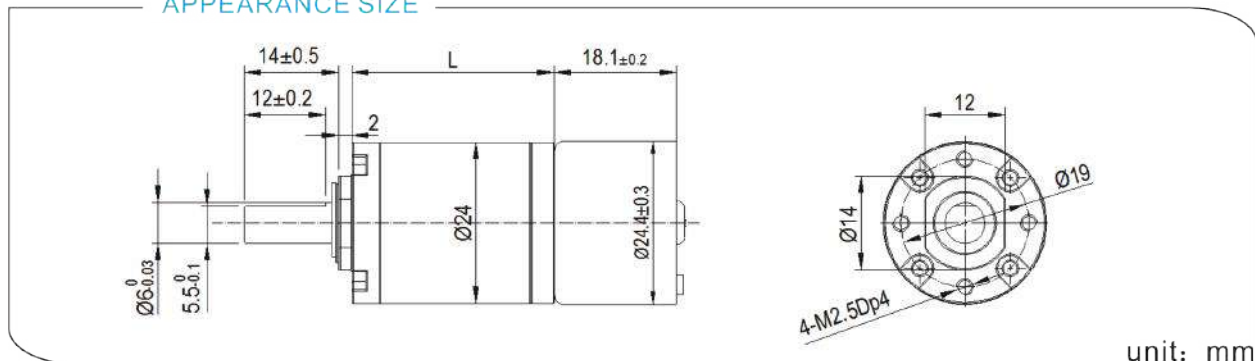
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

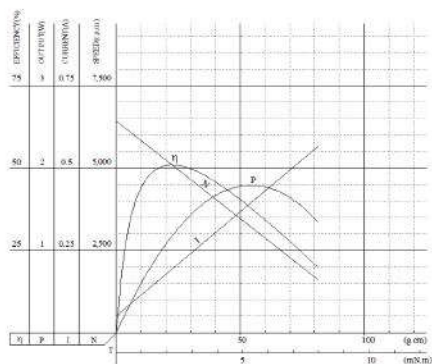
级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	4、4.75	16、22.5	64、107	256、361、509	1024、2418
齿轮箱长度 Gearbox Length L (mm)	16.2	20.8	25.4	30	34.6
破坏扭力 Breaking Torque(kgf.cm)	2	3	4	5	5
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

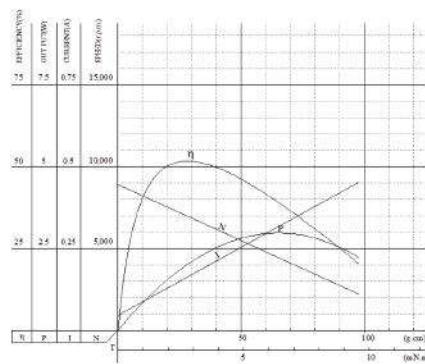
DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-BL2418-006-7000	6	≤170	7000	≤660	5800	29	1.7	≥140	≥2000
DM-BL2418-012-6500	12	≤60	6500	≤240	5100	22	1.1	≥100	≥700
DM-BL2418-024-9000	24	≤55	9000	≤200	7000	28	2.0	≥130	≥550

### 曲线图/Curve Chart:

MODEL: DM-BL2418-0126500



MODEL: DM-BL2418-0129000



电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

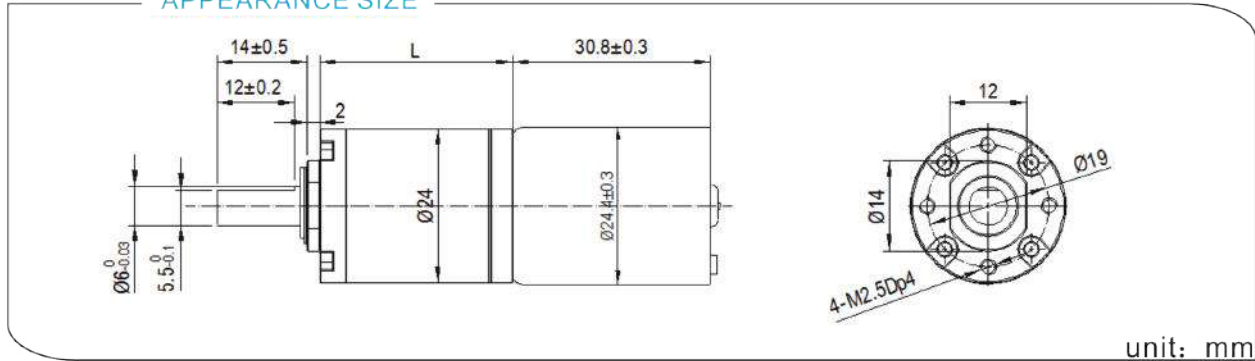
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

# BRUSHLESS DC PLANETARY GEAR MOTOR DM-24RPBL2430

典型应用/Typical applications :  
 自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
 办公设备、家用电器、自动执行机构  
 Auto shutter, binding machine, automatic TV rack, money counter,  
 spotlight, tissue machine, office equipments, household appliances,  
 automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

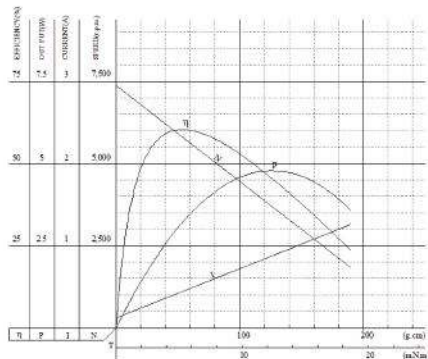
级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	4、4.75	16、22.5	64、107	256、361、509	1024、2418
齿轮箱长度 Gearbox Length L (mm)	16.2	20.8	25.4	30	34.6
破坏扭力 Breaking Torque(kgf.cm)	2	3	4	5	5
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

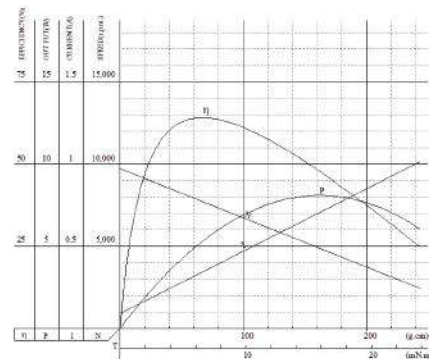
DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-BL2430-009-6000	6	≤195	6000	≤660	4700	48	2.3	≥220	≥1500
DM-BL2430-012-7500	12	≤180	7500	≤650	5800	53	3.1	≥250	≥1600
DM-BL2430-024-10000	24	≤135	10000	≤550	7700	68	5.3	≥320	≥1300

### 曲线图/Curve Chart:

MODEL: DM-BL2430-0127500



MODEL: DM-BL2430-02410000



电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## BRUSHLESS DC PLANETARY GEAR MOTOR DM-28RPBL2838

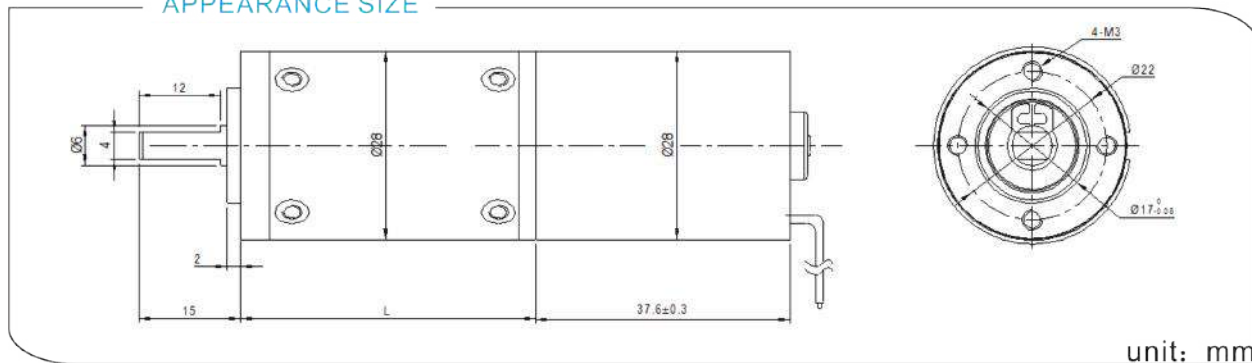
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

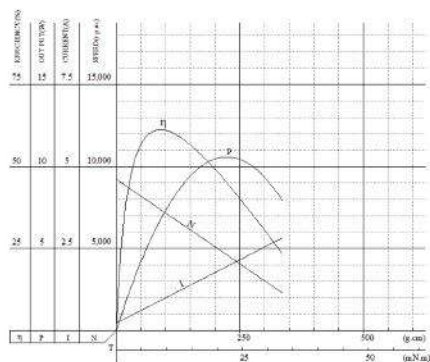
级数 Number of stages	1	2	3	4
减数比 Reduction Ratio i	3.7、5.2	14、19、27	51、71、100、139	189、264、369 515、721
齿轮箱长度 Gearbox Length L (mm)	27.5	35.7	43.9	52.1
破坏扭力 Breaking Torque(kgf.cm)	6	10	20	40
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%

### 电机参数/Driving Motor Data:

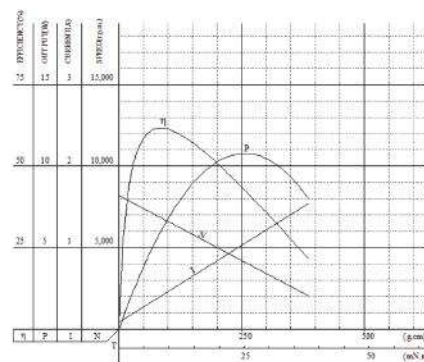
DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-BL2838-07.4-5500	7.4	≤290	5500	≤1200	4300	84	3.7	≥440	≥3300
DM-BL2838-012-9000	12	≤350	9000	≤1350	7300	89	3.1	≥440	≥3600
DM-BL2838-024-8000	24	≤120	8000	≤600	6800	87	5.3	≥510	≥2000

### 曲线图/Curve Chart:

MODEL: DM-BL2838-0129000



MODEL: DM-BL2838-0248000



电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

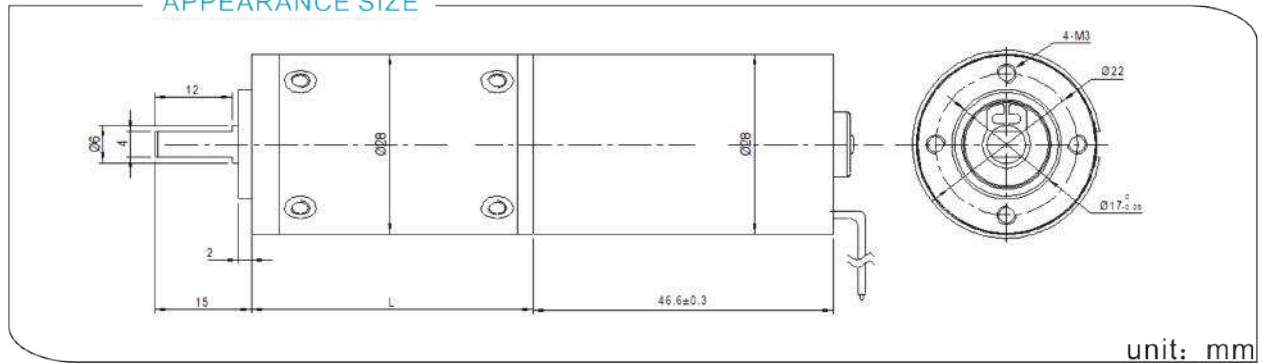
# BRUSHLESS DC PLANETARY GEAR MOTOR DM-28RPBL2847

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



## APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

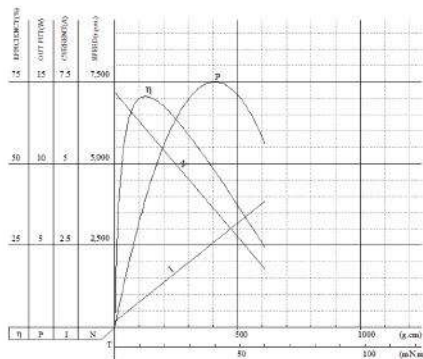
级数 Number of stages	1	2	3	4
减数比 Reduction Ratio i	3.7、5.2	14、19、27	51、71、100、139	189、264、369 515、721
齿轮箱长度 Gearbox Length L (mm)	27.5	35.7	43.9	52.1
破坏扭力 Breaking Torque(kgf.cm)	6	10	20	40
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%

### 电机参数/Driving Motor Data:

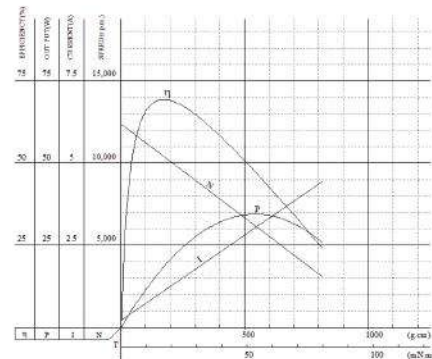
DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-BL2847-012-7000	7.4	≤250	7000	≤1300	6100	122	7.6	≥800	≥5000
DM-BL2847-018-11000	12	≤300	11000	≤1600	9100	147	13.8	≥920	≥5700
DM-BL2847-024-12000	24	≤310	12000	≤1600	10000	173	18.5	≥1000	≥5800

### 曲线图/Curve Chart:

MODEL: DM-BL2847-0127000



MODEL: DM-BL2847-02412000



电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## BRUSHLESS DC PLANETARY GEAR MOTOR DM-36RPBL3625

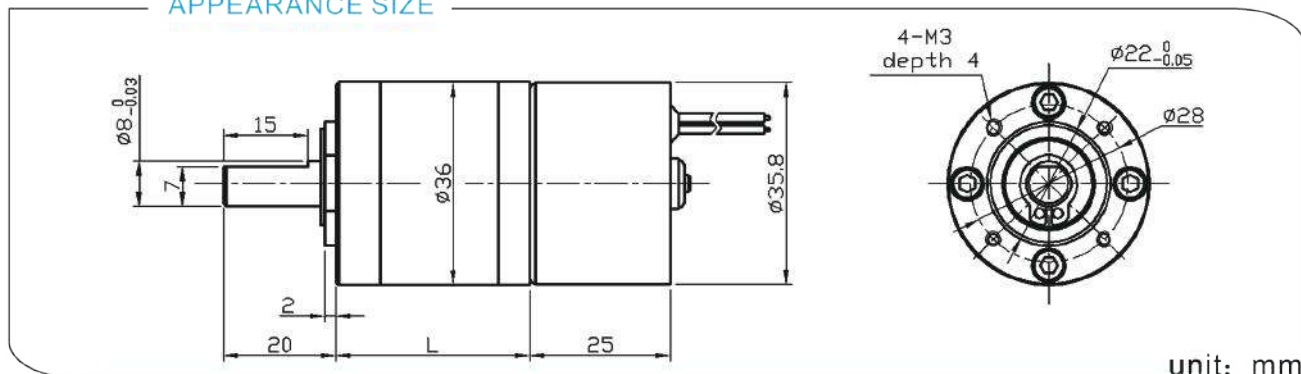
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter, spotlight, tissue machine, office equipments, household appliances, automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	3.7、5.2	16、19、27	51、71、100 139	189、264、369 515、721	977、1367、1910
齿轮箱长度 Gearbox Length L (mm)	26.5	34.7	42.9	51.1	59.3
破坏扭力 Breaking Torque(kgf.cm)	10	18	40	50	60
齿轮箱效率 Gearbox Efficiency η	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-BL3625-012-3000	12	≤120	3000	≤360	2400	45	1.1	≥180	≥800
DM-BL3625-012-4500	12	≤260	4500	≤760	3300	65	2.2	≥260	≥1200
DM-BL3625-012-6000	12	≤345	6000	≤1000	4500	80	3.7	≥320	≥1600
DM-BL3625-024-3000	24	≤95	3000	≤255	2400	45	1.1	≥180	≥400
DM-BL3625-024-4500	24	≤140	4500	≤390	3300	65	2.2	≥260	≥600

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-36RPBL3625-0094000-189K	9	0.1	20.5	0.45	16.2	8.37	1.4	40.4	1.8
DM-36RPBL3625-0243800-14K	24	0.06	247.3	0.17	185.4	0.84	1.59	3.3	0.5
DM-36RPBL3625-0246000-5.2K	24	0.1	1068.9	0.36	815.4	0.56	4.72	2.3	1.22

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)



## BRUSHLESS DC PLANETARY GEAR MOTOR DM-36RPBL3650

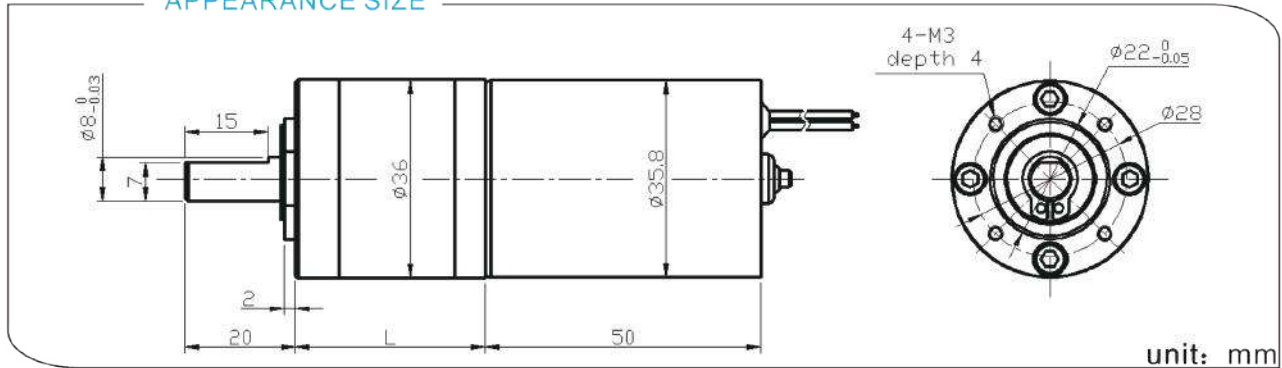
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4	5
减数比 Reduction Ratio i	3.7、5.2	14、19、27	51、71、100 139	189、264、369 515、721	977、1367、1910
齿轮箱长度 Gearbox Length L (mm)	26.5	34.7	42.9	51.1	59.3
破坏扭力 Breaking Torque(kgf.cm)	10	18	40	50	60
齿轮箱效率 Gearbox Efficiency $\eta$	90%	81%	73%	65%	59%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt. V	Current mA	Speed r/min	Current mA	Speed r/min	Torque gf.cm	P.out W	Torque gf.cm	Current mA
DM-BL3650-012-3000	12	≤170	3000	≤775	2400	100	2.5	≥510	≥2340
DM-BL3650-012-4500	12	≤260	4500	≤1160	3300	150	5.1	≥768	≥3520
DM-BL3650-012-6000	12	≤340	6000	≤1550	4500	200	9.2	≥1020	≥4680
DM-BL3650-024-3000	24	≤140	3000	≤600	2400	100	2.5	≥510	≥1200
DM-BL3650-024-4500	24	≤210	4500	≤900	3300	150	5.1	≥768	≥1760

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-36RPBL3650-0093000-264K	9	0.15	11.3	0.46	8.3	13	1.12	49	1.32
DM-36RPBL3650-0126000-3.7K	12	0.29	1577.6	1.47	1303.5	0.83	11.04	4.75	7.06
DM-36RPBL3650-0128000-369K	12	0.44	22	1.84	17.1	41	7.24	186	6.76
DM-36RPBL3650-0246000-51K	24	0.16	113.9	0.78	97.5	9.2	9.27	64.3	4.47

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

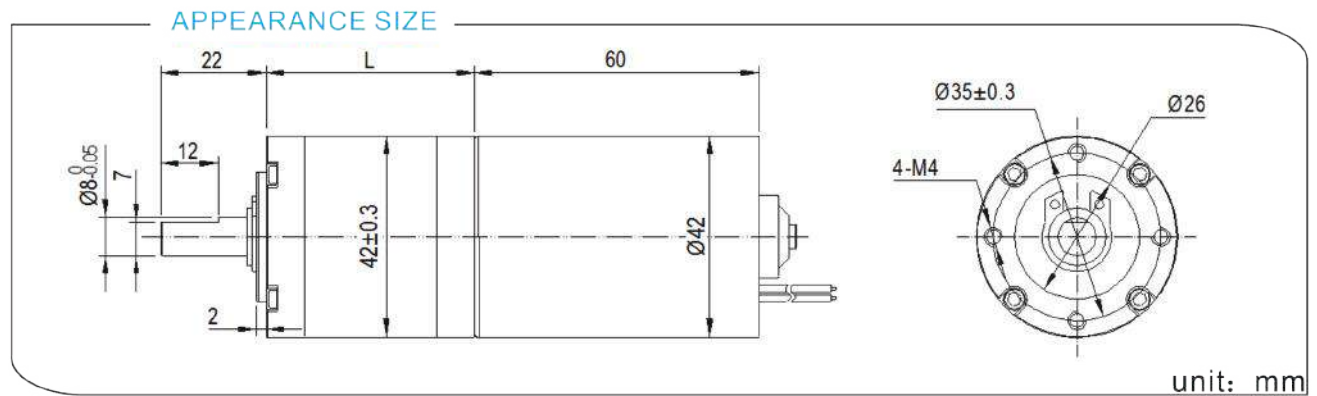
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## BRUSHLESS DC PLANETARY GEAR MOTOR DM-42RPBL4260

典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	1	2	3	4
减数比 Reduction Ratio i	3.7、5	13、18、25	49、67、92、125	181、246、336 458、625
齿轮箱长度 Gearbox Length L (mm)	33.2	43.6	54	64.4
破坏扭力 Breaking Torque(kgf.cm)	15	25	50	90
齿轮箱效率 Gearbox Efficiency $\eta$	90%	81%	73%	65%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 ( $n_m$ )	扭矩 ( $t_m$ )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-BL4260-012-6000	12	≤320	6000	≤3700	3900	600	36.9	≥1710	≥5000
DM-BL4260-012-10000	12	≤900	10000	≤5300	7200	800	82	≥2800	≥10000
DM-BL4260-024-8000	24	≤380	8000	≤2200	6700	450	36.9	≥2760	≥9000
DM-BL4260-024-10000	24	≤620	10000	≤2860	8400	600	61.5	≥3750	≥5000

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		V	A	r/min	A	r/min	kgf.cm	W	kgf.cm
DM-42RPBL4260-0126000-246K	12	0.4	24.3	1.88	21.4	30.7	6.81	170.7	7.5
DM-42RPBL4260-01210000-13K	12	0.15	769.2	5.50	533.6	3.9	21.45	1887.6	14.09
DM-42RPBL4260-0248000-25K	24	0.55	320	3.12	272	1.1	31.61	284.5	11.85
DM-42RPBL4260-02410000-49K	24	0.11	204.08	5	160.6	2.3	38.88	354.8	14.76

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio ( $n=n_m/i$ )

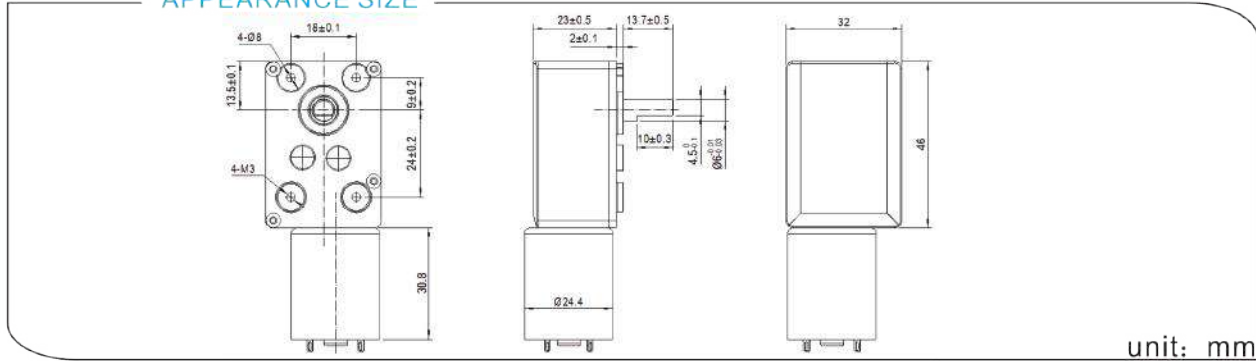
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. ( $t=t_m*i*\eta$ )

## DC WORM GEAR MOTOR DM-46SW370

典型应用/Typical applications :  
 自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
 办公设备、家用电器、自动执行机构  
 Auto shutter, binding machine, automatic TV rack, money counter,  
 spotlight, tissue machine, office equipments, household appliances,  
 automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4
减数比 Reduction Ratio i	29、71、174	336、410、539、603、674、 754、1020、1443、1635
齿轮箱长度 Gearbox Length L (mm)	25	25
破坏扭力 Breaking Torque(kgf.cm)	8	30
齿轮箱效率 Gearbox Efficiency η	50%	40%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-370-006-5000	6	≤45	5000	≤240	4200	20	0.88	≥112	≥1100
DM-370-012-6000	12	≤42	6000	≤150	5000	20	1.05	≥108	≥980
DM-370-012-12000	12	≤90	12000	≤520	10300	28	2.96	≥177	≥2500
DM-370-024-6000	24	≤21	6000	≤110	5100	21	1.12	≥126	≥440
DM-370-024-9000	24	≤43	9000	≤210	7800	27	2.20	≥182	≥950

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-46SW370-0064500-1635K	6	0.05	2.9	0.22	2.3	7.0	0.17	37.0	0.93
DM-46SW370-0066000-109K	6	0.05	56.6	0.35	48.1	1.2	0.6	8.0	2.05
DM-46SW370-0066000-174K	6	0.05	35.7	0.34	30.2	1.5	0.47	9.7	1.89
DM-46SW370-0124500-174K	12	0.04	24.6	0.18	19.4	2	0.41	9.7	0.68
DM-46SW370-0125700-71K	12	0.03	78.9	0.17	65.5	0.6	0.39	3.4	0.86

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC WORM GEAR MOTOR DM-46SW395

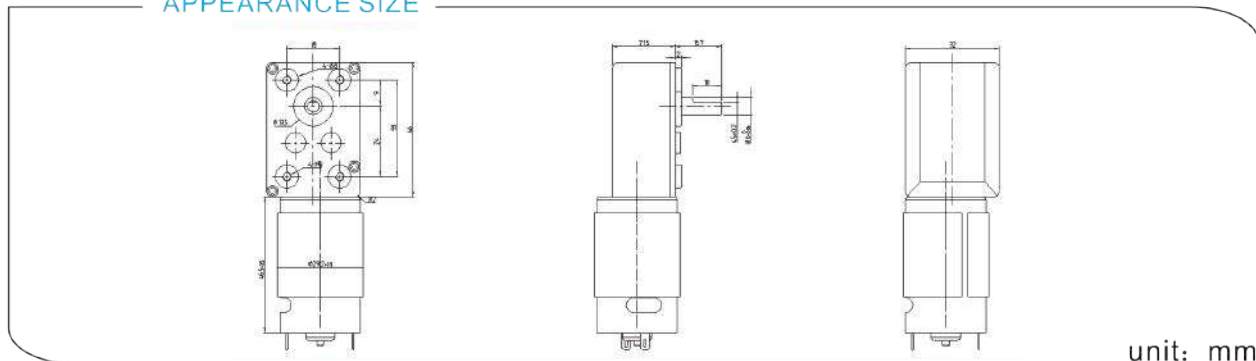
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4
减数比 Reduction Ratio i	29、71、174	336、410、539、603、674、754
齿轮箱长度 Gearbox Length L (mm)	46	46
破坏扭力 Breaking Torque(kgf.cm)	8	30
齿轮箱效率 Gearbox Efficiency η	50%	40%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-395-012-6000	12	≤160	6000	≤1200	4000	100	4.1	≥300	≥2200
DM-395-024-4500	24	≤70	4500	≤350	3600	100	3.6	≥750	≥780
DM-395-024-6000	24	≤100	6000	≤650	4500	100	4.6	≥400	≥1200

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-46SW395-0126000-174k	12	0.41	25.6	0.92	15.7	3.28	0.86	17.19	1.73
DM-46SW395-0126000-336k	12	0.46	12.7	0.97	7.81	6.64	0.86	31.92	1.81
DM-46SW395-0244500-174k	24	0.18	20.1	0.41	12.6	3.58	0.73	18.29	0.76
DM-46SW395-0246000-336k	24	0.32	13.8	0.78	8.11	10.19	1.44	55.78	1.44
DM-46SW395-0246000-539k	24	0.23	9.51	0.75	5.41	8.39	0.81	57.06	1.42

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

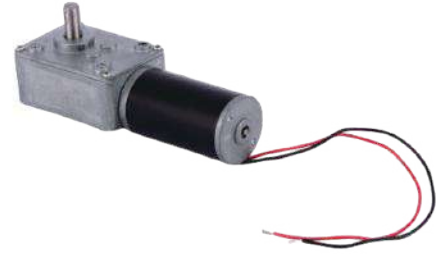
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC WORM GEAR MOTOR DM-58SW31ZY

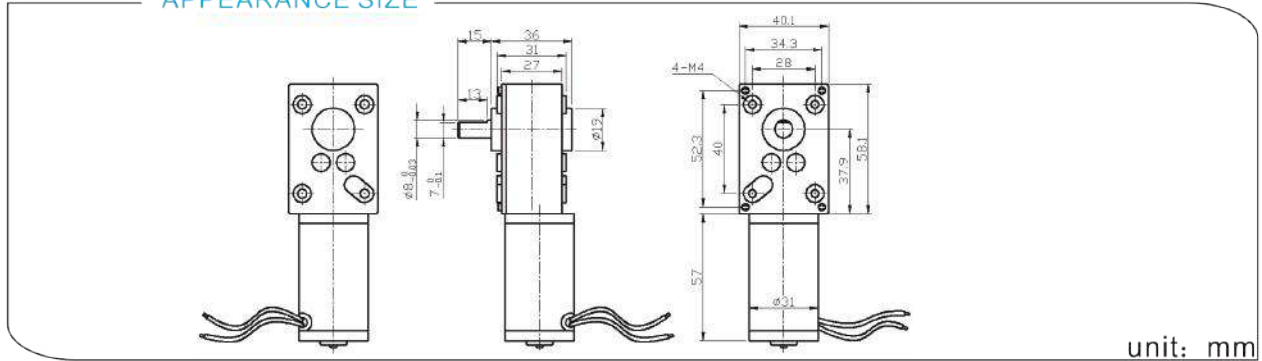
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4
减速比 Reduction Ratio i	54、75、109、161、167、322	313、405、402、500、548、663、708、1327
齿轮箱长度 Gearbox Length L (cm)	36	36
破坏扭力 Breaking Torque(kgf.cm)	15	35
齿轮箱效率 Gearbox Efficiency η	40%	36%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-31ZY-012-3000	12	≤100	3000	≤400	2200	90	2.0	≥360	≥1600
DM-31ZY-012-4500	12	≤150	4500	≤700	3300	130	4.4	≥520	≥2700
DM-31ZY-012-6000	12	≤220	6000	≤1200	4500	180	8.3	≥720	≥5000
DM-31ZY-024-3000	24	≤60	3000	≤200	2200	90	2.0	≥360	≥800
DM-31ZY-024-4500	24	≤90	4500	≤350	3300	130	4.4	≥520	≥1300

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-58SW31ZY-0126000-49K	12	0.14	123.6	0.84	104.4	2.7	2.87	17.0	4.67
DM-58SW31ZY-0126000-218K	12	0.12	25.8	0.94	21.8	10.6	2.37	68.0	5.41
DM-58SW31ZY-0129000-49K	12	0.36	181.5	1.93	146.5	3.7	5.64	19.0	8.52
DM-58SW31ZY-0128000-74K	12	0.15	106.9	0.83	86.4	5.7	5.09	29.9	3.66
DM-58SW31ZY-0248000-290K	24	0.13	26.3	0.73	22.5	19.4	4.47	132.0	4.20

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC WORM GEAR MOTOR DM-58SW555

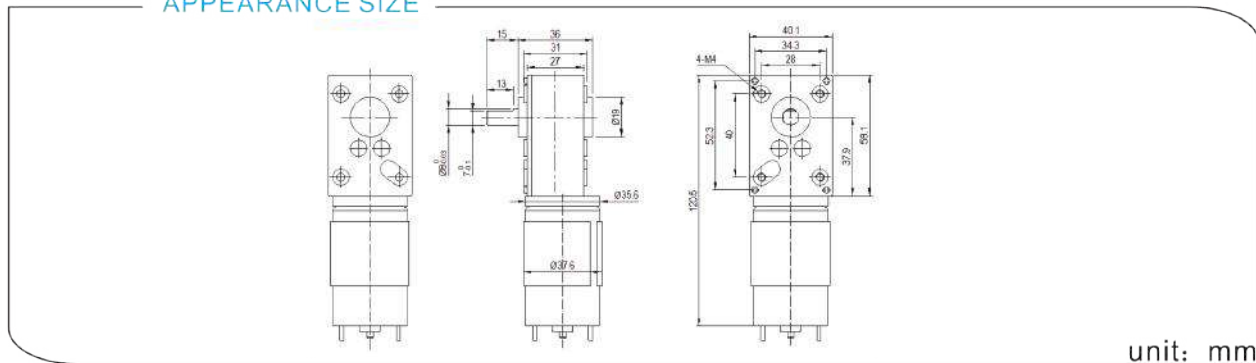
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4
减速比 Reduction Ratio i	54、75、109、161、167、322	313、405、402、500、548、663、708、1327
齿轮箱长度 Gearbox Length L (cm)	36	36
破坏扭力 Breaking Torque(kgf.cm)	15	35
齿轮箱效率 Gearbox Efficiency η	40%	36%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load				Stall	
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-555-012-4500	12	≤200	4500	≤1000	4000	200	8.2	≥1800	≥6000
DM-555-012-6000	12	≤450	6000	≤2000	5500	200	11.2	≥2400	≥11000
DM-555-024-6500	24	≤210	6500	≤1000	6000	200	12.3	≥2600	≥7000
DM-555-024-7000	24	≤220	7000	≤600	6700	100	6.8	≥2300	≥10000
DM-555-024-14000	24	≤430	14000	≤1960	13100	200	26.8	≥3100	≥12000

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-58SW555-0126000-313K	12	0.21	17.7	1.23	17.7	19.2	2.84	104.68	5.74
DM-58SW555-0123525-663K	12	0.09	4.6	0.68	3.8	41.6	1.63	244.9	3.56
DM-58SW555-0124500-1327K	12	0.07	2.9	0.76	2.6	68.65	1.83	636.1	6.45
DM-58SW555-0246500-663K	24	0.13	10.2	0.81	8.6	46.1	4.06	237.9	4.55

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

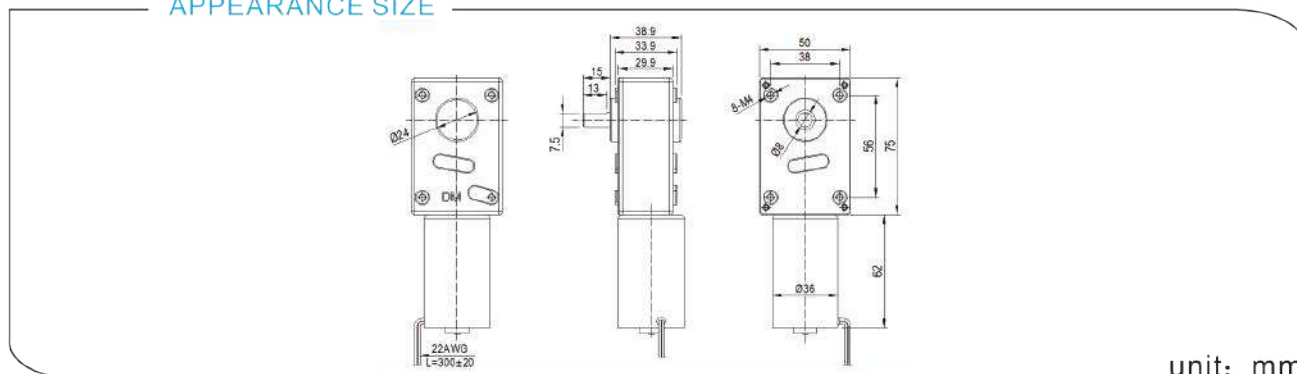
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

# DC WORM GEAR MOTOR DM-75SW36ZY

典型应用/Typical applications :  
自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构  
Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



## APPEARANCE SIZE



unit: mm

## 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4
减数比 Reduction Ratio i	83、90、99、110、120、221	230、250、267、294、324、359、400、448、506、718、800、896、1012
齿轮箱长度 Gearbox Length L (mm)	75	75
破坏扭力 Breaking Torque(kgf.cm)	70	100
齿轮箱效率 Gearbox Efficiency η	50%	40%

## 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load			Max Efficiency Load			Stall	
	电压	电流	转速	电流	转速 (n <sub>m</sub> )	扭矩 (t <sub>m</sub> )	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-36ZY-012-5500	12	≤300	5500	≤2500	4000	500	20.51	≥1833	≥5500
DM-36ZY-024-6000	24	≤170	6000	≤1400	5000	500	25.6	≥720	≥3000
DM-36ZY-024-4500	24	≤500	4500	≤7600	3400	302	10.53	≥1235	≥1900

## 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load				Stall	
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
		A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-75SW36ZY-0125500-718K	12	0.04	7.6	0.57	6.9	14.68	1.04	178.12	6.38
DM-75SW36ZY-0246000-359K	24	0.24	17.0	1.15	3.51	35.8	4.97	139.78	4.70

电机参数仅供参考，请以实际样板为准;可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)

## DC WORM GEAR MOTOR DM-75SW555

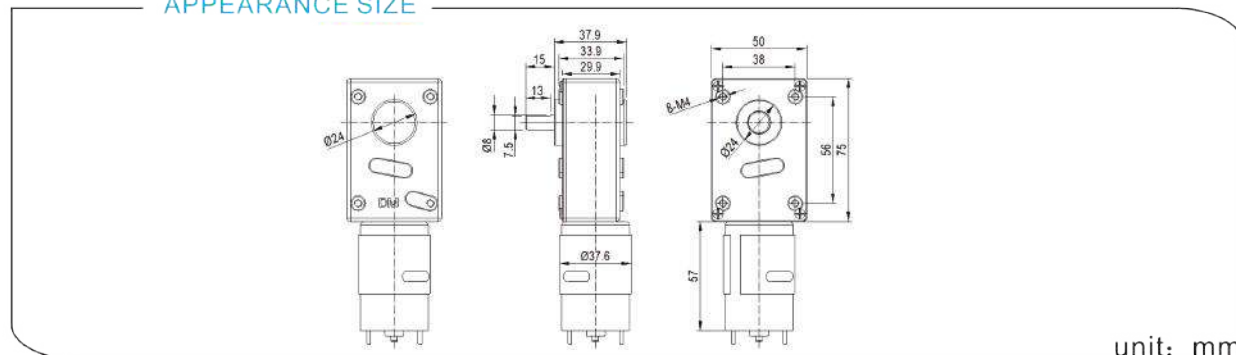
典型应用/Typical applications :

自动快锁门、装订机、自动电视架、点钞机、聚光灯、卫生纸机、  
办公设备、家用电器、自动执行机构

Auto shutter, binding machine, automatic TV rack, money counter,  
spotlight, tissue machine, office equipments, household appliances,  
automatic actuator



### APPEARANCE SIZE



unit: mm

### 齿轮箱参数/Gearbox Data:

级数 Number of stages	3	4
减数比 Reduction Ratio i	83、90、99、110、120、221	230、250、267、294、324、360、400、448、506、718、800、896、1012
齿轮箱长度 Gearbox Length L (mm)	75	75
破坏扭力 Breaking Torque(kgf.cm)	70	100
齿轮箱效率 Gearbox Efficiency η	50%	40%

### 电机参数/Driving Motor Data:

DC Motor Model	Rated	No Load		Max Efficiency Load			Stall		
	电压	电流	转速	电流	转速 (nm)	扭矩 (tm)	功率	扭矩	电流
	Volt.	Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	mA	r/min	mA	r/min	gf.cm	W	gf.cm	mA
DM-555-012-3600	12	≤205	3600	≤840	3000	200	6.1	≥2400	≥5695
DM-555-012-4500	12	≤200	4500	≤1200	4000	200	8.21	≥1800	≥7650
DM-555-012-6000	12	≤450	6000	≤2400	5500	200	11.28	≥2400	≥12750
DM-555-024-6000	24	≤230	6000	≤1080	5450	200	11.28	≥2181	≥5100

### 减数电机参数/Geared Motor Data :

Gear Motor Model	额定电压 Rated voltage	No load		Max Efficiency Load			Stall		
		电流	转速	电流	转速 (n)	扭矩 (t)	功率	扭矩	电流
		Current	Speed	Current	Speed	Torque	P.out	Torque	Current
	V	A	r/min	A	r/min	kgf.cm	W	kgf.cm	A
DM-75SW555-0062250-359K	6	0.12	5.8	0.63	4.8	18.97	0.92	82.4	2.87
DM-75SW555-0123000-359K	12	0.16	8.3	0.72	6.6	16.32	1.10	62.5	2.86
DM-75SW555-0124500-359K	12	0.15	12.2	0.95	10.4	30.09	3.22	168.74	5.79
DM-75SW555-0246000-359K	24	0.14	17.6	0.99	15.0	24.68	3.79	131.94	5.84

电机参数仅供参考, 请以实际样板为准; 可以依据客户要求定制参数。

The motor parameters are for reference only, please refer to real measured data;

We can customize parameters according to customer requirements.

减数电机输出转速=直流电机输出转速/齿轮箱减数比; 减数电机输出扭矩=直流电机输出扭矩\*齿轮箱减数比\*齿轮箱传动效率。

Gear Motor Output Speed=DC Motor Speed/Gear Ratio (n=n<sub>m</sub>/i)

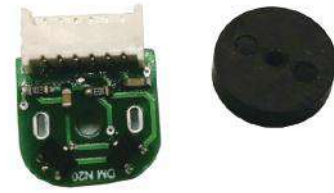
Gear Motor Output Torque=DC Motor Torque\*Gear Ratio\*Gearbox Efficiency. (t=t<sub>m</sub>\*i\*η)



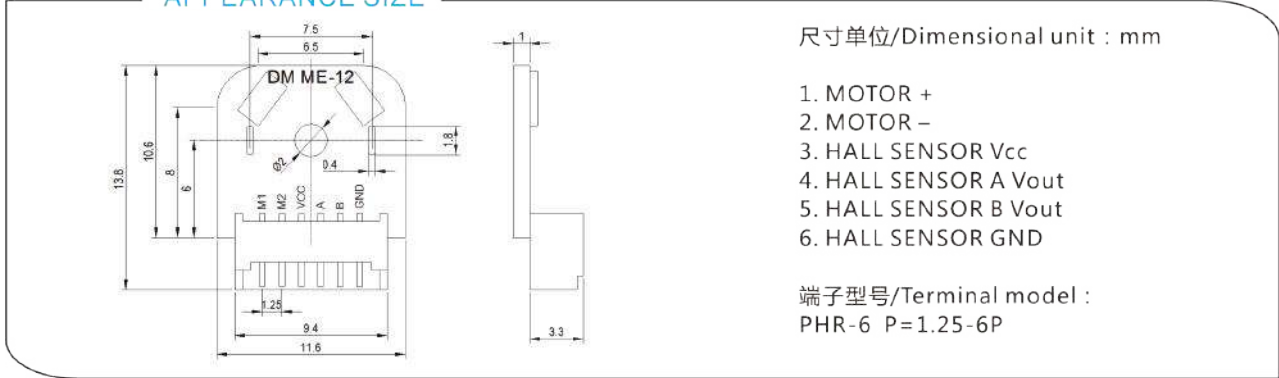
## Dual Channel Hall Encoder

### ME-12

Applicable motor : N20、N30  
 Magnet poles:3PPR  
 Magnet size :  $\phi 7.6 \times \phi 1 \times 2\text{mm}$



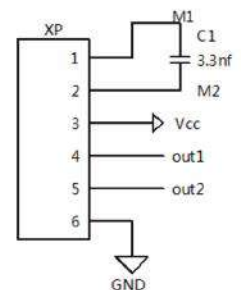
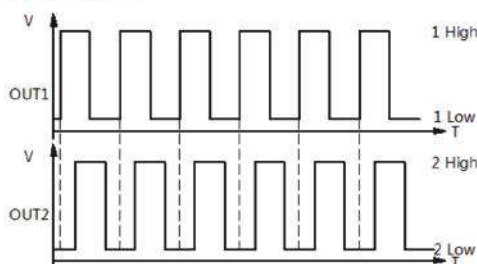
### APPEARANCE SIZE



### Electrical Characteristics:

规格特性 Characteristics	符号 Symbol	测试条件 Test Conditions	值 Values			单位 Unit
			最小 Min.	基本 Typ.	最大 Max.	
工作电压 Supply Voltage	Vs		3.0	-	18	V
输出电压 Output Voltage	VQ	:	-0.7	-	18	V
温度 Temperature	Tj		-40	-	150	°C
输出电流 Output Current	Iq		0	-	20	mA
输入电流 Supply Current	Is	Vs = 3.0 V ... 18 V	2	4	6	mA
反向电流 Reverse Current	ISR	Vs = - 18 V	0	0.2	1	mA
输出饱和电压 Output Saturation Voltage	VQSAT	Iq = 20 mA	-	0.3	0.6	V
输出漏电流 Output Leakage Current	IQLEAK	For VQ = 18 V	-	0.05	10	$\mu\text{A}$
输出下降时间 Output Fall Time	tf	RL = 1.2 k $\Omega$ ; CL = 50 pF	-	0.02	1	$\mu\text{S}$
输出上升时间 Output Rise Time	tr		-	0.4	1	$\mu\text{S}$

### Wavcform:



## 译码器应用/Using the Encoder :

双通道霍尔编码器可以通过安装在电机后出轴上的磁铁检测电机轴转数。编码器板检测磁盘的旋转, 当同时计算两个通道的两个高低边沿时, 正交编码器提供每转12个计数的分辨率。要计算变速箱输出轴的每转计数, 请将齿轮箱减速比乘以12 ;

A two-channel Hall effect encoder is used to sense the rotation of a magnetic disk on a rear protrusion of the motor shaft. The encoder board senses the rotation of the magnetic disc and provides a resolution of 12 counts per revolution of the motor shaft when counting both edges of both channels. To compute the counts per revolution of the gearbox output shaft, multiply the gear ratio by 12.

霍尔传感器通过VCC和GND引脚供电。VCC可以是3.0 V至18 V, 正交输出A和B是数字信号, 由传感器驱动为低电平(0 V)或通过10kΩ上拉电阻拉至VCC, 具体取决于所施加的磁场。A和B输出是大约90°异相的方波。传感器的比较器具有内置滞后功能, 可防止电机在转换点附近停止时出现杂散信号。转换频率告诉您电机的速度, 转换顺序告诉您电机的旋向;

The hall sensors are powered through the VCC and GND pins. VCC can be 3.0 V to 18 V, and the quadrature outputs A and B are digital signals that are either driven low (0 V) by the sensors or pulled to VCC through 10 kΩ pull-up resistors, depending on the applied magnetic field. The A and B outputs are square waves approximately 90° out of phase. The sensors' comparators have built-in hysteresis, which prevents spurious signals in cases where the motor stops near a transition point. The frequency of the transitions tells you the speed of the motor, and the order of the transitions tells you the direction

通过计算A和B输出的上升沿和下降沿, 可以在电机轴的每转中获得12个计数。仅使用一个通道的单个边沿, 则可以在电机轴每转中获得3个计数。

By counting both the rising and falling edges of both the A and B outputs, it is possible to get 12 counts per revolution of the motor shaft. If using just a single edge of one channel (A or B) results in 3 counts per revolution of the motor shaft.

## Dual Channel Hall Encoder

ME-25YS

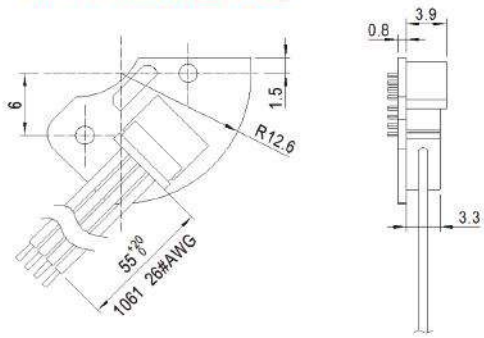
适用电机/Applicable motor : 25YS

磁对极数/Magnet poles : 7PPR

M磁铁尺寸/Magnet size :  $\phi 13 \times \phi 4 \times 2 \text{mm}$



### APPEARANCE SIZE



尺寸单位/Dimensional unit : mm

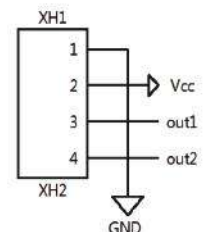
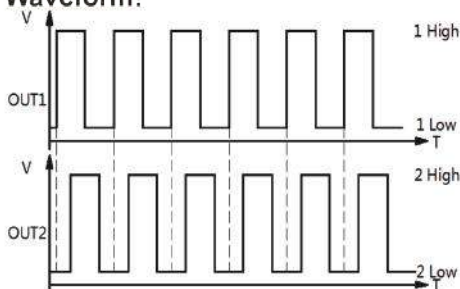
- 1. HALL SENSOR GND    BLACK
- 2. HALL SENSOR Vcc    RED
- 3. HALL SENSOR A Vout    YELLOW
- 4. HALL SENSOR B Vout    WHITE

端子型号/Terminal model :  
MX-1.25 P=1.25-4P

### Electrical Characteristics:

规格特性 Characteristics	符号 Symbol	测试条件 Test Conditions	值 Values			单位 Unit
			最小 Min.	基本 Typ.	最大 Max.	
工作电压 Supply Voltage	Vs	Operating	3.0	5	18	V
输出电压 Output Voltage	VQ		-	-	18	V
温度 Temperature	Tj		-40	-	150	°C
输出电流 Output Current	IQ		-	-	50	mA
输入电流 Supply Current	Is	B < Brp	-	4	6	mA
反向电池电压 Reverse Battery Voltage	Vrcc		-	-	-0.5	V
输出饱和电压 Output Saturation Voltage	VQSAT	Iout = 10mA, B > Bop	-	0.25	5	V
输出漏电电流 Output Leakage Current	IQLEAK	B < Brp, Vout=18V	-	0.1	1	μA
输出下降时间 Output Fall Time	tf	RL=10KΩ ; CL=20pF	-	-	1	μS
输出上升时间 Output Rise Time	tr		-	-	1	μS

### Wavcform:



## 译码器应用/Using the Encoder :

双通道霍尔编码器可以通过安装在齿轮箱输出轴上的磁铁检测转轴的转数。编码器检测磁盘的旋转, 当同时计算两个通道的两个高低边沿时, 正交编码器提供每转28个计数的分辨率。

A two-channel Hall effect encoder is used to sense the rotation of a magnetic disk on the gearbox output shaft. The encoder board senses the rotation of the magnetic disc and provides a resolution of 28 counts per revolution of the shaft when counting both edges of both channels.

霍尔传感器通过VCC和GND引脚供电。VCC可以是3.0 V至18 V, 正交输出A和B是数字信号, 由传感器驱动为低电平(0 V)或通过10kΩ上拉电阻拉至VCC, 具体取决于所施加的磁场。A和B输出是大约90°异相的方波。传感器的比较器具有内置滞后功能, 可防止电机在转换点附近停止时出现杂散信号。转换频率告诉您减速箱输出轴的速度, 转换顺序告诉您电机的旋向;

The hall sensors are powered through the VCC and GND pins. VCC can be 3.0 V to 18 V, and the quadrature outputs A and B are digital signals that are either driven low (0 V) by the sensors or pulled to VCC through 10 kΩ pull-up resistors, depending on the applied magnetic field. The A and B outputs are square waves approximately 90° out of phase. The sensors' comparators have built-in hysteresis, which prevents spurious signals in cases where the motor stops near a transition point. The frequency of the transitions tells you the speed of the gearbox shaft, and the order of the transitions tells you the direction

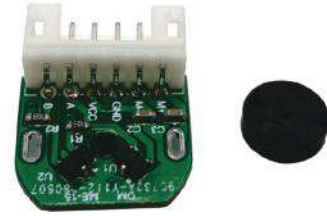
通过计算A和B输出的上升沿和下降沿, 可以在齿轮箱输出轴的每转中获得28个计数。仅使用一个通道的单个边沿, 则可以在齿轮箱输出轴每转中获得7个计数。

By counting both the rising and falling edges of both the A and B outputs, it is possible to get 28 counts per revolution of the gearbox shaft. If using just a single edge of one channel (A or B) results in 7 counts per revolution of the gearbox shaft.

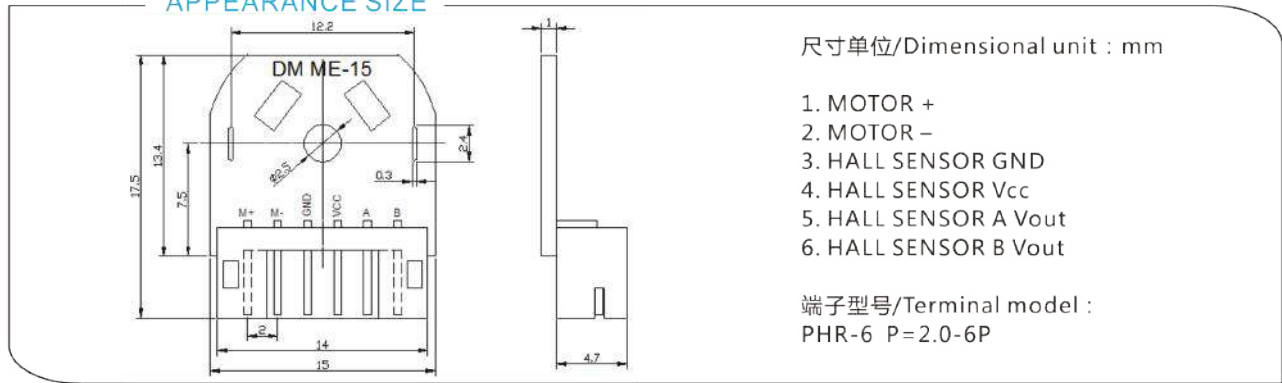
## Dual Channel Hall Encoder

### ME-15

用电机/Applicable motor : 050  
 磁对极数/Magnet poles : 3PPR  
 磁铁尺寸/Magnet size :  $\phi 7.6 \times \phi 1.5 \times 2\text{mm}$



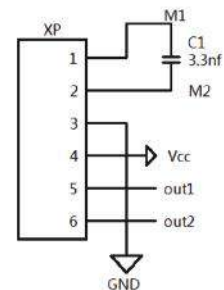
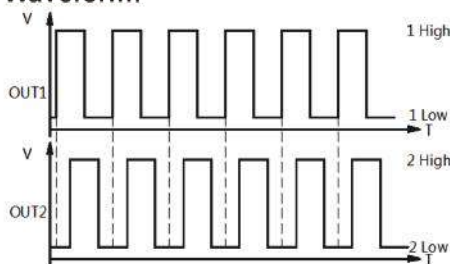
### APPEARANCE SIZE



### Electrical Characteristics:

规格特性 Characteristics	符号 Symbol	测试条件 Test Conditions	值 Values			单位 Unit
			最小 Min.	基本 Typ.	最大 Max.	
工作电压 Supply Voltage	Vs		3.0	-	18	V
输出电压 Output Voltage	VQ		-0.7	-	18	V
温度 Temperature	Tj		-40	-	150	°C
输出电流 Output Current	IQ		0	-	20	mA
输入电流 Supply Current	Is	Vs = 3.0 V ... 18 V	2	4	6	mA
反向电流 Reverse Current	IsR	Vs = - 18 V	0	0.2	1	mA
输出饱和电压 Output Saturation Voltage	VQSAT	IQ = 20 mA	-	0.3	0.6	V
输出漏电电流 Output Leakage Current	IQLEAK	For VQ = 18 V	-	0.05	10	μA
输出下降时间 Output Fall Time	tf	RL = 1.2 kΩ; CL = 50 pF	-	0.02	1	μS
输出上升时间 Output Rise Time	tr		-	0.4	1	μS

### Wavcform:



## 译码器应用/Using the Encoder :

双通道霍尔编码器可以通过安装在电机后出轴上的磁铁检测电机轴转数。编码器板检测磁盘的旋转, 当同时计算两个通道的两个高低边沿时, 正交编码器提供每转12个计数的分辨率。要计算变速箱输出轴的每转计数, 请将齿轮箱减速比乘以12;

A two-channel Hall effect encoder is used to sense the rotation of a magnetic disk on a rear protrusion of the motor shaft. The encoder board senses the rotation of the magnetic disc and provides a resolution of 12 counts per revolution of the motor shaft when counting both edges of both channels. To compute the counts per revolution of the gearbox output shaft, multiply the gear ratio by 12.

霍尔传感器通过VCC和GND引脚供电。VCC可以是3.0 V至18 V, 正交输出A和B是数字信号, 由传感器驱动为低电平(0 V)或通过10kΩ上拉电阻拉至VCC, 具体取决于所施加的磁场。A和B输出是大约90°异相的方波。传感器的比较器具有内置滞后功能, 可防止电机在转换点附近停止时出现杂散信号。转换频率告诉您电机的速度, 转换顺序告诉您电机的旋向;

The hall sensors are powered through the VCC and GND pins. VCC can be 3.0 V to 18 V, and the quadrature outputs A and B are digital signals that are either driven low (0 V) by the sensors or pulled to VCC through 10 kΩ pull-up resistors, depending on the applied magnetic field. The A and B outputs are square waves approximately 90° out of phase. The sensors' comparators have built-in hysteresis, which prevents spurious signals in cases where the motor stops near a transition point. The frequency of the transitions tells you the speed of the motor, and the order of the transitions tells you the direction

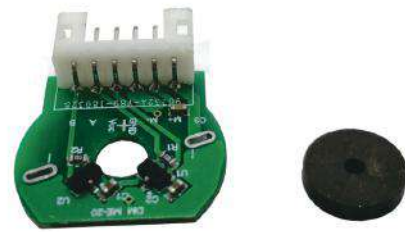
通过计算A和B输出的上升沿和下降沿, 可以在电机轴的每转中获得12个计数。仅使用一个通道的单个边沿, 则可以在电机轴每转中获得3个计数.

By counting both the rising and falling edges of both the A and B outputs, it is possible to get 12 counts per revolution of the motor shaft. If using just a single edge of one channel (A or B) results in 3 counts per revolution of the motor shaft.

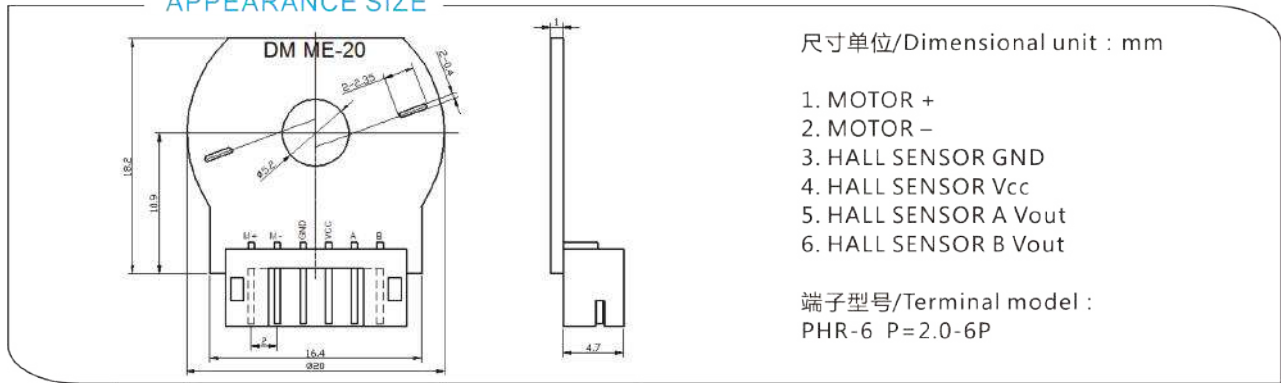
## Dual Channel Hall Encoder

### ME-20

适用电机/Applicable motor : 180、2247  
 磁对极数/Magnet poles : 5PPR  
 磁铁尺寸/Magnet size :  $\phi 9.75 \times \phi 2 \times 2 \text{mm}$



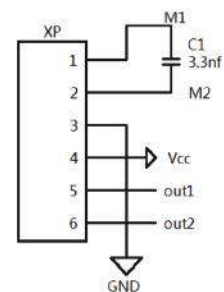
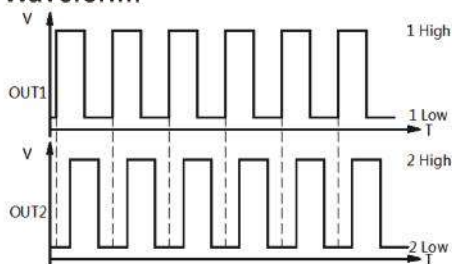
### APPEARANCE SIZE



### Electrical Characteristics:

规格特性 Characteristics	符号 Symbol	测试条件 Test Conditions	值 Values			单位 Unit
			最小 Min.	基本 Typ.	最大 Max.	
工作电压 Supply Voltage	Vs		3.0	-	18	V
输出电压 Output Voltage	VQ		-0.7	-	18	V
温度 Temperature	Tj		-40	-	150	°C
输出电流 Output Current	Iq		0	-	20	mA
输入电流 Supply Current	Is	Vs = 3.0 V ... 18 V	2	4	6	mA
反向电流 Reverse Current	Isr	Vs = - 18 V	0	0.2	1	mA
输出饱和电压 Output Saturation Voltage	VQSAT	Iq = 20 mA	-	0.3	0.6	V
输出漏电电流 Output Leakage Current	IQLEAK	For VQ = 18 V	-	0.05	10	$\mu\text{A}$
输出下降时间 Output Fall Time	tf	RL = 1.2 k $\Omega$ ; CL = 50 pF	-	0.02	1	$\mu\text{S}$
输出上升时间 Output Rise Time	tr		-	0.4	1	$\mu\text{S}$

### Wavcform:



## 译码器应用/Using the Encoder :

双通道霍尔编码器可以通过安装在电机后出轴上的磁铁检测电机轴转数。编码器板检测磁盘的旋转, 当同时计算两个通道的两个高低边沿时, 正交编码器提供每转20个计数的分辨率。要计算变速箱输出轴的每转计数, 请将齿轮箱减速比乘以20;

A two-channel Hall effect encoder is used to sense the rotation of a magnetic disk on a rear protrusion of the motor shaft. The encoder board senses the rotation of the magnetic disc and provides a resolution of 20 counts per revolution of the motor shaft when counting both edges of both channels. To compute the counts per revolution of the gearbox output shaft, multiply the gear ratio by 20.

霍尔传感器通过VCC和GND引脚供电。VCC可以是3.0 V至18 V, 正交输出A和B是数字信号, 由传感器驱动为低电平(0 V)或通过10kΩ上拉电阻拉至VCC, 具体取决于所施加的磁场。A和B输出是大约90°异相的方波。传感器的比较器具有内置滞后功能, 可防止电机在转换点附近停止时出现杂散信号。转换频率告诉您电机的速度, 转换顺序告诉您电机的旋向;

The hall sensors are powered through the VCC and GND pins. VCC can be 3.0 V to 18 V, and the quadrature outputs A and B are digital signals that are either driven low (0 V) by the sensors or pulled to VCC through 10 kΩ pull-up resistors, depending on the applied magnetic field. The A and B outputs are square waves approximately 90° out of phase. The sensors' comparators have built-in hysteresis, which prevents spurious signals in cases where the motor stops near a transition point. The frequency of the transitions tells you the speed of the motor, and the order of the transitions tells you the direction

通过计算A和B输出的上升沿和下降沿, 可以在电机轴的每转中获得20个计数。仅使用一个通道的单个边沿, 则可以在电机轴每转中获得5个计数.

By counting both the rising and falling edges of both the A and B outputs, it is possible to get 20 counts per revolution of the motor shaft. If using just a single edge of one channel (A or B) results in 5 counts per revolution of the motor shaft.



## Dual Channel Hall Encoder

### ME-24

适用电机/Applicable motor : 370  
 磁对极数/Magnet poles : 13PPR  
 磁铁尺寸/Magnet size :  $\phi 14 \times \phi 2 \times 4 \text{mm}$



### APPEARANCE SIZE

尺寸单位/Dimensional unit : mm

- 1. MOTOR + Red
- 2. MOTOR - Black
- 3. HALL SENSOR GND Green
- 4. HALL SENSOR Vcc Blue
- 5. HALL SENSOR A Vout Yellow
- 6. HALL SENSOR B Vout White

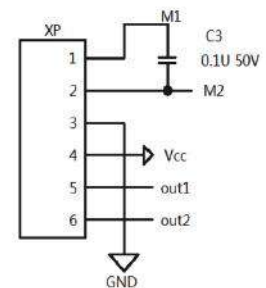
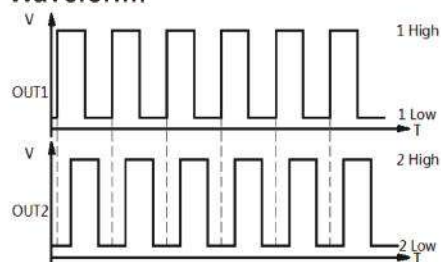
端子型号/Terminal model :  
 PHR-6 P=2.0-6P

红黑绿蓝黄白

### Electrical Characteristics:

规格特性 Characteristics	符号 Symbol	测试条件 Test Conditions	值 Values			单位 Unit
			最小 Min.	基本 Typ.	最大 Max.	
工作电压 Supply Voltage	Vs	Operating	3.0	5	18	V
输出电压 Output Voltage	VQ		-	-	18	V
温度 Temperature	Tj		-40	-	150	°C
输出电流 Output Current	Iq		-	-	50	mA
输入电流 Supply Current	Is	B < Brp	-	4	6	mA
反向电池电压 Reverse Battery Voltage	Vrcc		-	-	-0.5	V
输出饱和电压 Output Saturation Voltage	VQSAT	Iout = 10mA, B > Bop	-	0.25	5	V
输出漏电流 Output Leakage Current	IQLEAK	B < Brp, Vout=18V	-	0.1	1	μA
输出下降时间 Output Fall Time	tf	RL=10KΩ ; CL=20pF	-	-	1	μS
输出上升时间 Output Rise Time	tr		-	-	1	μS

### Wavcform:



## 译码器应用/Using the Encoder :

双通道霍尔编码器可以通过安装在电机后出轴上的磁铁检测电机轴转数。编码器板检测磁盘的旋转, 当同时计算两个通道的两个高低边沿时, 正交编码器提供每转52个计数的分辨率。要计算变速箱输出轴的每转计数, 请将齿轮箱减速比乘以52;

A two-channel Hall effect encoder is used to sense the rotation of a magnetic disk on a rear protrusion of the motor shaft. The encoder board senses the rotation of the magnetic disc and provides a resolution of 52 counts per revolution of the motor shaft when counting both edges of both channels. To compute the counts per revolution of the gearbox output shaft, multiply the gear ratio by 52.

霍尔传感器通过VCC和GND引脚供电。VCC可以是3.0 V至18 V, 正交输出A和B是数字信号, 由传感器驱动为低电平(0 V)或通过10kΩ上拉电阻拉至VCC, 具体取决于所施加的磁场。A和B输出是大约90°异相的方波。传感器的比较器具有内置滞后功能, 可防止电机在转换点附近停止时出现杂散信号。转换频率告诉您电机的速度, 转换顺序告诉您电机的旋向;

The hall sensors are powered through the VCC and GND pins. VCC can be 3.0 V to 18 V, and the quadrature outputs A and B are digital signals that are either driven low (0 V) by the sensors or pulled to VCC through 10 kΩ pull-up resistors, depending on the applied magnetic field. The A and B outputs are square waves approximately 90° out of phase. The sensors' comparators have built-in hysteresis, which prevents spurious signals in cases where the motor stops near a transition point. The frequency of the transitions tells you the speed of the motor, and the order of the transitions tells you the direction

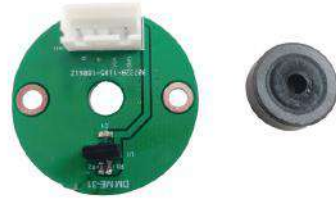
通过计算A和B输出的上升沿和下降沿, 可以在电机轴的每转中获得52个计数。仅使用一个通道的单个边沿, 则可以在电机轴每转中获得13个计数.

By counting both the rising and falling edges of both the A and B outputs, it is possible to get 52 counts per revolution of the motor shaft. If using just a single edge of one channel (A or B) results in 13 counts per revolution of the motor shaft.

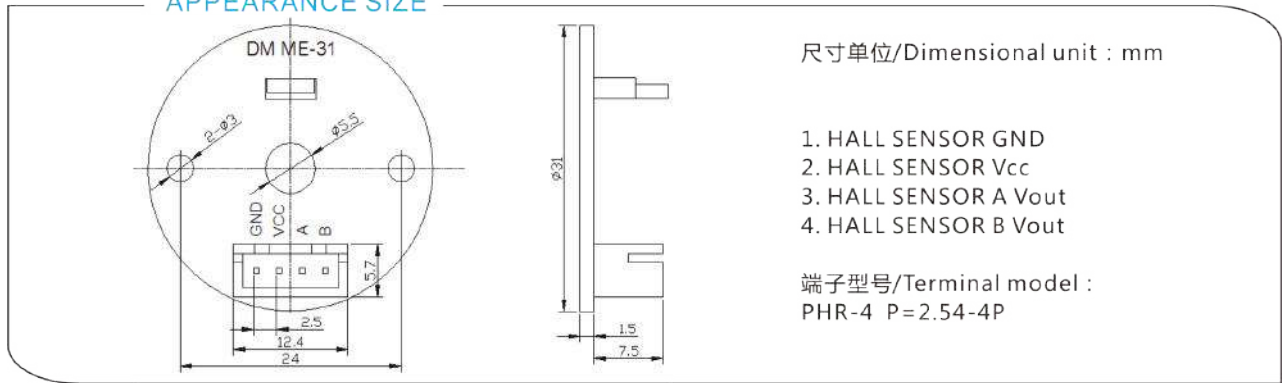
## Dual Channel Hall Encoder

### ME-31

适用电机/Applicable motor : 31ZY  
 磁对极数/Magnet poles : 12PPR  
 磁铁尺寸/Magnet size :  $\phi 14 \times \phi 3 \times 4 \text{mm}$



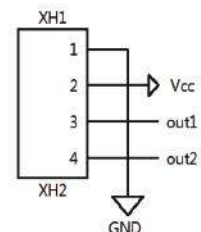
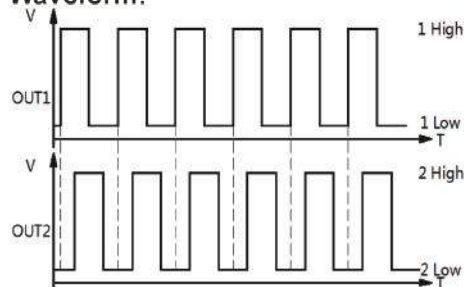
### APPEARANCE SIZE



### Electrical Characteristics:

规格特性 Characteristics	符号 Symbol	测试条件 Test Conditions	值 Values			单位 Unit
			最小 Min.	基本 Typ.	最大 Max.	
工作电压 Supply Voltage	Vs	Operating	3.0	5	18	V
输出电压 Output Voltage	VQ		-	-	18	V
温度 Temperature	Tj		-40	-	150	°C
输出电流 Output Current	Iq		-	-	50	mA
输入电流 Supply Current	Is	B < Brp	-	4	6	mA
反向电池电压 Reverse Battery Voltage	Vrcc		-	-	-0.5	V
输出饱和电压 Output Saturation Voltage	VQSAT	Iout = 10mA, B > Bop	-	0.25	5	V
输出漏电电流 Output Leakage Current	IQLEAK	B < Brp, Vout = 18V	-	0.1	1	μA
输出下降时间 Output Fall Time	tf	RL = 10KΩ ; CL = 20pF	-	-	1	μS
输出上升时间 Output Rise Time	tr		-	-	1	μS

### Wavcform:



## 译码器应用/Using the Encoder :

双通道霍尔编码器可以通过安装在电机后出轴上的磁铁检测电机轴转数。编码器板检测磁盘的旋转, 当同时计算两个通道的两个高低边沿时, 正交编码器提供每转48个计数的分辨率。要计算变速箱输出轴的每转计数, 请将齿轮箱减速比乘以48;

A two-channel Hall effect encoder is used to sense the rotation of a magnetic disk on a rear protrusion of the motor shaft. The encoder board senses the rotation of the magnetic disc and provides a resolution of 48 counts per revolution of the motor shaft when counting both edges of both channels. To compute the counts per revolution of the gearbox output shaft, multiply the gear ratio by 48.

霍尔传感器通过VCC和GND引脚供电。VCC可以是3.0 V至18 V, 正交输出A和B是数字信号, 由传感器驱动为低电平(0 V)或通过10k $\Omega$ 上拉电阻拉至VCC, 具体取决于所施加的磁场。A和B输出是大约90°异相的方波。传感器的比较器具有内置滞后功能, 可防止电机在转换点附近停止时出现杂散信号。转换频率告诉您电机的速度, 转换顺序告诉您电机的旋向;

The hall sensors are powered through the VCC and GND pins. VCC can be 3.0 V to 18 V, and the quadrature outputs A and B are digital signals that are either driven low (0 V) by the sensors or pulled to VCC through 10 k $\Omega$  pull-up resistors, depending on the applied magnetic field. The A and B outputs are square waves approximately 90° out of phase. The sensors' comparators have built-in hysteresis, which prevents spurious signals in cases where the motor stops near a transition point. The frequency of the transitions tells you the speed of the motor, and the order of the transitions tells you the direction

通过计算A和B输出的上升沿和下降沿, 可以在电机轴的每转中获得48个计数。仅使用一个通道的单个边沿, 则可以在电机轴每转中获得12个计数.

By counting both the rising and falling edges of both the A and B outputs, it is possible to get 48 counts per revolution of the motor shaft. If using just a single edge of one channel (A or B) results in 12 counts per revolution of the motor shaft.

## Dual Channel Hall Encoder

### ME-35

适用电机/Applicable motor : 3525、3530、3540、528、385、395

磁对极数/Magnet poles : 13PPR

磁铁尺寸/Magnet size :  $\phi 14 \times \phi 2 \times 2 \text{mm}$      $\phi 14 \times \phi 2.3 \times 2 \text{mm}$



### APPEARANCE SIZE

尺寸单位/Dimensional unit : mm

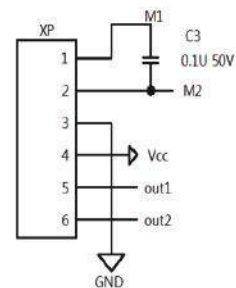
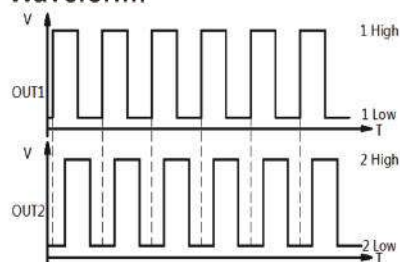
1. MOTOR +	Red
2. MOTOR -	Black
3. HALL SENSOR GND	Green
4. HALL SENSOR Vcc	Blue
5. HALL SENSOR A Vout	Yellow
6. HALL SENSOR B Vout	White

端子型号/Terminal model :  
PHR-6 P=2.0-6P

### Electrical Characteristics:

规格特性 Characteristics	符号 Symbol	测试条件 Test Conditions	值 Values			单位 Unit
			最小 Min.	基本 Typ.	最大 Max.	
工作电压 Supply Voltage	Vs	Operating	3.0	5	18	V
输出电压 Output Voltage	VQ		-	-	18	V
温度 Temperature	Tj		-40	-	150	°C
输出电流 Output Current	IQ		-	-	50	mA
输入电流 Supply Current	Is	B < Brp	-	4	6	mA
反向电池电压 Reverse Battery Voltage	Vrcc		-	-	-0.5	V
输出饱和电压 Output Saturation Voltage	VQSAT	Iout = 10mA, B > Bop	-	0.25	5	V
输出漏电流 Output Leakage Current	IQLEAK	B < Brp, Vout=18V	-	0.1	1	μA
输出下降时间 Output Fall Time	tf	RL=10KΩ ; CL=20pF	-	-	1	μS
输出上升时间 Output Rise Time	tr		-	-	1	μS

### Wavcform:



## 译码器应用/Using the Encoder :

双通道霍尔编码器可以通过安装在电机后出轴上的磁铁检测电机轴转数。编码器板检测磁盘的旋转, 当同时计算两个通道的两个高低边沿时, 正交编码器提供每转52个计数的分辨率。要计算变速箱输出轴的每转计数, 请将齿轮箱减速比乘以52 ;

A two-channel Hall effect encoder is used to sense the rotation of a magnetic disk on a rear protrusion of the motor shaft. The encoder board senses the rotation of the magnetic disc and provides a resolution of 52 counts per revolution of the motor shaft when counting both edges of both channels. To compute the counts per revolution of the gearbox output shaft, multiply the gear ratio by 52.

霍尔传感器通过VCC和GND引脚供电。VCC可以是3.0 V至18 V, 正交输出A和B是数字信号, 由传感器驱动为低电平(0 V)或通过10k $\Omega$ 上拉电阻拉至VCC, 具体取决于所施加的磁场。A和B输出是大约90°异相的方波。传感器的比较器具有内置滞后功能, 可防止电机在转换点附近停止时出现杂散信号。转换频率告诉您电机的速度, 转换顺序告诉您电机的旋向;

The hall sensors are powered through the VCC and GND pins. VCC can be 3.0 V to 18 V, and the quadrature outputs A and B are digital signals that are either driven low (0 V) by the sensors or pulled to VCC through 10 k $\Omega$  pull-up resistors, depending on the applied magnetic field. The A and B outputs are square waves approximately 90° out of phase. The sensors' comparators have built-in hysteresis, which prevents spurious signals in cases where the motor stops near a transition point. The frequency of the transitions tells you the speed of the motor, and the order of the transitions tells you the direction

通过计算A和B输出的上升沿和下降沿, 可以在电机轴的每转中获得52个计数。仅使用一个通道的单个边沿, 则可以在电机轴每转中获得13个计数.

By counting both the rising and falling edges of both the A and B outputs, it is possible to get 52 counts per revolution of the motor shaft. If using just a single edge of one channel (A or B) results in 13 counts per revolution of the motor shaft.

## Dual Channel Hall Encoder

### ME-36

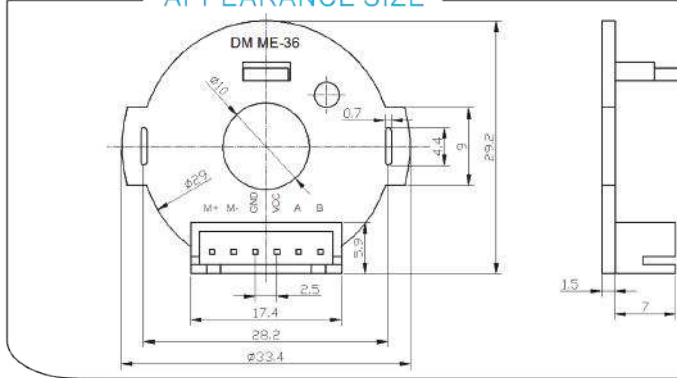
适用电机/Applicable motor : 540、545、550、555

磁对极数/Magnet poles: 13PPR

磁铁尺寸/Magnet size :  $\phi 14 \times \phi 3.175 \times 4\text{mm}$



### APPEARANCE SIZE



尺寸单位/Dimensional unit : mm

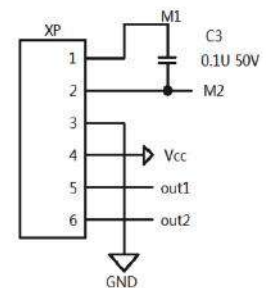
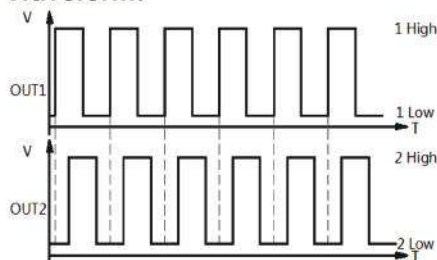
1. MOTOR +
2. MOTOR -
3. HALL SENSOR GND
4. HALL SENSOR Vcc
5. HALL SENSOR A Vout
6. HALL SENSOR B Vout

端子型号/Terminal model :  
PHR-6 P=2.54-6P

### Electrical Characteristics:

规格特性 Characteristics	符号 Symbol	测试条件 Test Conditions	值 Values			单位 Unit
			最小 Min.	基本 Typ.	最大 Max.	
工作电压 Supply Voltage	Vs	Operating	3.0	5	18	V
输出电压 Output Voltage	VQ		-	-	18	V
温度 Temperature	Tj		-40	-	150	°C
输出电流 Output Current	IQ		-	-	50	mA
输入电流 Supply Current	Is	B < Brp	-	4	6	mA
反向电池电压 Reverse Battery Voltage	Vrcc		-	-	-0.5	V
输出饱和电压 Output Saturation Voltage	VQSAT	Iout = 10mA, B > Bop	-	0.25	5	V
输出漏电电流 Output Leakage Current	IQLEAK	B < Brp, Vout=18V	-	0.1	1	μA
输出下降时间 Output Fall Time	tf	RL = 10KΩ ; CL = 20pF	-	-	1	μS
输出上升时间 Output Rise Time	tr		-	-	1	μS

### Wavcform:



## 译码器应用/Using the Encoder :

双通道霍尔编码器可以通过安装在电机后出轴上的磁铁检测电机轴转数。编码器板检测磁盘的旋转, 当同时计算两个通道的两个高低边沿时, 正交编码器提供每转52个计数的分辨率。要计算变速箱输出轴的每转计数, 请将齿轮箱减速比乘以52 ;

A two-channel Hall effect encoder is used to sense the rotation of a magnetic disk on a rear protrusion of the motor shaft. The encoder board senses the rotation of the magnetic disc and provides a resolution of 52 counts per revolution of the motor shaft when counting both edges of both channels. To compute the counts per revolution of the gearbox output shaft, multiply the gear ratio by 52.

霍尔传感器通过VCC和GND引脚供电。VCC可以是3.0 V至18 V, 正交输出A和B是数字信号, 由传感器驱动为低电平(0 V)或通过10k $\Omega$ 上拉电阻拉至VCC, 具体取决于所施加的磁场。A和B输出是大约90°异相的方波。传感器的比较器具有内置滞后功能, 可防止电机在转换点附近停止时出现杂散信号。转换频率告诉您电机的速度, 转换顺序告诉您电机的旋向;

The hall sensors are powered through the VCC and GND pins. VCC can be 3.0 V to 18 V, and the quadrature outputs A and B are digital signals that are either driven low (0 V) by the sensors or pulled to VCC through 10 k $\Omega$  pull-up resistors, depending on the applied magnetic field. The A and B outputs are square waves approximately 90° out of phase. The sensors' comparators have built-in hysteresis, which prevents spurious signals in cases where the motor stops near a transition point. The frequency of the transitions tells you the speed of the motor, and the order of the transitions tells you the direction

通过计算A和B输出的上升沿和下降沿, 可以在电机轴的每转中获得52个计数。仅使用一个通道的单个边沿, 则可以在电机轴每转中获得13个计数。

By counting both the rising and falling edges of both the A and B outputs, it is possible to get 52 counts per revolution of the motor shaft. If using just a single edge of one channel (A or B) results in 13 counts per revolution of the motor shaft.



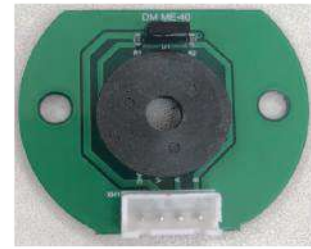
## Dual Channel Hall Encoder

### ME-40

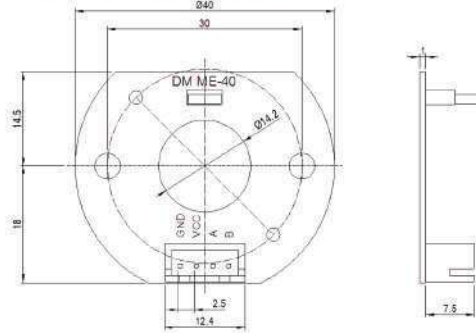
适用电机/Applicable motor : BL4260、BL4275

磁对极数/Magnet poles : 16PPR

磁铁尺寸/Magnet size :  $\phi 18 \times \phi 5 \times 4 \text{mm}$



### APPEARANCE SIZE



尺寸单位/Dimensional unit : mm

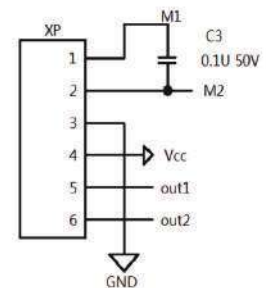
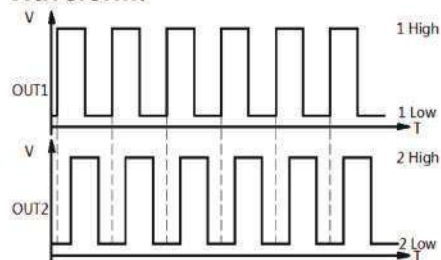
1. HALL SENSOR GND
2. HALL SENSOR Vcc
3. HALL SENSOR A Vout
4. HALL SENSOR B Vout

端子型号/Terminal model :  
PHR-6 P=2.54-4P

### Electrical Characteristics:

规格特性 Characteristics	符号 Symbol	测试条件 Test Conditions	值 Values			单位 Unit
			最小 Min.	基本 Typ.	最大 Max.	
工作电压 Supply Voltage	Vs	Operating	3.0	5	18	V
输出电压 Output Voltage	VQ		-	-	18	V
温度 Temperature	Tj		-40	-	150	°C
输出电流 Output Current	IQ		-	-	50	mA
输入电流 Supply Current	Is	B < Brp	-	4	6	mA
反向电池电压 Reverse Battery Voltage	Vrcc		-	-	-0.5	V
输出饱和电压 Output Saturation Voltage	VQSAT	Iout = 10mA, B > Bop	-	0.25	5	V
输出漏电电流 Output Leakage Current	IQLEAK	B < Brp, Vout = 18V	-	0.1	1	μA
输出下降时间 Output Fall Time	tf	RL = 10KΩ ; CL = 20pF	-	-	1	μS
输出上升时间 Output Rise Time	tr		-	-	1	μS

### Wavcform:



## 译码器应用/Using the Encoder :

双通道霍尔编码器可以通过安装在电机后出轴上的磁铁检测电机轴转数。编码器板检测磁盘的旋转, 当同时计算两个通道的两个高低边沿时, 正交编码器提供每转64个计数的分辨率。要计算变速箱输出轴的每转计数, 请将齿轮箱减速比乘以64;

A two-channel Hall effect encoder is used to sense the rotation of a magnetic disk on a rear protrusion of the motor shaft. The encoder board senses the rotation of the magnetic disc and provides a resolution of 64 counts per revolution of the motor shaft when counting both edges of both channels. To compute the counts per revolution of the gearbox output shaft, multiply the gear ratio by 64.

霍尔传感器通过VCC和GND引脚供电。VCC可以是3.0 V至18 V, 正交输出A和B是数字信号, 由传感器驱动为低电平(0 V)或通过10kΩ上拉电阻拉至VCC, 具体取决于所施加的磁场。A和B输出是大约90°异相的方波。传感器的比较器具有内置滞后功能, 可防止电机在转换点附近停止时出现杂散信号。转换频率告诉您电机的速度, 转换顺序告诉您电机的旋向;

The hall sensors are powered through the VCC and GND pins. VCC can be 3.0 V to 18 V, and the quadrature outputs A and B are digital signals that are either driven low (0 V) by the sensors or pulled to VCC through 10 kΩ pull-up resistors, depending on the applied magnetic field. The A and B outputs are square waves approximately 90° out of phase. The sensors' comparators have built-in hysteresis, which prevents spurious signals in cases where the motor stops near a transition point. The frequency of the transitions tells you the speed of the motor, and the order of the transitions tells you the direction

通过计算A和B输出的上升沿和下降沿, 可以在电机轴的每转中获得64个计数。仅使用一个通道的单个边沿, 则可以在电机轴每转中获得16个计数。

By counting both the rising and falling edges of both the A and B outputs, it is possible to get 64 counts per revolution of the motor shaft. If using just a single edge of one channel (A or B) results in 16 counts per revolution of the motor shaft.

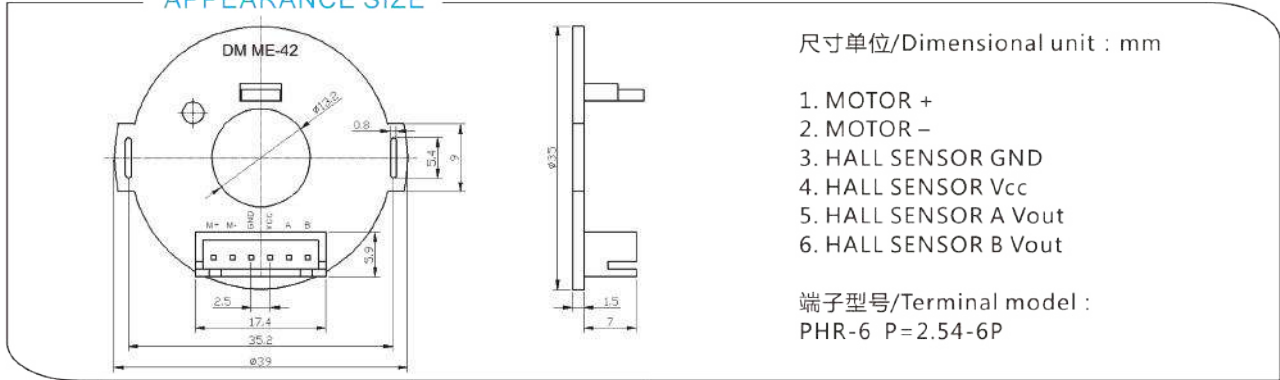
## Dual Channel Hall Encoder

### ME-42

适用电机/Applicable motor : 775  
 磁对极数/Magnet poles : 13PPR  
 磁铁尺寸/Magnet size :  $\phi 14 \times \phi 5 \times 4 \text{mm}$



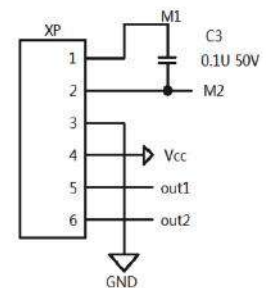
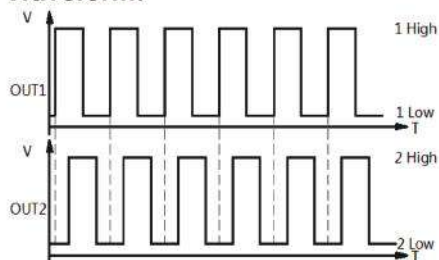
### APPEARANCE SIZE



### Electrical Characteristics:

规格特性 Characteristics	符号 Symbol	测试条件 Test Conditions	值 Values			单位 Unit
			最小 Min.	基本 Typ.	最大 Max.	
工作电压 Supply Voltage	V <sub>s</sub>	Operating	3.0	5	18	V
输出电压 Output Voltage	V <sub>Q</sub>		-	-	18	V
温度 Temperature	T <sub>j</sub>		-40	-	150	°C
输出电流 Output Current	I <sub>Q</sub>		-	-	50	mA
输入电流 Supply Current	I <sub>s</sub>	B < Brp	-	4	6	mA
反向电池电压 Reverse Battery Voltage	V <sub>rcc</sub>		-	-	-0.5	V
输出饱和电压 Output Saturation Voltage	V <sub>QSAT</sub>	I <sub>out</sub> = 10mA, B > Bop	-	0.25	5	V
输出漏电流 Output Leakage Current	I <sub>QLEAK</sub>	B < Brp, V <sub>out</sub> = 18V	-	0.1	1	μA
输出下降时间 Output Fall Time	t <sub>f</sub>	R <sub>L</sub> = 10KΩ ; C <sub>L</sub> = 20pF	-	-	1	μS
输出上升时间 Output Rise Time	t <sub>r</sub>		-	-	1	μS

### Wavcform:



## 译码器应用/Using the Encoder :

双通道霍尔编码器可以通过安装在电机后出轴上的磁铁检测电机轴转数。编码器板检测磁盘的旋转, 当同时计算两个通道的两个高低边沿时, 正交编码器提供每转52个计数的分辨率。要计算变速箱输出轴的每转计数, 请将齿轮箱减速比乘以52;

A two-channel Hall effect encoder is used to sense the rotation of a magnetic disk on a rear protrusion of the motor shaft. The encoder board senses the rotation of the magnetic disc and provides a resolution of 52 counts per revolution of the motor shaft when counting both edges of both channels. To compute the counts per revolution of the gearbox output shaft, multiply the gear ratio by 52.

霍尔传感器通过VCC和GND引脚供电。VCC可以是3.0 V至18 V, 正交输出A和B是数字信号, 由传感器驱动为低电平(0 V)或通过10k $\Omega$ 上拉电阻拉至VCC, 具体取决于所施加的磁场。A和B输出是大约90°异相的方波。传感器的比较器具有内置滞后功能, 可防止电机在转换点附近停止时出现杂散信号。转换频率告诉您电机的速度, 转换顺序告诉您电机的旋向;

The hall sensors are powered through the VCC and GND pins. VCC can be 3.0 V to 18 V, and the quadrature outputs A and B are digital signals that are either driven low (0 V) by the sensors or pulled to VCC through 10 k $\Omega$  pull-up resistors, depending on the applied magnetic field. The A and B outputs are square waves approximately 90° out of phase. The sensors' comparators have built-in hysteresis, which prevents spurious signals in cases where the motor stops near a transition point. The frequency of the transitions tells you the speed of the motor, and the order of the transitions tells you the direction

通过计算A和B输出的上升沿和下降沿, 可以在电机轴的每转中获得52个计数。仅使用一个通道的单个边沿, 则可以在电机轴每转中获得13个计数。

By counting both the rising and falling edges of both the A and B outputs, it is possible to get 52 counts per revolution of the motor shaft. If using just a single edge of one channel (A or B) results in 13 counts per revolution of the motor shaft.