

DMN37 Series

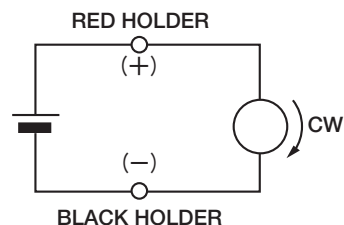


Specification

TYPE	RATED					NO LOAD		STALL		WEIGHT		
	OUT PUT	VOLTAGE	TORQUE		CURRENT	SPEED	CURRENT	SPEED	TORQUE			TORQUE
	W	V	mN·m	oz·in	A	r/min	A	r/min	mN·m	oz·in		
DMN37SA	4.6	12	9.8	1.39	0.78	4500	0.26	5500	54	7.64	130	0.29
DMN37SB	4.6	24	9.8	1.39	0.37	4500	0.12	5500	54	7.64	130	0.29
DMN37BA	7.2	12	14.7	2.09	1.01	4700	0.25	5500	98	13.89	180	0.40
DMN37BB	7.2	24	14.7	2.09	0.53	4700	0.13	5500	98	13.89	180	0.40
DMN37KA	9.2	12	24.5	3.48	1.20	3600	0.27	4300	160	23.61	210	0.46
DMN37KB	9.2	24	24.5	3.48	0.60	3600	0.14	4300	160	23.61	210	0.46
DMN37JB	14.7	24	39.2	5.56	0.94	3600	0.16	4300	240	24.72	240	0.53

*Intermittent ratings are given for DMN37JB. (DUTY50%)

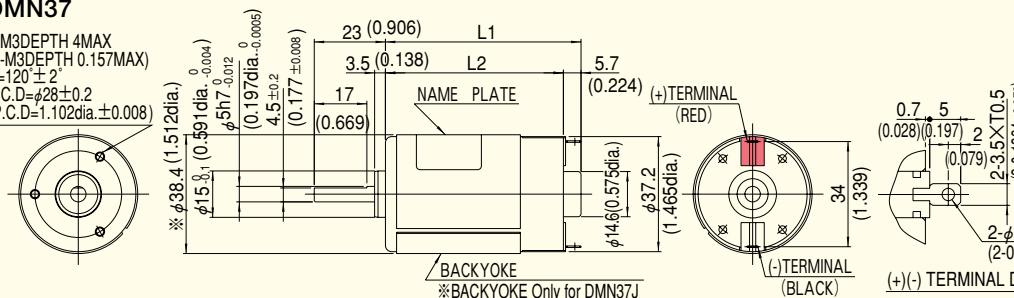
Connection



Outline

DMN37

3-M3DEPTH 4MAX
(3-M3DEPTH 0.157MAX)
P=120±2
P.C.D=φ28±0.2
(P.C.D=1.102dia.±0.008)



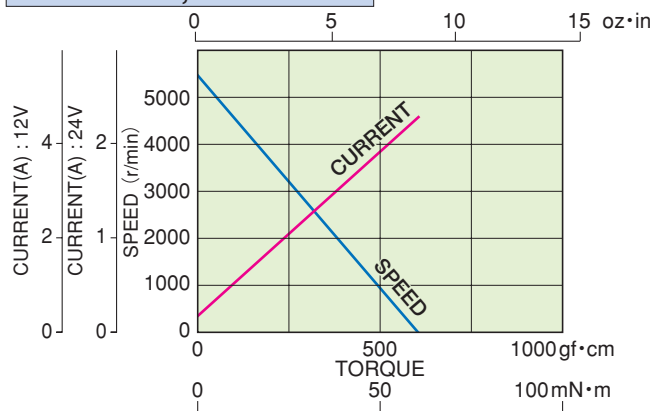
■ DIMENSIONS Unit mm(inch)

MODEL	L1		L2	
	mm	inch	mm	inch
DMN37S	45.2	1.780	39.5	1.555
DMN37B	53.2	2.094	47.5	1.870
DMN37K	58.2	2.291	52.5	2.067
DMN37J	63.2	2.488	57.5	2.264

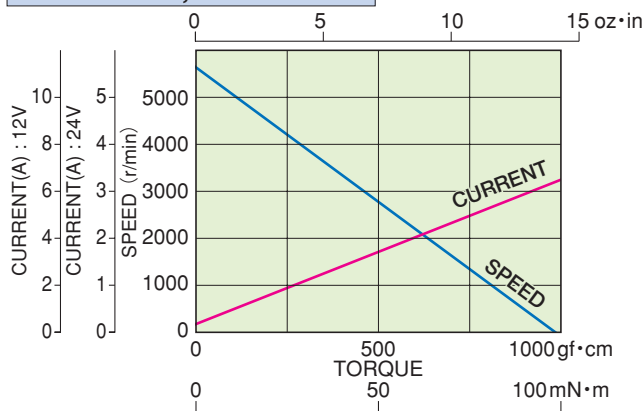
(+)(-) TERMINAL DETAILED DRAWING

CURRENT, SPEED-TORQUE CURVE

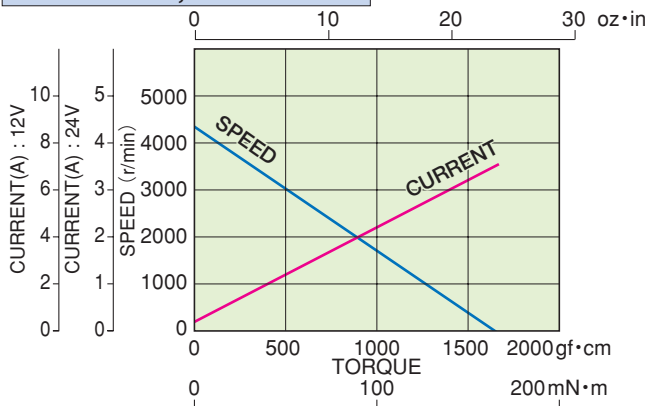
DMN37SA, DMN37SB



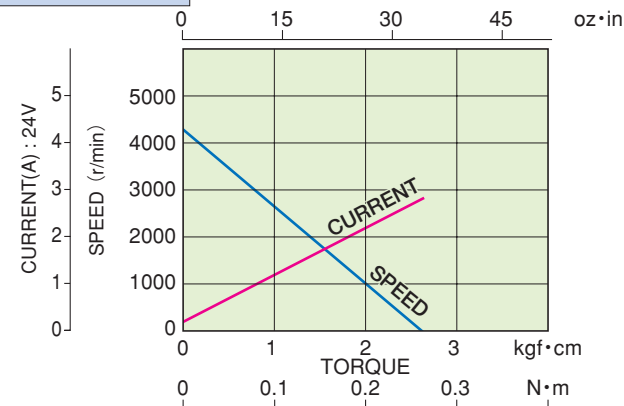
DMN37BA, DMN37BB



DMN37KA, DMN37KB



DMN37JB



8DG
Continuous Operation

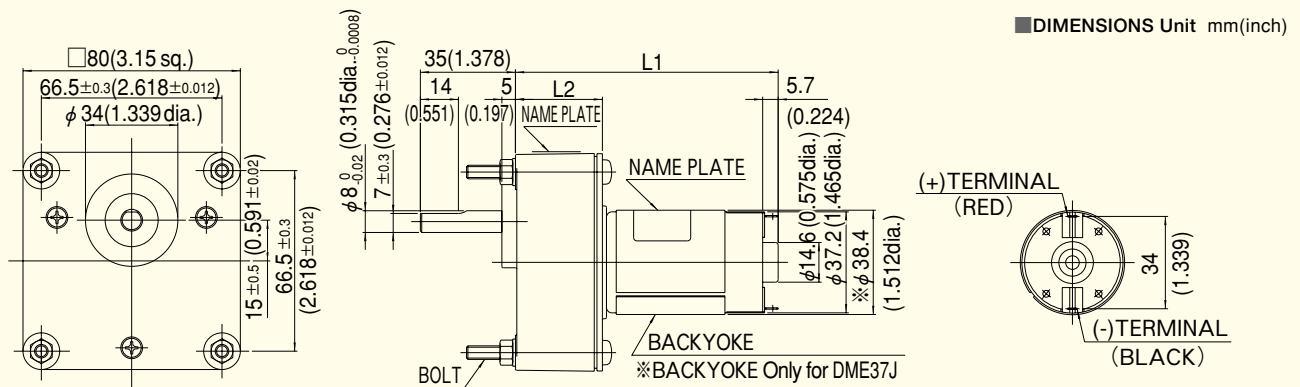


Specification

8DG□	DMN37B8HP◇			DMN37K8HP◇			DMN37J8HPB		
	RATED TORQUE		SPEED	RATED TORQUE		SPEED	RATED TORQUE		SPEED
GEAR RATIO	N·m	oz·in	r/min	N·m	oz·in	r/min	N·m	oz·in	r/min
3	0.035	5.01	1567	0.060	8.49	1200	0.10	12.5	1200
3.6	0.042	5.98	1306	0.072	10.2	1000	0.11	15.3	1000
5	0.060	8.49	940	0.10	13.9	720	0.16	22.3	720
6	0.072	10.2	783	0.12	16.7	600	0.19	26.4	600
7.5	0.089	12.7	627	0.15	20.9	480	0.24	33.4	480
9	0.11	15.3	522	0.18	25.0	400	0.28	40.3	400
12.5	0.15	20.9	376	0.25	34.8	288	0.39	55.6	288
15	0.18	25.0	313	0.29	41.7	240	0.47	66.8	240
18	0.22	30.6	261	0.35	50.1	200	0.57	80.7	200
* 25	0.26	37.6	188	0.44	62.6	144	0.72	102	144
* 30	0.32	45.9	157	0.53	75.1	120	0.85	121	120
* 36	0.38	54.3	131	0.64	90.4	100	1.0	139	100
* 50	0.53	75.1	94	0.89	127	72	1.4	195	72
* 60	0.64	90.4	78	1.1	153	60	1.7	236	60
* 75	0.80	114	63	1.3	181	48	2.2	306	48
* 90	0.96	136	52	1.6	223	40	2.5	362	40
* 100	1.1	153	47	1.8	250	36	2.8	403	36
* 120	1.3	181	39	2.2	306	30	3.4	487	30
* 150	1.4	195	31	2.4	334	24	3.8	543	24
* 180	1.7	236	26	2.8	403	20	3.9	556	21
225	2.2	306	21	3.6	515	16	3.9	556	17
250	2.4	334	19	3.9	556	14	3.9	556	15
300	2.8	403	16	3.9	556	12	3.9	556	13
360	3.4	487	13	3.9	556	11	3.9	556	11
450	3.9	556	11	3.9	556	8.7	3.9	556	9.0
* 500	3.9	556	10	3.9	556	7.8	3.9	556	8.1
* 600	3.9	556	8.2	3.9	556	6.6	3.9	556	6.8
* 750	3.9	556	6.7	3.9	556	5.4	3.9	556	5.5
* 900	3.9	556	5.7	3.9	556	4.5	3.9	556	4.6
* 1500	3.9	556	3.5	3.9	556	2.8	3.9	556	2.8
* 1800	3.9	556	2.9	3.9	556	2.3	3.9	556	2.4

- * Enter the required reduction ratio in the □.
- * □ Rotation of gearbox shaft is in reverse of rotation of motor.
- * Enter the required voltage A or B in the ◇.

Outline



NOTE:
When ordering, please write the motor model and gearbox model numbers separately, as in the following example:
DMN37B8HPB (Pinion shaft motor)
8DG□ (Gearbox)

MODEL	GEAR RATIO	L1		L2		BOLT		WEIGHT	
		mm	inch	mm	inch	mm	inch	g	lb
DMN37B8HP◇+8DG□	3~180	86.7	3.413	32	1.260	M5×50	M5×1.967	780	1.7
	225~1800	96.7	3.807	42	1.654	M5×60	M5×2.362	880	1.9
DMN37K8HP◇+8DG□	3~180	91.7	3.610	32	1.260	M5×50	M5×1.967	810	1.8
	225~1800	101.7	4.004	42	1.654	M5×60	M5×2.362	910	2.0
DMN37J8HPB+8DG□	3~180	96.7	3.807	32	1.260	M5×50	M5×1.967	840	1.9
	225~1800	106.7	4.201	42	1.654	M5×60	M5×2.362	940	2.1