

DC BRUSHLESS PLANETARY GEAR MOTOR

DM-36PBL3657

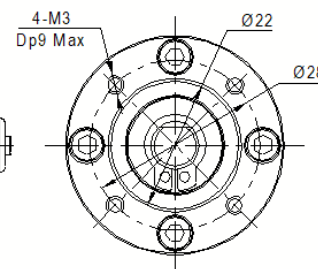
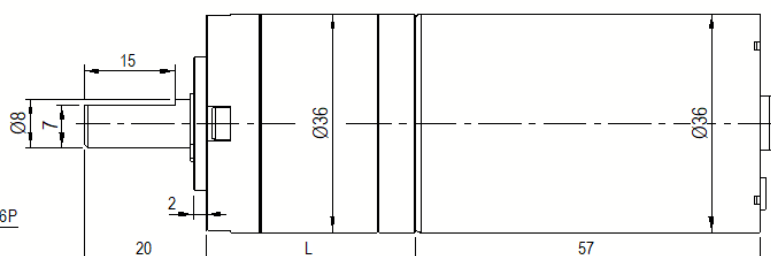
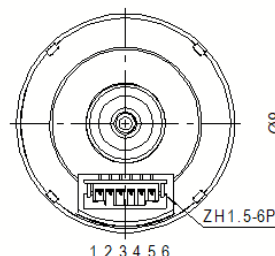
典型应用/Typical Applications :

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

Pin	Func.	Color/Specs	Details			
1	BR	White 24AWG UL1571	IN	VIH 1.8V~5.5V VIL 0V~1.0V	Running at VIH(no connection) Brake at VIL	
2	FG	Green 24AWG UL1571	OUT	Read the motor output frequency through this pin, calculate the motor rear speed (n=60*f/p)		
3	F/R	Yellow 24AWG UL1571	IN	VIH 2.0V MIN. VIL 0.5V MAX.	C.C.W (No connection) C.W (connect ground)	
4	PWM	Blue 24AWG UL1571		Input frequency: 20~30KHz VIH 1.8V~5.5V VIL 0V~1.65V full speed when connect grounding Hysteresis Width 0.3V~0.4V High-Level Input Current 65uA MAX(PWM IN 5V) Low-Level Input Current -65uA~-95uA(PWM IN 0V)		
5	GND	Black 24AWG UL1571		Power Supply "+"		
6	VCC	Red 24AWG UL1571		Power Supply "-"		

Gearbox Data :

Number of stages	1	2	3	4	5
Reduction Ratio i	3.7、5.2	14、19、27	51、71、100、139	189、264、369、515、721	977、1367、1910
Gearbox Length L (mm)	26.5	34.7	42.9	51.1	59.3
Breaking Torque (kgf.cm)	10	18	40	50	60
Gearbox Efficiency η	90%	81%	73%	65%	59%

DC 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	mA	r/min	mA	r/min	g.cm	W	g.cm	mA
DM-BL3657-012-3000	12	≤210	3000	≤1100	2770	268.2	7.7	≥1500	≥2800
DM-BL3657-012-4500	12	≤280	4500	≤1550	3846	278.5	11.0	≥1600	≥6000
DM-BL3657-012-5800	12	≤450	5800	≤3000	5126	310.0	16.3	≥1700	≥9000
DM-BL3657-024-3000	24	≤120	3000	≤590	2655	307.8	8.4	≥1600	≥2000
DM-BL3657-024-4500	24	≤280	4500	≤870	3780	314.7	12.2	≥1680	≥3000
DM-BL3657-024-6000	24	≤220	6000	≤1150	5117	304.5	16.0	≥1700	≥4400

DC 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-36PBL3657-0123000-3.7K	12	0.2	864.0	1.3	608.1	0.12	7.8	0.4	3.5
DM-36PBL3657-0123000-5.2K	12	0.2	640.3	1.4	430.4	0.19	8.5	0.6	3.5
DM-36PBL3657-0123000-14K	12	0.2	231.9	1.3	158.6	0.42	7.1	1.3	3.5
DM-36PBL3657-0123000-19K	12	0.2	174.2	1.3	118.5	0.59	7.3	1.7	3.5
DM-36PBL3657-0123000-27K	12	0.2	123.3	1.4	83.0	0.86	7.5	2.6	3.5
DM-36PBL3657-0123000-51K	12	0.2	63.9	1.2	45.0	1.33	6.3	4.5	3.5
DM-36PBL3657-0123000-71K	12	0.2	47.7	1.4	31.6	2.07	6.9	6.2	3.5
DM-36PBL3657-0123000-100K	12	0.2	34.1	1.4	21.9	3.08	7.1	8.6	3.5
DM-36PBL3657-0123000-139K	12	0.2	24.1	1.4	15.9	3.94	6.6	11.5	3.5
DM-36PBL3657-0123000-189K	12	0.2	17.8	1.3	11.7	4.40	5.4	12.7	3.5
DM-36PBL3657-0123000-264K	12	0.2	13.0	1.4	8.4	6.77	6.0	19.4	3.5
DM-36PBL3657-0123000-369K	12	0.2	9.2	1.3	6.2	8.38	5.4	25.4	3.5
DM-36PBL3657-0123000-515K	12	0.2	6.4	1.3	4.4	11.27	5.1	35.2	3.5
DM-36PBL3657-0123000-721K	12	0.2	4.7	1.3	3.1	13.09	4.3	39.6	3.5

DM-36PBL36570124500-3.7K	12	0.3	1218.3	2.3	912.2	0.17	16.1	0.7	7.0
DM-36PBL3657-0124500-5.2K	12	0.3	880.3	2.1	649.0	0.22	15.1	0.8	7.0
DM-36PBL3657-0124500-14K	12	0.3	333.1	2.3	243.9	0.56	14.4	2.1	7.0
DM-36PBL3657-0124500-19K	12	0.3	236.9	2.1	177.8	0.72	13.4	2.9	7.0
DM-36PBL3657-0124500-27K	12	0.3	168.5	2.2	124.3	1.07	14.0	4.1	7.0
DM-36PBL3657-0124500-51K	12	0.3	91.4	2.4	64.7	2.10	14.2	7.2	7.0
DM-36PBL3657-0124500-71K	12	0.3	65.2	2.1	47.7	2.53	12.7	9.5	7.0
DM-36PBL3657-0124500-100K	12	0.3	45.9	2.0	34.6	3.29	11.9	13.4	7.0
DM-36PBL3657-0124500-139K	12	0.3	33.4	2.0	25.0	4.75	12.4	18.9	7.0
DM-36PBL3657-0124500-189K	12	0.3	24.5	2.3	17.9	5.99	11.2	22.2	7.0
DM-36PBL3657-0124500-264K	12	0.3	17.4	2.0	13.0	7.49	10.2	29.8	7.0
DM-36PBL3657-0124500-369K	12	0.3	12.4	2.2	8.9	10.60	9.9	38.1	7.0
DM-36PBL3657-0124500-515K	12	0.3	8.7	2.0	6.7	11.45	8.0	50.0	7.0
DM-36PBL3657-0124500-721K	12	0.3	6.1	2.1	4.7	17.2	8.4	73.9	7.0
DM-36PBL3657-0125800-3.7K	12	0.4	1608.5	3.2	1216.2	0.19	24.7	0.8	10.0
DM-36PBL3657-0125800-5.2K	12	0.4	1161.7	3.4	856.4	0.28	24.7	1.1	10.0
DM-36PBL3657-0125800-14K	12	0.4	429.1	3.5	316.9	0.67	22.1	2.5	10.0
DM-36PBL3657-0125800-19K	12	0.5	312.6	3.2	236.8	0.86	21.3	3.5	10.0
DM-36PBL3657-0125800-27K	12	0.5	224.9	3.2	167.7	1.22	21.5	4.8	10.0
DM-36PBL3657-0125800-51K	12	0.5	117.5	3.1	88.2	1.87	17.3	8.0	10.0
DM-36PBL3657-0125800-71K	12	0.5	85.8	3.3	63.1	3.02	19.9	11.4	10.0
DM-36PBL3657-0125800-100K	12	0.5	62.0	2.9	45.3	3.74	17.8	13.9	10.0
DM-36PBL3657-0125800-139K	12	0.5	41.4	3.2	32.4	5.24	17.8	24.0	10.0
DM-36PBL3657-0125800-189K	12	0.7	31.1	3.3	23.8	5.93	14.7	28.2	10.0
DM-36PBL3657-0125800-264K	12	0.7	22.1	2.9	16.9	8.07	14.3	34.4	10.0
DM-36PBL3657-0125800-369K	12	0.7	16.0	3.0	12.5	11.22	14.6	50.9	10.0
DM-36PBL3657-0125800-515K	12	0.7	11.5	3.0	8.8	16.42	15.2	70.0	10.0
DM-36PBL3657-0125800-721K	12	0.7	8.3	3.0	6.2	20.25	13.1	79.4	10.0
DM-36PBL36570243000-3.7K	24	0.1	769.3	0.6	602.3	0.12	7.9	0.6	2.2
DM-36PBL3657-0243000-5.2K	24	0.1	581.1	0.7	428.1	0.20	9.0	0.8	2.2
DM-36PBL3657-0243000-14K	24	0.1	210.8	0.6	161.4	0.43	7.2	1.8	2.2
DM-36PBL3657-0243000-19K	24	0.1	166.0	0.7	122.5	0.62	8.0	2.4	2.2
DM-36PBL3657-0243000-27K	24	0.1	118.6	0.7	84.7	0.92	8.2	3.2	2.2
DM-36PBL3657-0243000-51K	24	0.1	56.8	0.6	42.6	1.28	5.7	5.7	2.2
DM-36PBL3657-0243000-71K	24	0.1	44.1	0.8	31.0	2.23	7.2	7.5	2.2
DM-36PBL3657-0243000-100K	24	0.1	31.8	0.7	23.0	2.86	6.9	10.3	2.2
DM-36PBL3657-0243000-139K	24	0.1	22.2	0.7	16.5	3.77	6.5	14.8	2.2
DM-36PBL3657-0243000-189K	24	0.1	15.1	0.7	11.6	4.22	5.1	18.0	2.2
DM-36PBL3657-0243000-264K	24	0.2	12.1	0.7	8.7	5.82	5.3	22.8	2.2
DM-36PBL3657-0243000-369K	24	0.2	8.5	0.7	6.3	8.19	5.4	31.7	2.2
DM-36PBL3657-0243000-515K	24	0.2	6.1	0.7	4.47	12.38	5.8	46.8	2.2
DM-36PBL3657-0243000-721K	24	0.2	4.2	0.7	3.12	18.28	6.0	69.0	2.2
DM-36PBL36570244500-3.7K	24	0.2	1183.8	1.0	912.2	0.14	13.6	0.6	3.5
DM-36PBL3657-0244500-5.2K	24	0.2	880.8	1.0	648.7	0.23	15.6	0.8	3.5
DM-36PBL3657-0244500-14K	24	0.2	321.1	1.0	247.5	0.46	12.0	2.0	3.5
DM-36PBL3657-0244500-19K	24	0.2	239.5	1.0	178.0	0.67	12.5	2.6	3.5
DM-36PBL3657-0244500-27K	24	0.2	172.0	1.0	127.3	0.92	12.3	3.5	3.5
DM-36PBL3657-0244500-51K	24	0.2	87.4	1.0	67.3	1.33	9.4	6.4	3.5
DM-36PBL3657-0244500-71K	24	0.2	64.0	1.0	48.3	1.90	9.6	7.7	3.5
DM-36PBL3657-0244500-100K	24	0.2	46.2	1.0	33.1	3.01	10.4	11.1	3.5
DM-36PBL3657-0244500-139K	24	0.2	32.9	1.0	24.1	3.95	10.0	16.1	3.5
DM-36PBL3657-0244500-189K	24	0.2	23.4	1.1	17.5	4.58	8.4	18.2	3.5
DM-36PBL3657-0244500-264K	24	0.2	17.3	1.0	12.9	6.26	8.4	24.6	3.5
DM-36PBL3657-0244500-369K	24	0.2	12.6	1.1	9.0	9.59	9.0	35.0	3.5
DM-36PBL3657-0244500-515K	24	0.2	8.8	1.0	6.5	12.8	8.7	53.7	3.5
DM-36PBL3657-0244500-721K	24	0.2	6.3	1.0	4.7	17.0	8.3	72.0	3.5
DM-36PBL36570246000-3.7K	24	0.3	1517.3	1.3	1216.2	0.16	20.1	0.8	5.0
DM-36PBL3657-0246000-5.2K	24	0.3	1068.8	1.1	865.4	0.20	17.6	1.1	5.0
DM-36PBL3657-0246000-14K	24	0.3	397.3	1.1	321.0	0.43	14.6	2.3	5.0
DM-36PBL3657-0246000-19K	24	0.3	295.7	1.3	231.4	0.72	17.4	3.3	5.0

