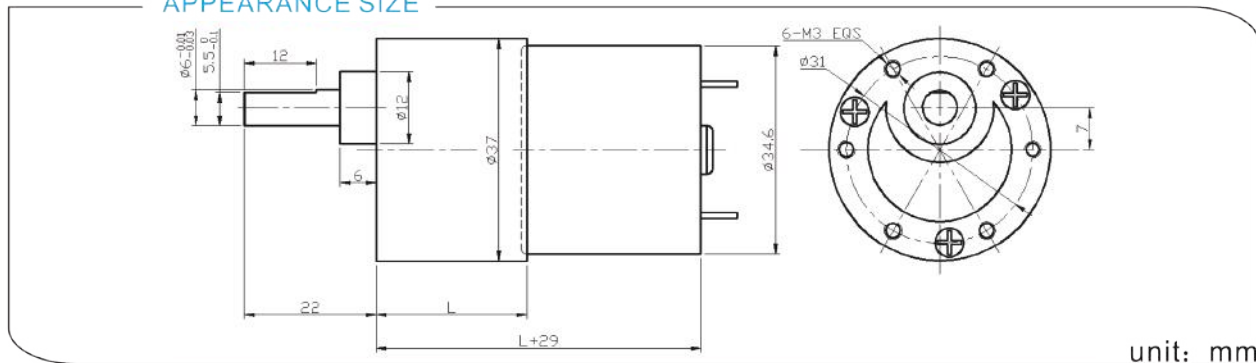


## DC SPUR GEAR MOTOR DM-37RS3530

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 $\eta$	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> )	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\* $\eta$ )