

DMN29 Series



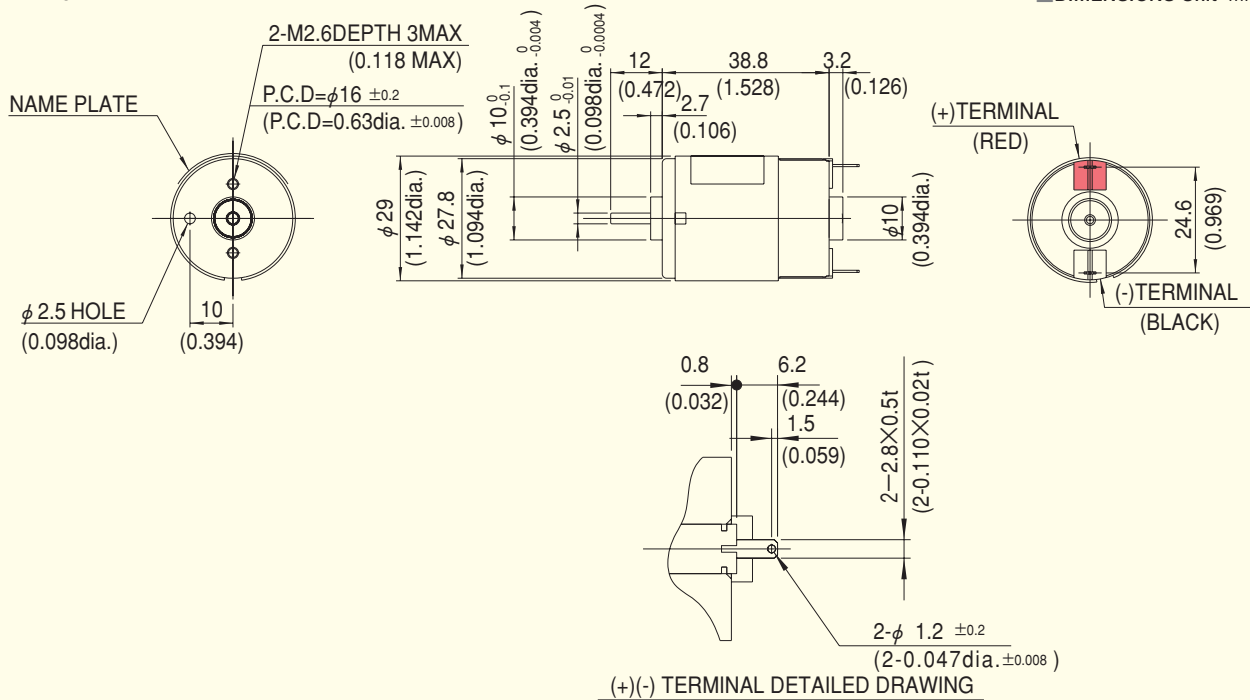
Specification

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	g	lb
DMN29BA	3.0	12	7.8	1.11	0.42	3700	0.07	5000	30	4.17	90	0.20
DMN29BB	3.0	24	7.8	1.11	0.21	3700	0.05	5000	30	4.17	90	0.20

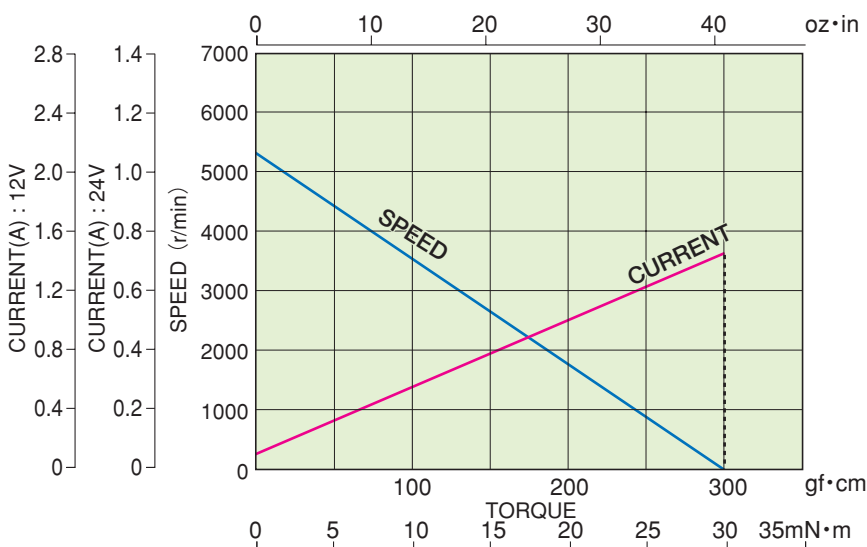
Outline

DMN29

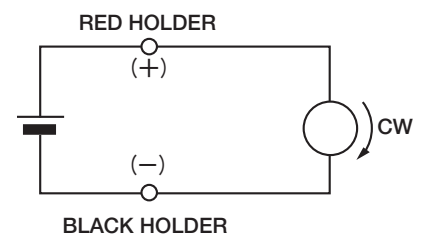
■ DIMENSIONS Unit mm(inch)



CURRENT, SPEED-TORQUE CURVE



CONNECTION



DMN29 Motor

A

Intermittent Operation



■ Specification

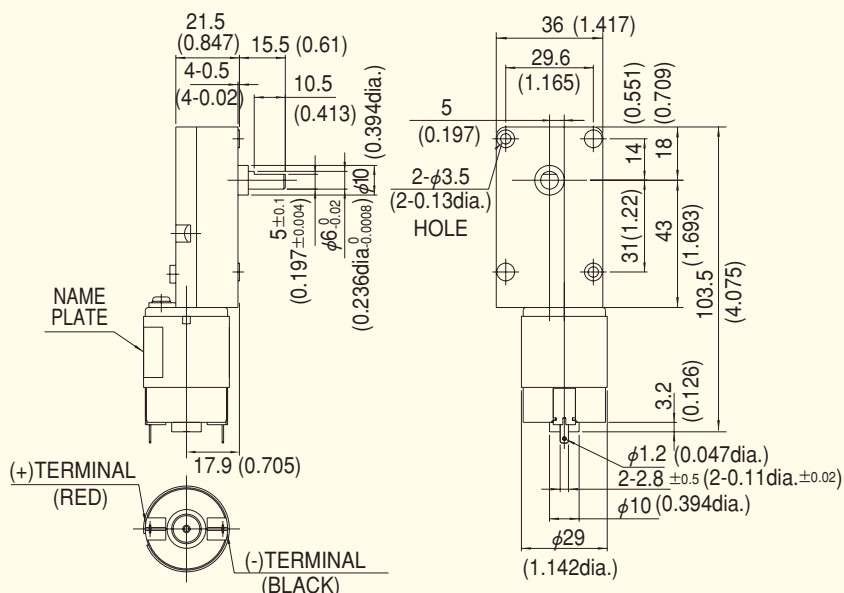
GEAR RATIO	DMN29BA-002 DMN29BA-003		
	RATED TORQUE		SPEED
	N·m	oz·in	r/min
78.9	0.190	27.8	56

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

■ Outline

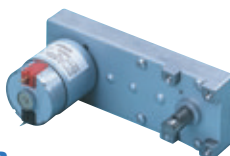
DMN29BA-002, 003 WEIGHT:140g 0.31 lb

■ DIMENSIONS Unit mm(inch)



L

Intermittent Operation



■ Specification

GEAR RATIO	DMN29BL□◇		
	RATED TORQUE		SPEED
	N·m	oz·in	r/min
30	0.14	19.5	123
50	0.23	32.0	74.0
120	0.56	77.9	30.8
150	0.69	90.8	24.7
200	0.92	131	18.5
255	0.98	139	15.3

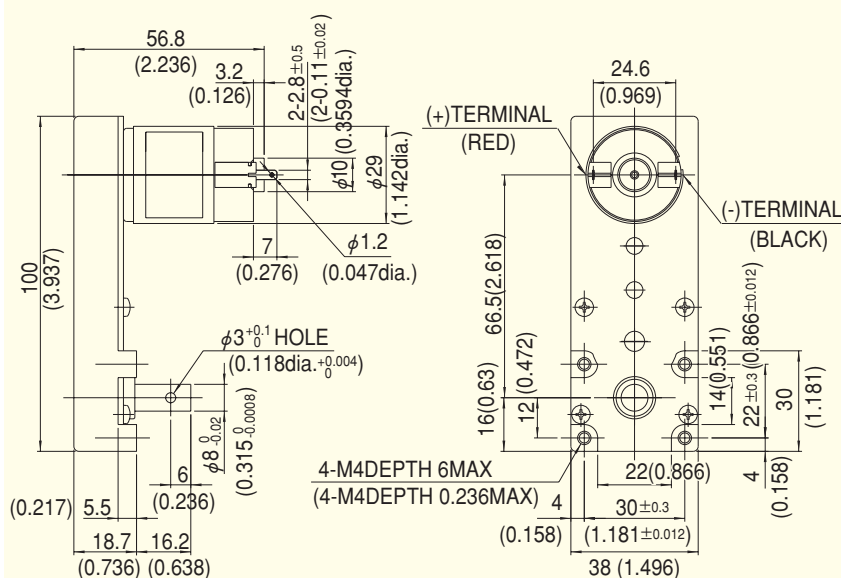
※Enter the required reduction ratio in the .

※Enter the required voltage A or B in the $\diamond$.

■ Outline

DMN29BL   WEIGHT:250g 0.55 lb

■ DIMENSIONS Unit mm(inch)



36G

Intermittent Operation



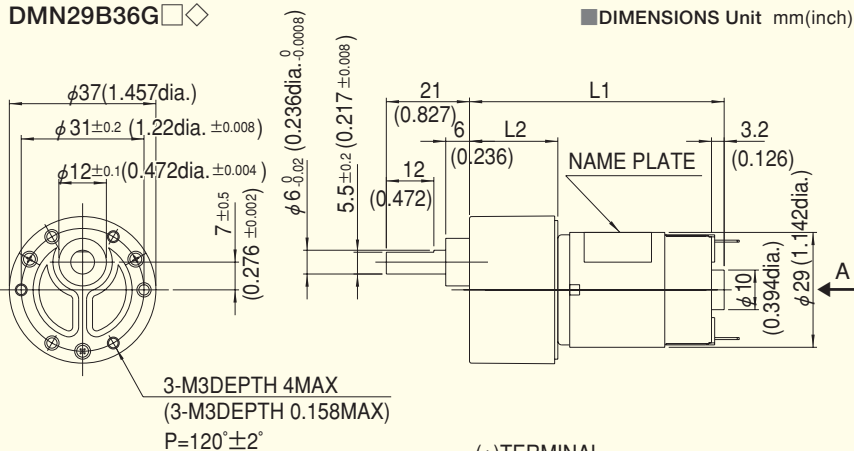
Specification

GEAR RATIO	DMN29B36G□◇		
	RATED TORQUE		SPEED
	N·m	oz·in	r/min
10	0.064	9.04	370
18	0.098	13.9	206
20	0.11	15.3	185
30	0.17	23.6	123
50	0.25	36.2	74.0
60	0.30	43.1	61.7
75	0.38	54.3	49.3
100	0.39	55.6	40.1
120	0.39	55.6	34.0
150	0.39	55.6	28.4
180	0.39	55.6	24.4
200	0.39	55.6	22.2
250	0.39	55.6	18.2
300	0.39	55.6	15.4
400	0.39	55.6	11.7
500	0.39	55.6	9.5
600	0.39	55.6	8.0

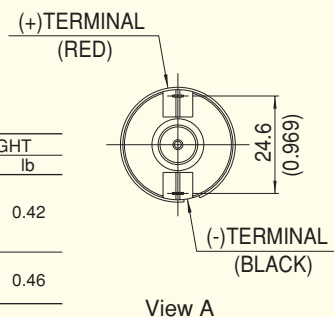
※ Enter the required reduction ratio in the □.
 ※ Rotation of gearbox shaft is in reverse of rotation of motor.
 ※ Enter the required voltage A or B in the ◇.

Outline

DMN29B36G□◇



GEAR RATIO	L1		L2		WEIGHT	
	mm	inch	mm	inch	g	lb
10	61.8	2.433	19.8	0.780	190	0.42
18~30	64.3	2.531	22.3	0.878		
50~100	66.8	2.630	24.8	0.976		
120~300	69.3	2.728	27.3	1.075	210	0.46
400~600	71.8	2.827	29.8	1.173		



43G

Intermittent Operation



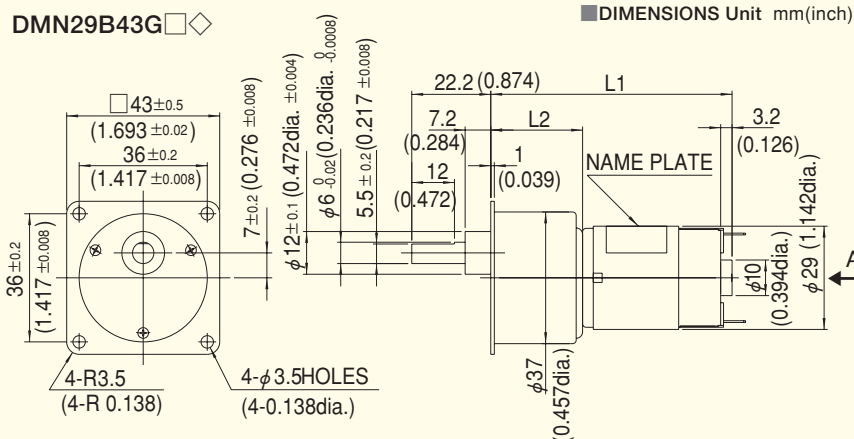
Specification

GEAR RATIO	DMN29B43G□◇		
	RATED TORQUE		SPEED
	N·m	oz·in	r/min
10	0.064	9.04	370
18	0.098	13.9	206
20	0.11	15.3	185
30	0.17	23.6	123
50	0.25	36.2	74.0
60	0.30	43.1	61.7
75	0.38	54.3	49.3
100	0.39	55.6	40.1
120	0.39	55.6	34.0
150	0.39	55.6	28.4
180	0.39	55.6	24.4
200	0.39	55.6	22.2
250	0.39	55.6	18.2
300	0.39	55.6	15.4
400	0.39	55.6	11.7
500	0.39	55.6	9.5
600	0.39	55.6	8.0

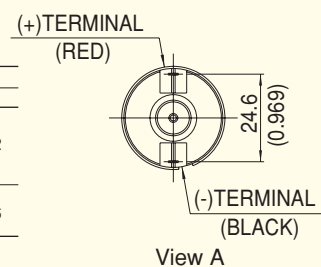
※ Enter the required reduction ratio in the □.
 ※ Rotation of gearbox shaft is in reverse of rotation of motor.
 ※ Enter the required voltage A or B in the ◇.

Outline

DMN29B43G□◇



GEAR RATIO	L1		L2		WEIGHT	
	mm	inch	mm	inch	g	lb
10	60.3	2.374	18.3	0.721	190	0.42
18~30	62.8	2.472	20.8	0.819		
50~100	65.3	2.571	23.3	0.917		
120~300	67.8	2.669	25.8	1.016	210	0.46
400~600	70.3	2.768	28.3	1.114		



50G
Continuous Operation



Specification

GEAR RATIO	DMN29B50G□◇		
	RATED TORQUE		SPEED
	N·m	oz·in	r/min
9	0.057	8.07	411
18	0.11	15.3	206
27	0.15	26.9	137
36	0.21	29.2	103
54	0.31	43.1	68.5
72	0.41	58.4	51.4
96	0.49	72.3	38.5
144	0.74	104	25.7
192	0.98	139	19.3
256	0.98	139	15.8

※ 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 ◇.

6DG
Continuous Operation



Specification

GEAR RATIO	DMN29B6HP◇		
	RATED TORQUE		SPEED
	N·m	oz·in	r/min
3	0.019	26.4	1233
3.6	0.023	32.0	1028
5	0.032	44.5	740
6	0.038	54.3	617
7.5	0.048	68.5	493
9	0.057	8.07	411
12.5	0.079	11.3	296
15	0.10	13.5	247
18	0.11	15.3	206
25	0.14	19.5	148
30	0.17	2.6	123
36	0.21	29.2	103
50	0.29	40.3	74.0
60	0.34	48.7	61.7
75	0.43	59.8	49.3
90	0.51	72.3	41.1
100	0.57	80.7	37.0
120	0.69	97.4	30.8
150	0.77	109	24.7
180	0.93	131	20.6
225	0.98	136	17.3
250	0.98	139	16.0
300	0.98	139	13.9
360	0.98	139	12.0
450	0.98	139	9.9
500	0.98	139	8.9
600	0.98	139	7.6
750	0.98	139	6.2
900	0.98	139	5.2
1500	0.98	139	3.2
1800	0.98	139	2.7

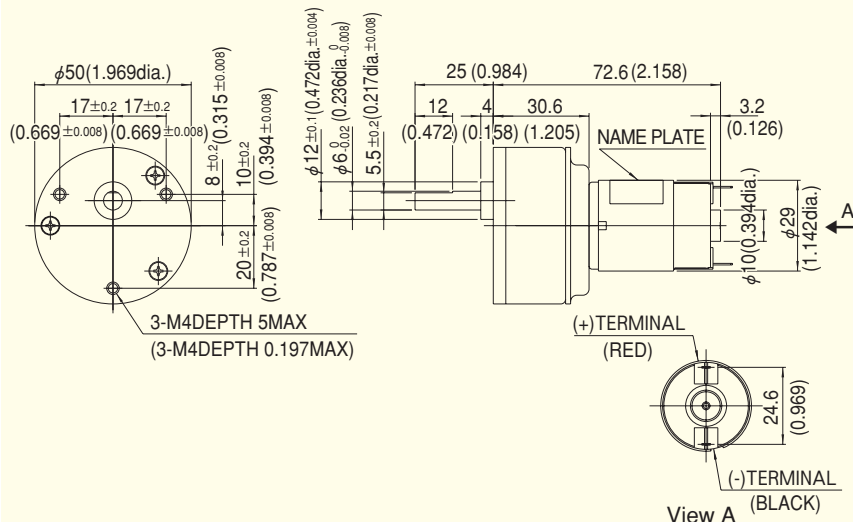
※ Enter the required reduction ratio in the □.

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

※ Enter the required voltage A or B in the ◇.

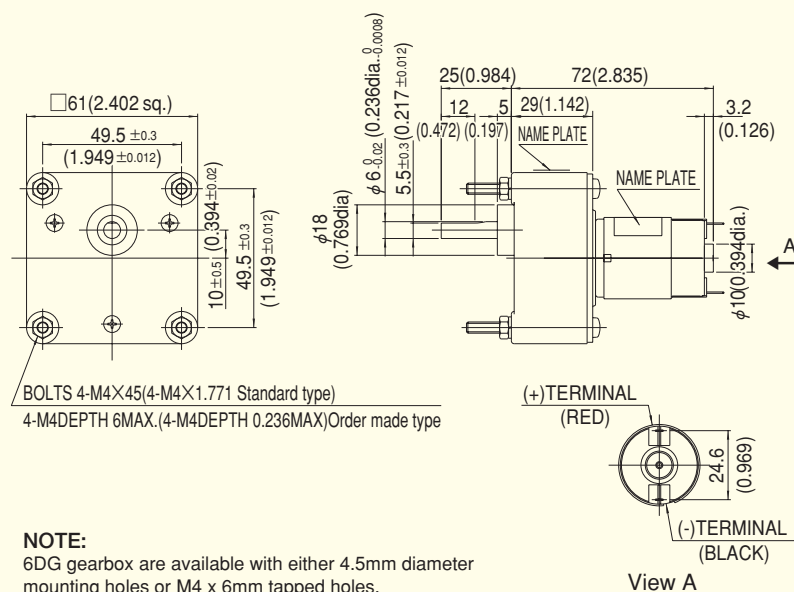
Outline

DMN29B50G□◇ WEIGHT:230g 0.51lb



Outline

DMN29B6HP◇+6DG□ WEIGHT:350g 0.77lb



NOTE:

6DG gearbox are available with either 4.5mm diameter mounting holes or M4 x 6mm tapped holes.

- Gearboxes with 4.5mm diameter mounting holes are available from stock.

When ordering, please write the motor model and gearbox model numbers separately, as in the following example:

DMN29B6HP◇ (Pinion shaft motor)

6DG□ (Gearbox)

- Gearboxes with M4 x 6mm tapped mounting holes are available on request.

When ordering, please write the combine motor and gearbox model, as in the following example : DMN29B6H□◇

- Enter the required reduction ratio in the □.
- Enter the required voltage A or B in the ◇.