

DC BRUSHLESS PLANETARY GEAR MOTOR

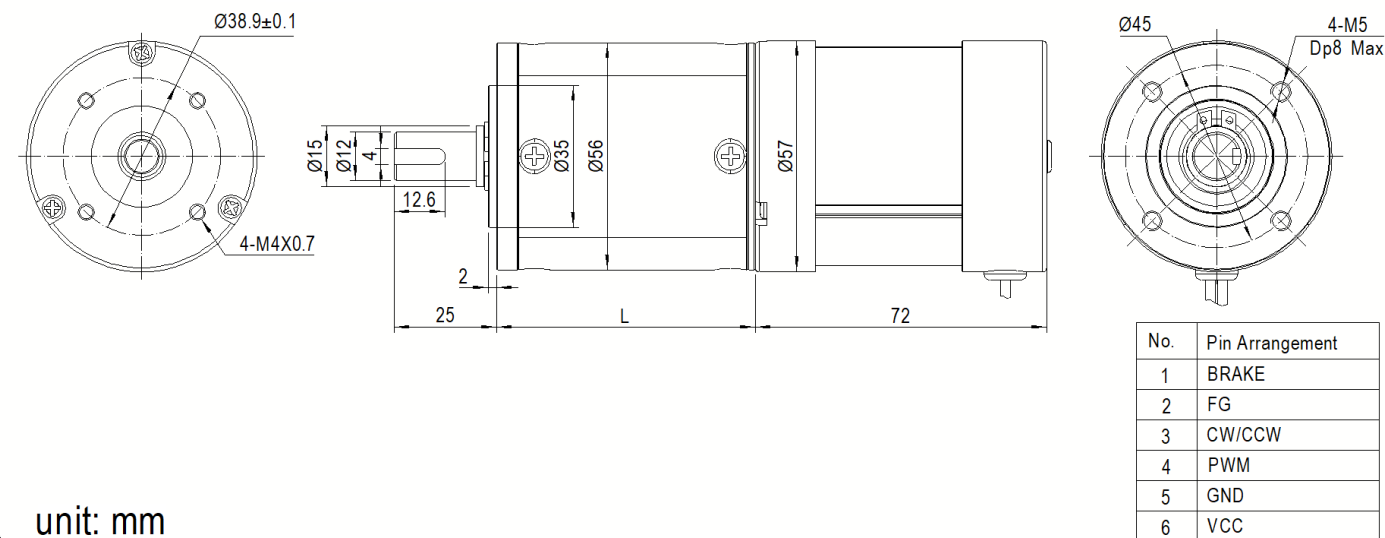
DM-56PBL5772

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

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)	38.4	51.2	64	76.8
Breaking Torque (kgf.cm)	50	80	100	130
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-BL5772-012-3200	12	≤0.35	3200	≤3.0	2934	1020	30.7	≥8214.0	≥17.0
DM-BL5772-012-6000	12	≤0.75	6000	≤6.3	5480	1080	60.7	≥8297.5	≥30.0
DM-BL5772-024-3300	24	≤0.23	3300	≤1.7	2953	1081	32.8	≥8221.0	≥9.0
DM-BL5772-024-6200	24	≤0.47	6200	≤3.8	5480	1303	73.2	≥9065.0	≥28.0

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-56PBL5772-0123200-3.7K	12	0.90	881.0	4.94	674.4	0.56	39.2	2.37	19.0
DM-56PBL5772-0123200-5K	12	0.90	642.5	4.87	496.0	0.75	38.8	3.28	19.0
DM-56PBL5772-0123200-13K	12	0.90	234.7	4.76	186.1	1.74	33.8	8.38	19.0
DM-56PBL5772-0123200-18K	12	0.90	180.1	4.38	139.4	2.42	35.4	10.73	19.0
DM-56PBL5772-0123200-25K	12	0.90	130.7	4.66	100.8	3.34	35.2	14.60	19.0
DM-56PBL5772-0123200-49K	12	1.10	65.6	4.73	51.1	5.06	27.1	22.92	19.0
DM-56PBL5772-0123200-67K	12	1.10	48.4	4.64	37.8	7.98	31.6	36.50	19.0
DM-56PBL5772-0123200-92K	12	1.10	35.5	4.69	27.2	10.05	28.6	43.24	19.0
DM-56PBL5772-0123200-125K	12	1.10	26.5	5.17	19.6	15.59	32.1	60.36	19.0
DM-56PBL5772-0123200-181K	12	1.40	18.0	4.92	13.8	18.74	27.0	79.83	19.0
DM-56PBL5772-0123200-246K	12	1.40	13.1	5.10	10.0	27.32	28.6	115.07	19.0
DM-56PBL5772-0123200-336K	12	1.40	9.4	4.55	7.6	29.59	23.5	156.38	19.0
DM-56PBL5772-0123200-458K	12	1.40	6.9	4.77	5.5	43.55	25.0	212.40	19.0
DM-56PBL5772-0123200-625K	12	1.40	5.2	4.77	4.0	55.05	23.1	247.41	19.0

DM-56PBL5772-0126000-3.7K	12	1.80	1620.1	8.23	1277.0	0.42	56.5	2.00	30.0
DM-56PBL5772-0126000-5K	12	1.80	1219.4	8.67	945.0	0.65	63.7	2.86	30.0
DM-56PBL5772-0126000-13K	12	1.80	428.7	8.25	355.0	1.32	49.1	7.8	30.0
DM-56PBL5772-0126000-18K	12	1.80	338.6	8.06	260.6	2.18	59.5	9.5	30.0
DM-56PBL5772-0126000-25K	12	1.80	246.0	8.37	191.0	3.05	60.9	13.6	30.0
DM-56PBL5772-0126000-49K	12	2.20	118.4	8.55	97.3	4.44	45.3	24.9	30.0
DM-56PBL5772-0126000-67K	12	2.20	89.9	8.78	70.2	7.23	53.1	33.0	30.0
DM-56PBL5772-0126000-92K	12	2.20	65.2	8.24	51.6	8.60	46.5	41.3	30.0
DM-56PBL5772-0126000-125K	12	2.20	49.4	9.04	37.9	13.29	52.8	62.2	30.0
DM-56PBL5772-0126000-181K	12	2.80	33.8	9.04	26.6	17.94	50.0	84.7	30.0
DM-56PBL5772-0126000-246K	12	2.80	25.0	8.62	19.1	21.85	43.7	96.0	30.0
DM-56PBL5772-0126000-336K	12	2.80	17.6	8.45	14.1	25.72	37.9	121.1	30.0
DM-56PBL5772-0126000-458K	12	2.80	13.0	7.95	10.4	34.26	37.5	174.7	30.0
DM-56PBL5772-0126000-625K	12	2.80	9.7	8.39	7.6	55.24	43.8	248.4	30.0
DM-56PBL5772-0243300-3.7K	24	0.45	908.6	2.90	673.3	0.68	47.6	2.61	10.0
DM-56PBL5772-0243300-5K	24	0.45	657.1	2.99	493.1	0.88	45.3	3.52	10.0
DM-56PBL5772-0243300-13K	24	0.45	242.8	2.83	184.3	2.13	41.0	8.8	10.0
DM-56PBL5772-0243300-18K	24	0.45	180.3	2.81	136.7	2.80	40.1	11.6	10.0
DM-56PBL5772-0243300-25K	24	0.45	131.7	2.62	101.9	3.46	37.0	15.3	10.0
DM-56PBL5772-0243300-49K	24	0.55	66.3	2.67	51.7	5.81	31.5	26.4	10.0
DM-56PBL5772-0243300-67K	24	0.55	49.7	2.86	36.9	9.50	36.7	36.9	10.0
DM-56PBL5772-0243300-92K	24	0.55	36.2	3.16	26.3	13.73	37.8	50.3	10.0
DM-56PBL5772-0243300-125K	24	0.55	26.9	2.92	19.7	17.41	35.9	65.4	10.0
DM-56PBL5772-0243300-181K	24	0.70	18.2	3.13	13.4	22.02	30.9	83.0	10.0
DM-56PBL5772-0243300-246K	24	0.70	13.6	3.03	9.9	31.31	32.6	116.8	10.0
DM-56PBL5772-0243300-336K	24	0.70	9.7	3.21	7.3	45.64	34.8	185.0	10.0
DM-56PBL5772-0243300-458K	24	0.70	7.1	2.84	5.5	53.44	30.7	236.9	10.0
DM-56PBL5772-0243300-625K	24	0.70	5.4	2.71	4.1	68.81	29.4	281.2	10.0
DM-56PBL5772-0246200-3.7K	24	0.90	1670.2	7.41	1289.1	0.94	126.9	4.12	29.0
DM-56PBL5772-0246200-5K	24	0.90	1247.6	7.62	953.3	1.25	124.3	5.28	29.0
DM-56PBL5772-0246200-13K	24	0.90	449.2	6.87	352.1	2.94	108.2	14.0	29.0
DM-56PBL5772-0246200-18K	24	0.90	339.6	8.37	253.0	4.80	127.1	18.8	29.0
DM-56PBL5772-0246200-25K	24	0.90	252.7	7.62	189.5	6.06	120.3	24.2	29.0
DM-56PBL5772-0246200-49K	24	1.10	121.1	7.09	97.5	9.07	92.6	46.5	29.0
DM-56PBL5772-0246200-67K	24	1.10	93.9	8.02	69.4	15.48	112.6	59.5	29.0
DM-56PBL5772-0246200-92K	24	1.10	66.8	7.49	52.3	18.13	99.4	83.7	29.0
DM-56PBL5772-0246200-125K	24	1.10	50.3	8.60	37.1	28.93	112.3	109.9	29.0
DM-56PBL5772-0246200-181K	24	1.40	34.2	7.44	26.6	33.72	93.9	152.4	29.0
DM-56PBL5772-0246200-246K	24	1.40	25.2	7.61	20.0	43.58	91.0	207.8	29.0
DM-56PBL5772-0246200-336K	24	1.40	18.5	7.72	14.5	58.15	88.3	287.7	29.0
DM-56PBL5772-0246200-458K	24	1.40	13.3	8.26	10.2	79.70	85.0	370.4	29.0
DM-56PBL5772-0246200-625K	24	1.40	10.0	7.97	7.7	111.03	89.5	477.2	29.0

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)