

DC SPUR GEAR MOTOR DM-37RS545

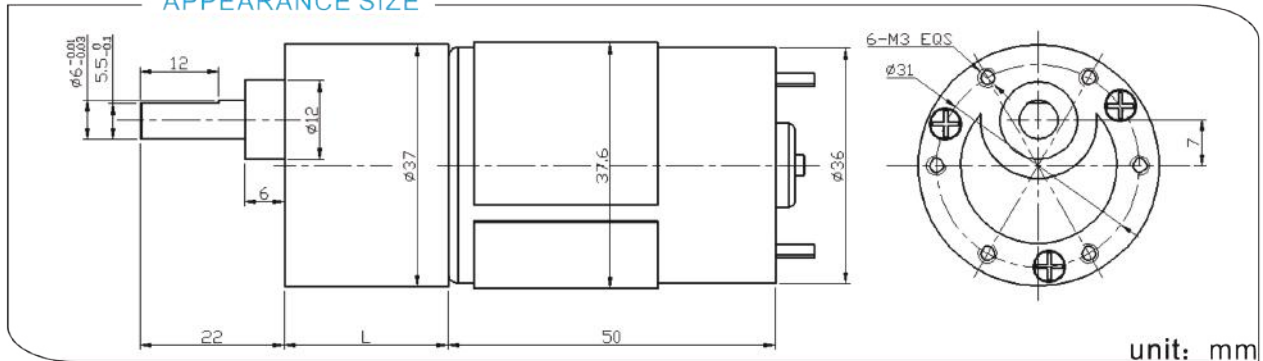
典型应用/Typical applications :

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



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 _m)	扭矩 (t _m)	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_m/i)

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