

DC SPUR GEAR MOTOR DM-37RS520

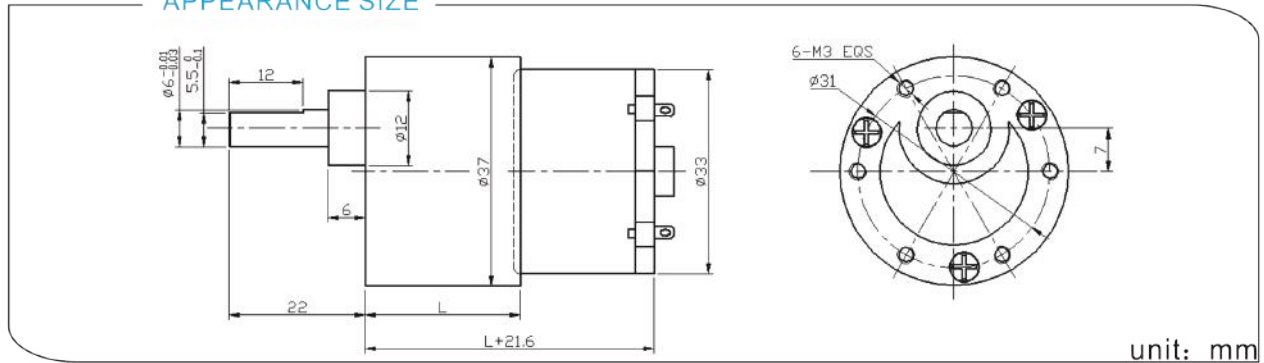
典型应用/Typical applications :

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 _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-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_m/i)

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