

## DMN37 Series

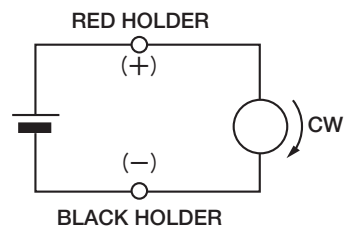


### Specification

TYPE	RATED					NO LOAD		STALL		WEIGHT		
	OUT PUT	VOLTAGE	TORQUE		CURRENT	SPEED	CURRENT	SPEED	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%)

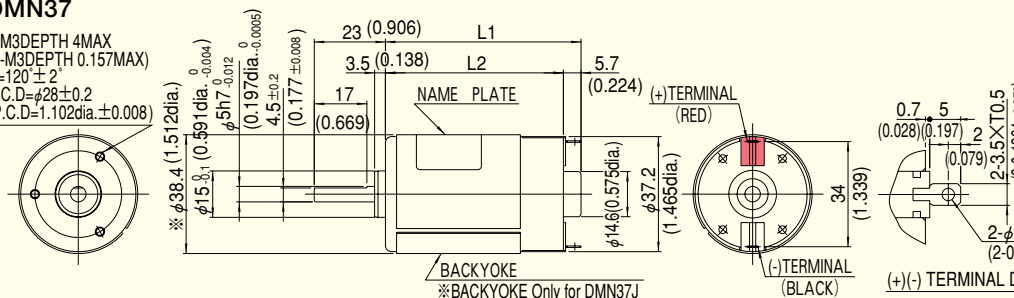
### Connection



### 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)



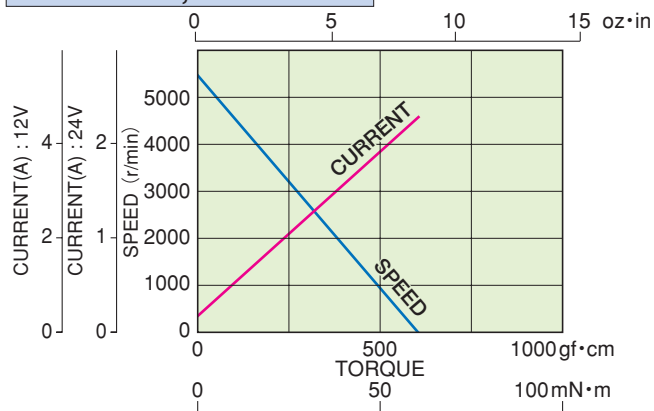
■ DIMENSIONS Unit mm(inch)

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

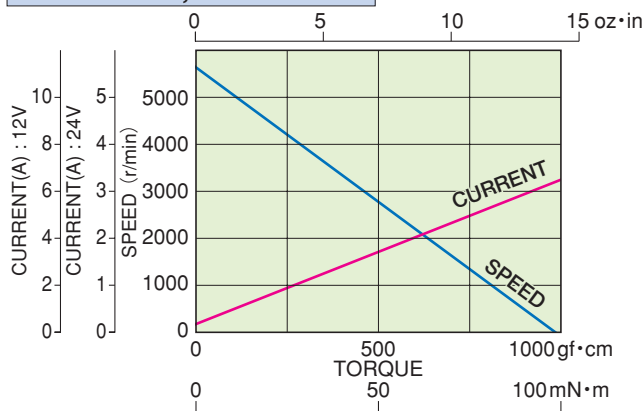
(+)(-) TERMINAL DETAILED DRAWING

### CURRENT, SPEED-TORQUE CURVE

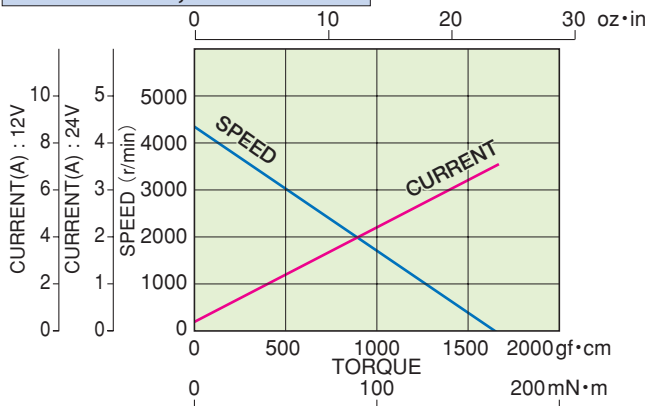
#### DMN37SA, DMN37SB



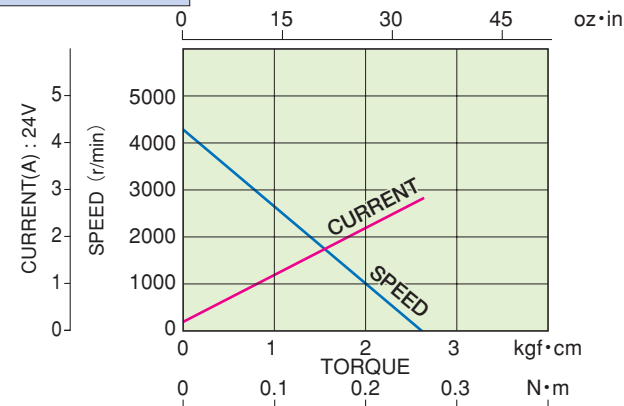
#### DMN37BA, DMN37BB



#### DMN37KA, DMN37KB



#### DMN37JB



**8DGF**  
Continuous Operation



## Specification

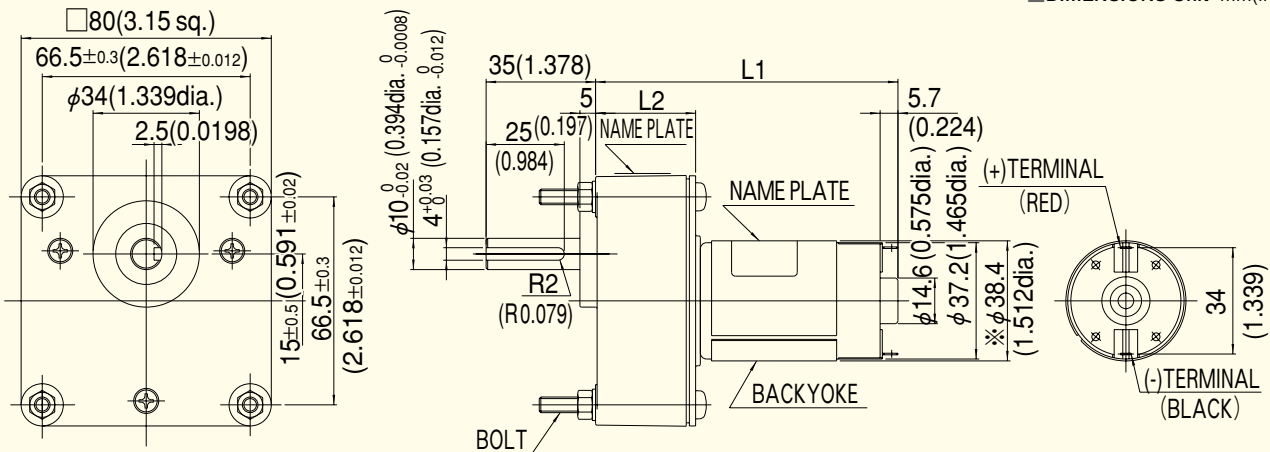
8DG□F GEAR RATIO	DMN37J8HFPB		
	RATED TORQUE		SPEED
	N·m	oz·in	r/min
3	0.10	13.5	1200
3.6	0.11	15.3	1000
5	0.16	22.3	720
6	0.19	26.4	600
7.5	0.24	33.4	480
9	0.29	40.3	400
12.5	0.40	55.6	288
15	0.48	66.8	240
18	0.57	80.7	200
25	0.71	102	144
30	0.86	121	120
36	1.0	139	100
50	1.4	198	72
60	1.7	236	60
75	2.1	306	48
90	2.6	362	40
100	2.9	403	36
120	3.4	467	30
150	3.9	543	24
180	4.6	654	20

※ Enter the required reduction ratio in the □.

※    Rotation of gearbox shaft is in reverse of rotation of motor.

## Outline

■ DIMENSIONS Unit mm(inch)



### NOTE:

When ordering, please write the motor model and gearbox model numbers separately, as in the following example:  
**DMN37J8HFPB** (Pinion shaft motor)  
**8DG□F** (Gearbox)

MODEL	GEAR RATIO	L1		L2		BOLT		WEIGHT	
		mm	inch	mm	inch	mm	inch	g	lb
DMN37J8HFPB+8DG□F	3~18	96.7	3.807	32	1.260	M5×50	M5×1.969	840	1.9
	25~180	106.7	4.201	42	1.654	M5×60	M5×2.362	940	2.1

