

DC BRUSHLESS PLANETARY GEAR MOTOR

DM-36PBL3640

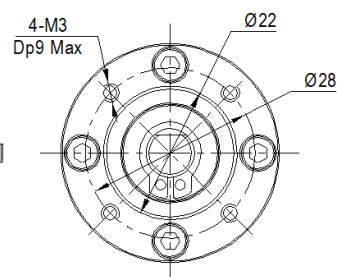
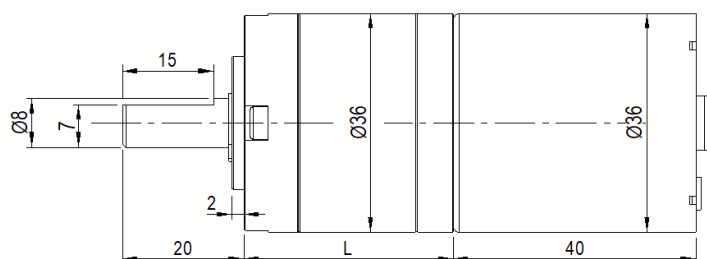
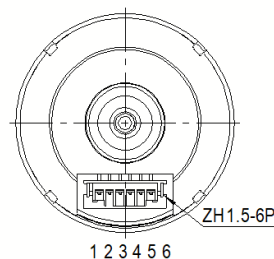
典型应用/Typical Applications :

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	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%

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	mA	r/min	mA	r/min	g.cm	W	g.cm	mA
DM-BL3640-012-3000	12	≤140	3000	≤650	2534	170.0	4.4	≥900	≥2600
DM-BL3640-012-4500	12	≤220	4500	≤1100	3823	197.0	7.7	≥1060	≥4000
DM-BL3640-012-6300	12	≤320	6300	≤1530	5146	204.3	11.0	≥1160	≥5400
DM-BL3640-024-3000	24	≤80	3000	≤380	2546	207.7	5.4	≥1060	≥1300
DM-BL3640-024-4500	24	≤135	4500	≤630	3859	223.3	8.9	≥1140	≥1600
DM-BL3640-024-6000	24	≤170	6000	≤850	5073	237.0	12.4	≥1290	≥3300

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-36PBL3640-0123000-3.7K	12	0.2	765.0	0.8	601.1	0.08	5.3	0.4	2.8
DM-36PBL3640-0123000-5.2K	12	0.2	562.5	0.9	423.5	0.13	5.9	0.5	2.8
DM-36PBL3640-0123000-14K	12	0.2	208.9	0.8	165.1	0.27	4.6	1.2	2.8
DM-36PBL3640-0123000-19K	12	0.2	153.9	0.8	117.4	0.41	5.1	1.7	2.8
DM-36PBL3640-0123000-27K	12	0.2	109.3	0.8	83.1	0.57	5.0	2.3	2.8
DM-36PBL3640-0123000-51K	12	0.2	58.0	0.8	44.0	1.08	5.0	4.5	2.8
DM-36PBL3640-0123000-71K	12	0.2	42.0	0.9	31.0	1.50	5.0	5.8	2.8
DM-36PBL3640-0123000-100K	12	0.2	30.7	0.9	22.0	2.30	5.4	8.3	2.8
DM-36PBL3640-0123000-139K	12	0.2	22.2	0.8	16.6	2.87	5.0	11.5	2.8
DM-36PBL3640-0123000-189K	12	0.3	15.6	0.8	12.0	3.00	3.7	12.8	2.8
DM-36PBL3640-0123000-264K	12	0.3	11.1	0.8	8.5	4.41	4.0	18.5	2.8
DM-36PBL3640-0123000-369K	12	0.3	8.1	0.8	6.0	5.80	3.7	22.4	2.8
DM-36PBL3640-0123000-515K	12	0.3	5.7	0.7	4.5	6.20	3.0	30.0	2.8
DM-36PBL3640-0123000-721K	12	0.3	4.1	0.7	3.1	9.50	3.1	41.0	2.8

DM-36PBL3640-0124500-3.7K	12	0.3	1163.4	1.6	917.6	0.12	11.5	0.6	6.0
DM-36PBL3640-0124500-5.2K	12	0.3	865.1	2.0	630.3	0.21	14.0	0.8	6.0
DM-36PBL3640-0124500-14K	12	0.3	318.2	1.7	242.8	0.44	11.3	1.8	6.0
DM-36PBL3640-0124500-19K	12	0.3	235.6	1.7	178.5	0.62	11.5	2.5	6.0
DM-36PBL3640-0124500-27K	12	0.3	168.2	1.9	122.7	0.94	12.1	3.5	6.0
DM-36PBL3640-0124500-51K	12	0.3	86.6	1.6	66.6	1.40	9.7	6.0	6.0
DM-36PBL3640-0124500-71K	12	0.3	64.7	1.8	46.5	2.26	11.0	8.0	6.0
DM-36PBL3640-0124500-100K	12	0.3	44.8	1.8	34.0	2.95	10.5	12.0	6.0
DM-36PBL3640-0124500-139K	12	0.3	31.6	1.6	24.9	3.63	9.5	17.0	6.0
DM-36PBL3640-0124500-189K	12	0.4	23.8	1.7	17.6	4.75	8.8	18.0	6.0
DM-36PBL3640-0124500-264K	12	0.4	17.2	1.9	12.5	7.29	9.6	26.0	6.0
DM-36PBL3640-0124500-369K	12	0.4	12.2	1.8	9.1	9.12	8.7	35.0	6.0
DM-36PBL3640-0124500-515K	12	0.4	8.8	1.6	6.7	10.50	7.4	43.0	6.0
DM-36PBL3640-0124500-721K	12	0.4	6.0	1.6	4.7	15.70	7.8	73.0	6.0
DM-36PBL3640-0126300-3.7K	12	0.4	1669.6	3.0	1203.2	0.17	20.9	0.6	9.0
DM-36PBL3640-0126300-5.2K	12	0.4	1246.3	3.0	876.6	0.24	21.6	0.8	9.0
DM-36PBL3640-0126300-14K	12	0.4	452.5	3.2	316.9	0.58	19.2	1.9	9.0
DM-36PBL3640-0126300-19K	12	0.4	336.9	3.1	233.8	0.79	19.4	2.5	9.0
DM-36PBL3640-0126300-27K	12	0.4	240.8	3.1	166.2	1.12	19.5	3.6	9.0
DM-36PBL3640-0126300-51K	12	0.4	123.9	3.0	87.3	1.84	16.8	6.2	9.0
DM-36PBL3640-0126300-71K	12	0.4	91.7	2.9	65.5	2.48	17.0	8.6	9.0
DM-36PBL3640-0126300-100K	12	0.4	65.2	3.1	45.3	3.76	17.8	12.0	9.0
DM-36PBL3640-0126300-139K	12	0.5	45.9	3.1	32.2	5.15	17.4	17.0	9.0
DM-36PBL3640-0126300-189K	12	0.5	33.7	3.0	23.7	5.75	14.3	19.4	9.0
DM-36PBL3640-0126300-264K	12	0.5	24.7	3.2	17.0	8.86	15.7	28.2	9.0
DM-36PBL3640-0126300-369K	12	0.5	17.2	3.1	12.4	10.94	14.2	39.0	9.0
DM-36PBL3640-0126300-515K	12	0.5	12.5	3.2	8.5	15.68	14	48.0	9.0
DM-36PBL3640-0126300-721K	12	0.5	8.7	3.0	6.2	21.60	14.1	76.0	9.0
DM-36PBL3640-0243000-3.7K	24	0.1	798.7	0.6	607.3	0.12	7.3	0.5	1.8
DM-36PBL3640-0243000-5.2K	24	0.1	572.2	0.9	431.6	0.16	7.4	0.7	1.8
DM-36PBL3640-0243000-14K	24	0.1	221.1	0.6	161.3	0.41	6.9	1.5	1.8
DM-36PBL3640-0243000-19K	24	0.1	154.7	0.9	120.5	0.48	6.0	2.0	1.8
DM-36PBL3640-0243000-27K	24	0.1	111.5	0.9	83.3	0.75	6.5	2.9	1.8
DM-36PBL3640-0243000-51K	24	0.1	61.6	0.6	44.1	1.47	6.8	5.0	1.8
DM-36PBL3640-0243000-71K	24	0.1	43.1	0.9	31.0	1.94	6.3	6.9	1.8
DM-36PBL3640-0243000-100K	24	0.1	30.8	1.0	22.2	2.87	6.7	10.0	1.8
DM-36PBL3640-0243000-139K	24	0.1	21.7	0.9	16.4	3.44	5.9	14.0	1.8
DM-36PBL3640-0243000-189K	24	0.2	16.6	0.6	11.7	4.69	5.8	16.0	1.8
DM-36PBL3640-0243000-264K	24	0.2	11.2	0.9	8.5	5.42	4.8	22.0	1.8
DM-36PBL3640-0243000-369K	24	0.2	8.1	0.9	6.1	7.23	4.6	29.0	1.8
DM-36PBL3640-0243000-515K	24	0.2	5.8	0.9	4.4	10.57	4.8	44.0	1.8
DM-36PBL3640-0243000-721K	24	0.2	4.0	0.9	3.1	14.9	4.9	65.0	1.8
DM-36PBL3640-0244500-3.7K	24	0.2	1173.2	0.9	912.2	0.12	11.7	0.6	2.8
DM-36PBL3640-0244500-5.2K	24	0.2	856.5	0.9	645.8	0.19	13	0.8	2.8
DM-36PBL3640-0244500-14K	24	0.2	324.7	1.0	239.9	0.46	11.5	1.7	2.8
DM-36PBL3640-0244500-19K	24	0.2	235.4	0.9	177.6	0.60	11.3	2.5	2.8
DM-36PBL3640-0244500-27K	24	0.2	165.4	0.8	128	0.79	10.6	3.5	2.8
DM-36PBL3640-0244500-51K	24	0.2	91.1	0.9	66.3	1.61	11.2	5.8	2.8
DM-36PBL3640-0244500-71K	24	0.2	63.3	0.9	48	2.07	10.4	8.5	2.8
DM-36PBL3640-0244500-100K	24	0.2	44.9	0.9	33.5	2.96	10.4	11.6	2.8
DM-36PBL3640-0244500-139K	24	0.2	32.8	0.9	24.4	4.23	10.8	16.4	2.8
DM-36PBL3640-0244500-189K	24	0.3	24.5	1.0	17.3	4.93	9.0	16.6	2.8
DM-36PBL3640-0244500-264K	24	0.3	17.2	1.0	12.4	7.23	9.4	26.0	2.8
DM-36PBL3640-0244500-369K	24	0.3	12.4	0.9	9	9.10	8.6	32.7	2.8
DM-36PBL3640-0244500-515K	24	0.3	8.7	0.8	6.6	9.22	6.4	38.9	2.8
DM-36PBL3640-0244500-721K	24	0.3	6.3	0.9	4.6	15.4	7.5	57.0	2.8
DM-36PBL36400246000-3.7K	24	0.3	1506.5	1.2	1210.87	0.13	16.9	0.7	4.5
DM-36PBL3640-0246000-5.2K	24	0.3	1101.2	1.2	878.8	0.19	17.3	0.9	4.5
DM-36PBL3640-0246000-14K	24	0.3	412.0	1.2	328.79	0.45	15.6	2.2	4.5
DM-36PBL3640-0246000-19K	24	0.3	298.7	1.1	239.1	0.62	15.4	3.0	4.5

