

DC BRUSHLESS PLANETARY GEAR MOTOR

DM-52PBL5067

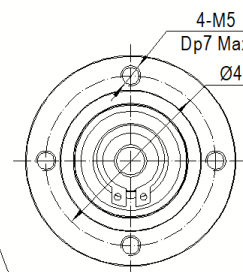
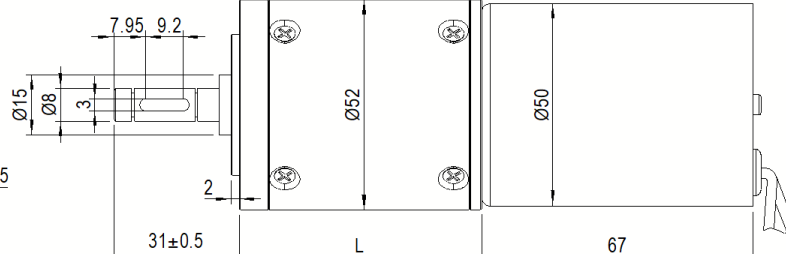
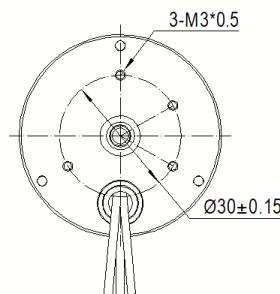
典型应用/Typical applications :

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

No.	Pin Arrangement
1	BRAKE
2	FG
3	CW/CCW
4	PWM
5	GND
6	VCC

Gearbox Data :

Number of stages	1	2	3	4
Reduction Ratio i	3.7、5	13、18、25	49、67、92、125	181、246、336、458、625
Gearbox Length L (mm)	39.2	49.6	60	70.4
Breaking Torque (kgf.cm)	40	60	80	100
Gearbox Efficiency η	90%	81%	73%	65%

BLDC Motor Data :

DC Motor Model	Rated	No load		Max efficiency load				Stall	
	Volt.	Current	Speed	Current	Speed (n _m)	Torque (t _m)	P.out	Torque	Current
	V	A	r/min	A	r/min	g.cm	W	g.cm	A
DM-BL5067-012-3000	12	≤0.32	3000	≤2.9	2637	900	24.5	≥6000	≥13.5
DM-BL5067-012-6000	12	≤0.82	6000	≤7.3	5400	1066	59.1	≥6000	≥24.0
DM-BL5067-024-3000	24	≤0.22	3000	≤1.6	2610	976	26.4	≥7900	≥8.5
DM-BL5067-024-6000	24	≤0.45	6000	≤4.0	5412	1175	65.4	≥8200	≥30.0

BLDC Geared Motor Data :

Gear Motor Model	Rated	No load		Max efficiency load				Stall	
	Volt.	Current	Speed	Current	Speed (n)	Torque (t)	P.out	Torque	Current
	V	A	r/min	A	r/min	N.m	W	N.m	A
DM-52PBL5067-0123000-3.7K	12	0.3	767.3	3.6	608.1	0.42	26.7	2.0	16.0
DM-52PBL5067-0123000-5K	12	0.3	571.8	3.6	450.0	0.58	27.2	2.7	16.0
DM-52PBL5067-0123000-13K	12	0.4	201.8	2.8	173.1	0.88	16.0	5.8	16.0
DM-52PBL5067-0123000-18K	12	0.4	156.2	3.4	125.2	1.70	22.2	8.5	16.0
DM-52PBL5067-0123000-25K	12	0.4	112.6	3.1	90.0	1.98	18.6	9.9	16.0
DM-52PBL5067-0123000-49K	12	0.5	58.0	3.3	45.9	4.04	19.4	19.0	16.0
DM-52PBL5067-0123000-67K	12	0.5	41.7	3.2	33.6	4.72	16.7	24.3	16.0
DM-52PBL5067-0123000-92K	12	0.5	30.6	3.5	24.2	7.40	18.8	35.7	16.0
DM-52PBL5067-0123000-125K	12	0.5	21.4	2.8	18.3	7.52	14.4	51.7	16.0
DM-52PBL5067-0123000-181K	12	0.5	15.4	3.0	12.7	10.5	13.9	58.6	16.0
DM-52PBL5067-0123000-246K	12	0.5	11.9	4.1	9.3	19.9	19.4	91.0	16.0
DM-52PBL5067-0123000-336K	12	0.5	8.4	3.3	6.7	21.9	15.4	108.0	16.0
DM-52PBL5067-0123000-458K	12	0.5	5.9	3.1	4.9	29.2	15.0	145.0	16.0
DM-52PBL5067-0123000-625K	12	0.5	4.6	3.0	3.6	37.1	14.1	177.0	16.0

DM-52PBL5067-0126000-3.7K	12	1.3	1544.5	6.5	1216.2	0.35	44.4	1.6	25.0
DM-52PBL5067-0126000-5K	12	1.3	1139.6	7.2	900.0	0.58	54.3	2.7	25.0
DM-52PBL5067-0126000-13K	12	1.3	404.8	5.1	343.4	0.72	25.7	4.7	25.0
DM-52PBL5067-0126000-18K	12	1.3	317.6	6.7	246.4	1.50	38.6	6.7	25.0
DM-52PBL5067-0126000-25K	12	1.3	228.8	6.1	181.8	1.91	36.4	9.3	25.0
DM-52PBL5067-0126000-49K	12	1.3	114.5	6.1	91.4	3.60	34.5	17.8	25.0
DM-52PBL5067-0126000-67K	12	1.3	87.4	6.9	66.8	5.19	36.3	22.0	25.0
DM-52PBL5067-0126000-92K	12	1.3	60.9	6.9	48.2	6.67	33.6	32.0	25.0
DM-52PBL5067-0126000-125K	12	1.3	42.8	5.3	36.5	6.82	26.1	46.6	25.0
DM-52PBL5067-0126000-181K	12	1.5	31.1	5.9	25.4	10.73	28.5	58.9	25.0
DM-52PBL5067-0126000-246K	12	1.5	23.0	6.0	18.4	13.89	26.7	68.8	25.0
DM-52PBL5067-0126000-336K	12	1.5	17.1	6.2	13.5	17.07	24.2	81.1	25.0
DM-52PBL5067-0126000-458K	12	1.5	12.7	6.2	9.7	26.58	27.0	113.9	25.0
DM-52PBL5067-0126000-625K	12	1.5	9.0	6.4	7.3	38.42	29.3	203.0	25.0
DM-52PBL5067-0243000-3.7K	24	0.2	814.0	2.9	608.1	0.67	42.8	2.7	10.5
DM-52PBL5067-0243000-5K	24	0.2	598.9	2.9	450.0	0.91	42.6	3.6	10.5
DM-52PBL5067-0243000-13K	24	0.3	215.6	2.4	173.9	1.62	29.6	8.9	10.5
DM-52PBL5067-0243000-18K	24	0.3	164.0	2.7	126.3	2.46	32.6	11.5	10.5
DM-52PBL5067-0243000-25K	24	0.3	120.9	3.0	89.4	3.91	36.6	15.4	10.5
DM-52PBL5067-0243000-49K	24	0.3	59.5	2.8	46.0	7.05	34.0	31.0	10.5
DM-52PBL5067-0243000-67K	24	0.3	44.2	3.1	33.3	8.83	30.8	35.8	10.5
DM-52PBL5067-0243000-92K	24	0.3	32.2	2.8	24.9	11.48	29.9	50.1	10.5
DM-52PBL5067-0243000-125K	24	0.3	23.9	2.7	18.3	15.09	28.8	64.1	10.5
DM-52PBL5067-0243000-181K	24	0.4	16.4	2.7	12.6	19.55	25.7	82.7	10.5
DM-52PBL5067-0243000-246K	24	0.4	12.1	2.8	9.1	28.82	27.5	117.8	10.5
DM-52PBL5067-0243000-336K	24	0.4	8.9	2.8	6.7	36.34	25.4	146.0	10.5
DM-52PBL5067-0243000-458K	24	0.4	6.6	2.5	5.0	46.13	24.3	196.0	10.5
DM-52PBL5067-0243000-625K	24	0.4	4.7	2.5	3.6	62.94	23.5	273.0	10.5
DM-52PBL5067-0246000-3.7K	24	0.6	1543.9	7.8	1216.2	0.94	120.2	4.4	33.0
DM-52PBL5067-0246000-5K	24	0.6	1151.6	8.0	900.0	1.25	117.4	5.7	33.0
DM-52PBL5067-0246000-13K	24	0.7	427.2	7.2	346.2	2.53	91.6	14.6	33.0
DM-52PBL5067-0246000-18K	24	0.7	312.3	7.1	250.0	3.50	91.4	17.5	33.0
DM-52PBL5067-0246000-25K	24	0.7	229.8	7.4	182.4	5.02	95.9	24.6	33.0
DM-52PBL5067-0246000-49K	24	0.7	117.2	8.3	90.2	10.24	96.7	46.8	33.0
DM-52PBL5067-0246000-67K	24	0.7	86.2	7.8	68.1	11.88	84.8	56.6	33.0
DM-52PBL5067-0246000-92K	24	0.7	63.0	8.0	48.7	16.98	86.5	78.0	33.0
DM-52PBL5067-0246000-125K	24	0.7	45.7	8.2	35.5	23.96	89.0	107.0	33.0
DM-52PBL5067-0246000-181K	24	0.8	31.4	8.8	25.2	31.55	83.3	159.0	33.0
DM-52PBL5067-0246000-246K	24	0.8	23.5	7.5	18.2	37.16	70.8	165.0	33.0
DM-52PBL5067-0246000-336K	24	0.8	16.9	8.3	13.6	52.18	74.4	272.0	33.0
DM-52PBL5067-0246000-458K	24	0.8	12.6	7.0	9.8	65.34	66.8	293.0	33.0
DM-52PBL5067-0246000-625K	24	0.8	9.2	8.0	7.2	109.92	82.3	492.0	33.0

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 datas;
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）