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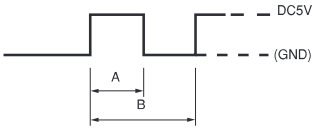
Find the *Nidec / Japan Servo Co. DME44S6HPA* at our website: *Click HERE*

DME

Motors with pulse generators:

There are two types of pulse generators that are featured in DME series motors : the magnetic and optical revolution sensor. (Note, the optical revolution sensor is available only in the DME34 model.) Both are incremental revolution sensor. And all the above generators can output Single Phase pulse signal only. When TWO Phase signal is required, contact our sales agent near you or directly to us. We may quote on case by case basis.

●STANDARD SPECIFICATION OF REVOLUTION SENSOR

REVOLUTION SENSOR TYPE	MAGNETIC	OPTICAL
PULSE PER REVOLUTION	12P/rev.	24P/rev.
INPUT VOLTAGE	DC5V±10%	DC5V±10%
CURRENT CONSUMPTION	5mA nominal	25mA nominal
DUTY (B/A)	50±20%	50±10%
OUTPUT WAVEFORM (COMMON)		



Magnetic Type



Optical Type

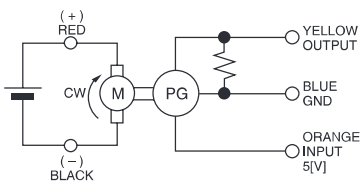
Magnetic Revolution Sensor :

Compared to the optical revolution sensor, the magnetic revolution sensor is more resistant to high temperatures, dust contaminations, vibrations and impact shocks. The design of the magnetic revolution sensor type motor is also more simple. In incremental type revolution sensor, pulse output signals are sent to a counter wherein the incremented value is displayed. Signal noise, here, lead to performance errors. Magnetic type revolution sensors are especially vulnerable to signal noise since the signal levels are usually very low (20mA to 30mA). Thus, make sure magnetic revolution sensor type motors are provided proper magnetic shielding, and signal lines are as short as possible (ideally within 5m).

Optical Revolution Sensor:

Long-life LED is used as the light emitter, and a phototransistor is used as the light detector. When using optical revolution sensor type motors, special considerations are needed to protect against dust and extreme temperatures. The most frequent causes of trouble in optical revolution sensors are : dust build-ups impairing proper optical properties ; and extreme leading to deterioration in light emission performance. Japan Servo can thus ensure full rated performance only in ambient temperatures between 0 to 40 degrees centigrade, and in dust-free conditions.

●CONNECTION



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DC SMALL MOTORS DME Series

The DME Series motor is a feasible and practical DC motor that is used popularly in many applications.

According to user demands, Japan Servo combines the DME motor with a wide variation of high-performance gearboxes to further increase the application possibilities for the DME Series.

Also, in response to demands for a simple, low-cost motor that has a certain amount of controllability, Japan Servo provides DME models that feature pulse generators (magnetic or optical PG).

For certain models of the DME Series, the motor and gearboxes can be ordered separately, allowing for much greater versatility by combining various type motors with a wide range of reduction gears. Please refer to the product line-up chart to select the DME Series motor that is just right for your specific needs.

●DME SERIES MOTOR'S CONSTRUCTION AND CHARACTERISTICS.

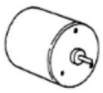
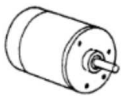
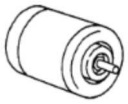
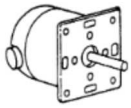
MODEL	BRUSH HOLDING	CORE SLOTS	BEARING	MAGNET	LIFE* (hrs)	OUTPUT POWER (W) S	B	K	J	5	10	15	PAGE
DME 25	Holder	3 slots	Sintered sleeve bearing	Anisotropic	1000		○			◎3			12
DME 33	Spring plate	3 slots	Sintered sleeve bearing	Isotropic	1000	○				◎0.7			15
				Anisotropic			○			◎3			
DME 34	Spring plate	3 slots	Sintered sleeve bearing	Isotropic	1000	○				◎1.3			21
				Anisotropic	(500)		○			◎	4.5		
								○			◎7		
DME 37	Holder	7 slots	Sintered sleeve bearing	Anisotropic	2000	○				◎	4.6		29
							○				◎7.2		
								○			◎	9.2	
									○				◎17.2
DME 44	Holder	10 slots	Ball bearing	Anisotropic	2000	○					◎	9.2	34
							○					◎ 14.8	
DME 60	Holder	12 slots	Sint. sleeve/Ball bearing	Isotropic	2000	○						◎ 13	38
				Anisotropic			○					26◎	

FEATURE	BRUSH HOLDER		BEARING		MAGNET	
	Holder:Long-life (1000 hours only for DME25, due to its high-speed operation)	2000hours	Ball bearing	:Long-life	Anisotropic	:High output
	Spring plate:Standard	1000hours	Sintered sleeve bearing	:Standard	Isotropic	:Standard

*Operated in motor alone, and single direction.

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●SELECTION CHART

		MOTOR SPECIFICATION					MOTOR ONLY	MOTORS WITH SENSOR		GEARED MOTORS		
		OUTPUT POWER		RATED VOLTAGE		RATED CURRENT		MAGNETIC REVOLUTION SENSOR	OPTICAL REVOLUTION SENSOR	36G	43G	
		W	CODE	V	CODE	A						
DME25		3	B	12 24	A B	0.47 0.23	DME25BA DME25BB			DME25B36G□A DME25B36G□B	DME25B43G□A DME25B43G□B	
DME33		0.7	S	12 24	A B	0.12 0.06	DME33SA DME33SB	DME33SMA DME33SMB		DME33S36G□A DME33S36G□B	DME33S43G□A DME33S43G□B	
		3	B	12 24	A B	0.42 0.22	DME33BA DME33BB	DME33BMA DME33BMB		DME33B36G□A DME33B36G□B	DME33B43G□A DME33B43G□B	
DME34		1.3	S	12 24	A B	0.20 0.10	DME34SA DME34SB	DME34SMA DME34SMB	DME34SEA DME34SEB	DME34S36G□A DME34S36G□B	DME34S43G□A DME34S43G□B	
		4.5	B	12 24	A B	0.65 0.31	DME34BA DME34BB	DME34BMA DME34BMB	DME34BEA DME34BEB	DME34B36G□A DME34B36G□B	DME34B43G□A DME34B43G□B	
		7	K	24	B	0.41	DME34KB	DME34KMB	DME34KEB			
DME37		4.6	S	12 24	A B	0.78 0.37	DME37SA DME37SB	DME37SMA DME37SMB				
		7.2	B	12 24	A B	1.01 0.53	DME37BA DME37BB	DME37BMA DME37BMB				
		9.2	K	12 24	A B	1.20 0.60	DME37KA DME37KB	DME37KMA DME37KMB				
		17.2	J	24	B	1.07	DME37JB	DME37JMB				
DME44		9.2	S	12 24	A B	1.31 0.65	DME44SA DME44SB	DME44SMA DME44SMB				
		14.8	B	24	B	0.94	DME44BB	DME44BMB				
DME60		13	S	12 24	A B	2.07 1.00	DME60SA DME60SB					
		26	B	24	B	2.2	DME60BB					
								12 PULSES PER REVOLUTION	24			

●MOTOR DESIGNATIONS

[1] MOTORS ONLY

DME 34 B A

- DME: SERIES NAME
- 34: MOTOR DIAMETER in (mm) — 25, 33, 34, 37, 44, 60
- B: OUTPUT POWER — S: STANDARD TYPE; B: HIGH POWER TYPE1; K: HIGH POWER TYPE2; J: HIGH POWER TYPE3
- A: RATED VOLTAGE — A: DC12V; B: DC24V

[2] MOTORS WITH SENSOR

DME 34 B M A

- M: TYPE OF SENSOR — M: MAGNETIC REVOLUTION SENSOR; E: OPTICAL REVOLUTION SENSOR

[3] GEARED MOTORS

DME 34 B 36G 10 A

- 36G: GEARBOX MODEL — 36G, 43G, 50G, 5C, L
- 10: GEAR RATIO

[4] MOTOR AND GEARBOX SUPPLIED SEPARATELY

DME 37 B 6H FP A

- FP: TYPE OF PINION SHAFT

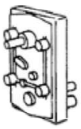
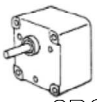
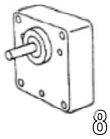
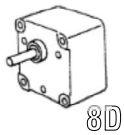
PINION SHAFT	MATCHING GEARBOX
6HP	6DG
6HFP	6DGF
8HP	8DG
8HFP	8DGF

6DG 15 F

- 6DG: GEARBOX TYPE — 6DG, 6DGF, 8DG, 8DGF
- 15: GEAR RATIO
- F

• Motors combined with gear heads are manufactured to order. The model code to be like: DME37B6DGF15B

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				MOTOR AND GEARBOX SUPPLIED SEPERATELY				
	 50G	 5C	 L	 6DG	 6DGF	 8DG	 8DGF	PAGE
			DME25BL□A DME25BL□B	DME25B6HPA DME25B6HPB				12~14
		DME33S5C□A DME33S5C□B	DME33SL□A DME33SL□B	DME33S6HPA DME33S6HPB				15~20
	DME33B50G□A DME33B50G□B	DME33B5C□A DME33B5C□B	DME33BL□A DME33BL□B	DME33B6HPA DME33B6HPB				
		DME34S5C□A DME34S5C□B	DME34SL□A DME34SL□B	DME34S6HPA DME34S6HPB				21~28
	DME34B50G□A DME34B50G□B	DME34B5C□A DME34B5C□B	DME34BL□A DME34BL□B	DME34B6HPA DME34B6HPB		DME34B8HPA DME34B8HPB		
		DME34K5C□B	DME34KL□B			DME34K8HPB		
	DME37S50G□A DME37S50G□B			DME37S6HPA DME37S6HPB				29~33
	DME37B50G□A DME37B50G□B			DME37B6HPA DME37B6HPB	DME37B6HFPA DME37B6HFPB	DME37B8HPA DME37B8HPB		
	DME37K50G□A DME37K50G□B			DME37K6HPA DME37K6HPB	DME37K6HFPA DME37K6HFPB	DME37K8HPA DME37K8HPB		
					DME37J6HFPB	DME37J8HPB	DME37J8HFPB	
	DME44S50G□A DME44S50G□B			DME44S6HPA DME44S6HPB	DME44S6HFPA DME44S6HFPB	DME44S8HPA DME44S8HPB		34~37
					DME44B6HFPB	DME44B8HPB	DME44B8HFPB	
				DME60S6HPA DME60S6HPB	DME60S6HFPA DME60S6HFPB	DME60S8HPA DME60S8HPB	DME60S8HFPA DME60S8HFPB	38~40
					DME60B6HFPB	DME60B8HPB	DME60B8HFPB	
	NOTE: □ DENOMINATOR OF REDUCTION RATIO			6DG□	6DG□F	8DG□	8DG□F	
				MODEL NAMES OF MATCHING GEARBOX.				

●GEAR-HEAD DESIGN

GEAR RATIO (Denominator)	36G	43G	50G	5C	L	6DG	6DGF	8DG	8DGF
5						○	○	○	○
9			○						
10	○	○							
12.5						○	●	○	○
15						○	●	○	○
18	●	●	○			○	●	○	○
20	●	●		●					
25						●	●	●	●
27			●						
30	●	●		●	○	●	●	●	●
36			●			●	●	●	●
40				●					
50	○	○		●	○	●	○	●	○
54			●						
60	○	○		●		●	○	●	○
72			●						
75	○	○				●	○	●	○
80				●					
96			○						
100	○	○		●		●	○	●	○
120	●	●			○	●	○	●	○
144			○						
150	●	●		●	○	○	○	●	○
180	●	●				○	○	●	○
192			○						
200	●	●		○	○				
250	●	●		○		○		○	
255					○				
256			○						
300	●	●		○		○		○	
400	○	○		○					
450						○		○	
500	○	○		○		●		●	
600	○	○						●	
750						●		●	
900						●		●	
1800						●		●	

○ : Output shaft rotates in the same direction with motor shaft.
● : Output shaft rotates reversed direction to motor shaft.

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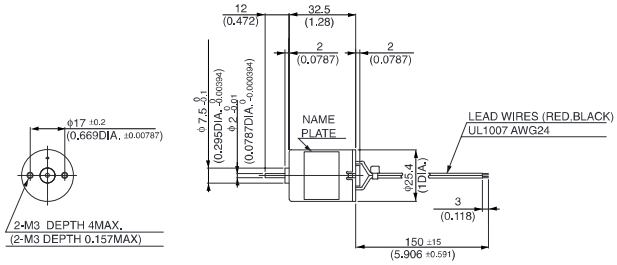
DME25

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
BA	12V	3W	0.47A
BB	24V	3W	0.23A



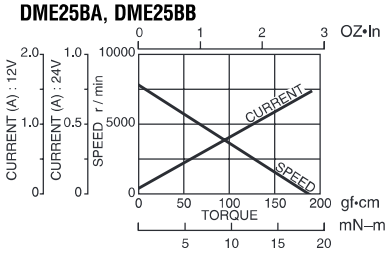
●DIMENSIONS Unit mm(inch)

DME25BA, DME25BB

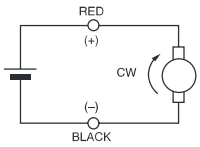


●CURRENT, SPEED-TORQUE CURVE

DME25BA, DME25BB



●CONNECTION



●STANDARD SPECIFICATIONS

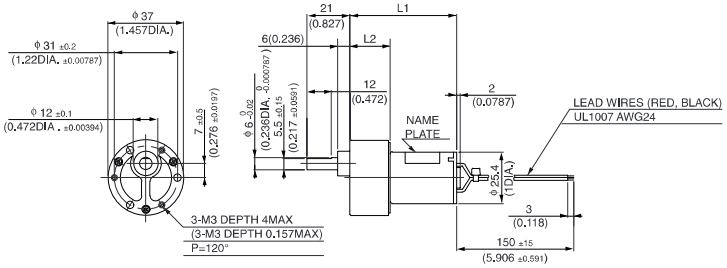
Model	Rated						No load		Stall torque		Weight	
	Output	Voltage	Torque		Current	Speed	Current	Speed	mN-m	oz·in		
	W	V	mN-m	oz·in	A	r/min	A	r/min			g	lb
DME25BA	3	12	4.9	0.69	0.47	5800	0.07	8000	17.7	2.50	55	0.12
DME25BB	3	24	4.9	0.69	0.23	5800	0.04	8000	17.7	2.50	55	0.12

WITH GEARBOX 36G

Gear heads for intermittent drive

●DIMENSIONS Unit mm(inch)

DME25B36G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10	52.3	2.059	19.8	0.78	160	0.35
18~30	54.8	2.157	22.3	0.878		
50~100	57.3	2.256	24.8	0.976		
120~300	59.8	2.354	27.3	1.075	180	0.40
400~600	62.3	2.453	29.8	1.173		

●with 36G TYPE GEARBOX

Model	Gear ratio		10	*18	*20	*30	50	60	75	100	*120	*150	*180
	Rated speed	r/min	580	322	290	193	116	96.6	77.3	58	48.3	40.1	35.2
DME25B36G□☆	Rated torque	N·m	0.04	0.068	0.071	0.1	0.15	0.18	0.23	0.32	0.34	0.39	0.39
		oz·in	5.55	9.03	10.14	15.28	22.22	26.39	33.33	45.83	48.61	55.55	55.55

Model	Gear ratio		*200	*250	*300	400	500	600
	Rated speed	r/min	32.5	27.2	23.3	17.9	14.6	12.4
DME25B36G□☆	Rated torque	N·m	0.39	0.39	0.39	0.39	0.39	0.39
		oz·in	55.55	55.55	55.55	55.55	55.55	55.55

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

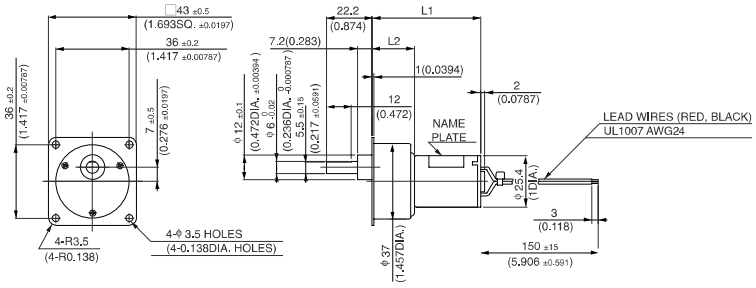
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WITH GEARBOX
43G

Gear heads for intermittent drive

●DIMENSIONS Unit mm(inch)

DME25B43G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10	50.8	2.000	18.3	0.720	160	0.35
18~30	53.3	2.098	20.8	0.819		
50~100	55.8	2.197	23.3	0.917		
120~300	58.3	2.295	25.8	1.016		
400~600	60.8	2.394	28.3	1.114		

●with 43G TYPE GEARBOX

Model	Gear ratio		10	*18	*20	*30	50	60	75	100	*120	*150
	Rated speed	r/min	580	322	290	193	116	96.6	77.3	58	48.3	40.1
DME25B43G□☆	Rated torque	N·m	0.04	0.068	0.071	0.1	0.15	0.18	0.23	0.32	0.34	0.39
		oz·in	5.55	9.03	10.14	15.28	22.22	26.39	33.33	45.83	48.61	55.55

Model	Gear ratio		*180	*200	*250	*300	400	500	600
	Rated speed	r/min	35.2	32.5	27.2	23.3	17.9	14.6	12.4
DME25B43G□☆	Rated torque	N·m	0.39	0.39	0.39	0.39	0.39	0.39	0.39
		oz·in	55.55	55.55	55.55	55.55	55.55	55.55	55.55

WITH GEARBOX
L

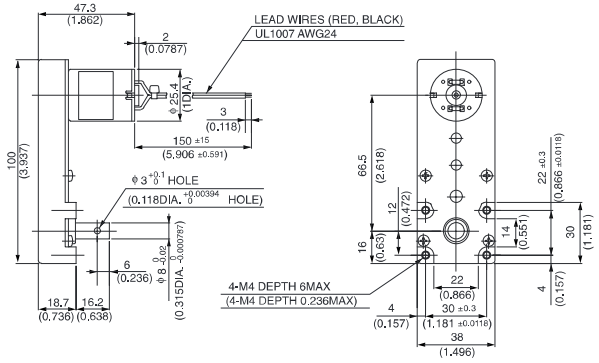
Gear heads for intermittent drive



L

●DIMENSIONS Unit mm(inch)

DME25BL



(WEIGHT 225 g 0.5 lb)

●with L TYPE GEARBOX

Model	Gear ratio		30	50	120	150	200	255
	Rated speed	r/min	193	116	48.3	38.6	29	22.7
DME25BL□☆	Rated torque	N·m	0.09	0.14	0.34	0.43	0.58	0.74
		oz·in	12.22	19.44	48.61	61.10	81.93	104.15

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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DME25

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
BA	12V	3W	0.47A
BB	24V	3W	0.23A

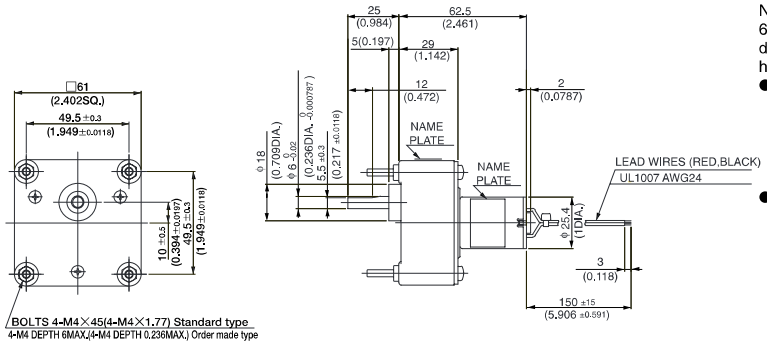
WITH GEARBOX
6DG



6DG

●DIMENSIONS Unit mm(inch)

DME25B6DG



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:
  DME25B6HPB (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 :
  DME25B6H□B

(WEIGHT 355 g 0.78 lb)

●with 6DG TYPE GEARBOX MOTOR MODEL **DME25B6HP☆** & GEARBOX MODEL **6DG□**

Model	Gear ratio		5	12.5	15	*25	*30	*50	*75	*100	150	180	250
	Rated speed	r/min	1160	464	386	232	193	116	77.3	58	38.6	32.2	23.2
DME25B6HP□☆ **&6DG□**	Rated torque	N·m	0.02	0.05	0.06	0.1	0.11	0.18	0.27	0.36	0.49	0.59	0.82
		oz·in	2.78	6.94	8.33	12.64	15.28	25.00	37.50	49.99	68.05	81.93	113.87

Model	Gear ratio		300	450	*500	*750	*900	*1800
	Rated speed	r/min	19.3	14.4	13	9.3	7.9	4.2
DME25B6HP□☆ **&6DG□**	Rated torque	N·m	0.96	0.98	0.98	0.98	0.98	0.98
		oz·in	136.09	138.87	138.87	138.87	138.87	138.87

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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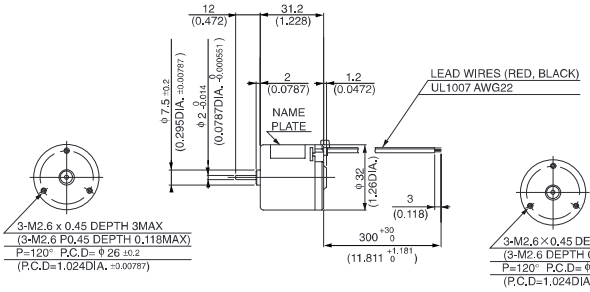
DME33

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	0.7W	0.12A
SB	24V	0.7W	0.06A
BA	12V	3.0W	0.42A
BB	24V	3.0W	0.22A

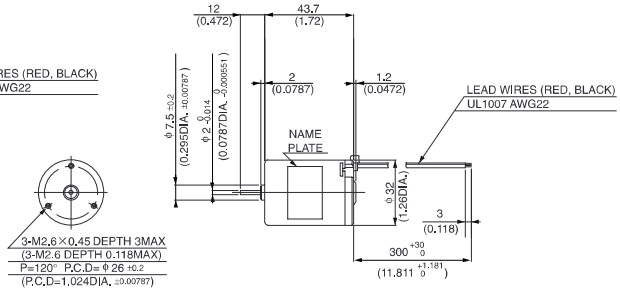


●DIMENSIONS Unit mm(inch)

DME33SA, DME33SB

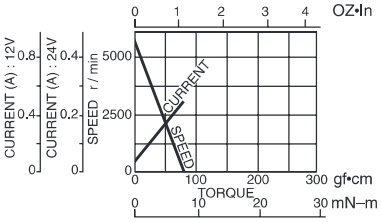


DME33BA, DME33BB

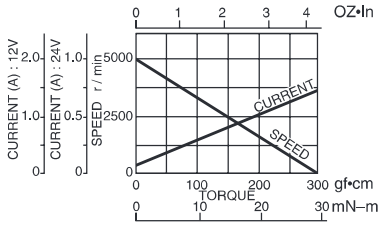


●CURRENT, SPEED-TORQUE CURVE

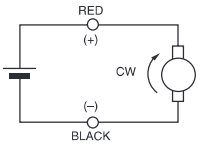
DME33SA, DME33SB



DME33BA, DME33BB



●CONNECTION

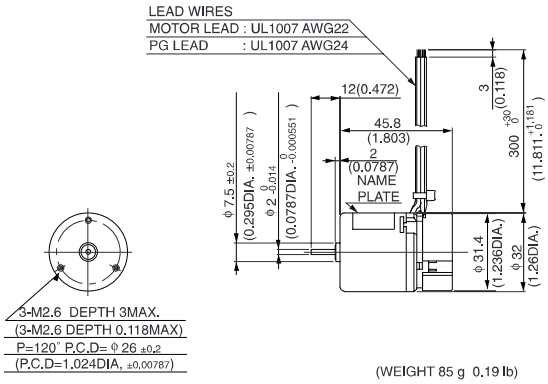


●STANDARD SPECIFICATIONS

Model	Rated						No load		Stall torque		Weight	
	Output	Voltage	Torque		Current	Speed	Current	Speed	mN-m	oz-in		
	W	V	mN-m	oz-in	A	r/min	A	r/min			g	lb
DME33SA	0.7	12	1.5	0.21	0.12	4500	0.05	5500	7.8	1.11	70	0.15
DME33SB	0.7	24	1.5	0.21	0.06	4500	0.02	5500	7.8	1.11	70	0.15
DME33BA	3	12	7.8	1.11	0.42	3700	0.06	5000	29	4.17	100	0.22
DME33BB	3	24	7.8	1.11	0.22	3700	0.04	5000	29	4.17	100	0.22

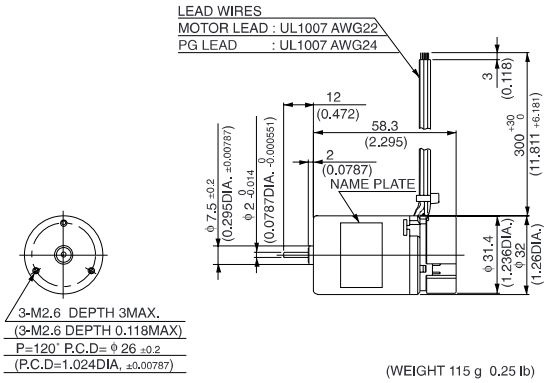
●REVOLUTION SENSOR MAGNET TYPE

DME33SMA, DME33SMB



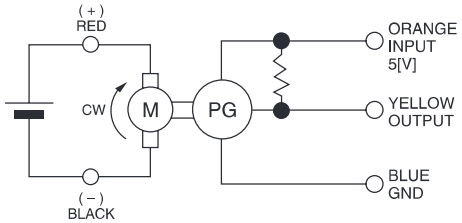
(WEIGHT 85 g 0.19 lb)

DME33BMA, DME33BMB



(WEIGHT 115 g 0.25 lb)

●CONECTION OF REVOLUTION SENSOR



●SPECIFICATION OF REVOLUTION SENSOR SHOWN ON PAGE 8.

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DME33

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	0.7W	0.12A
SB	24V	0.7W	0.06A
BA	12V	3.0W	0.42A
BB	24V	3.0W	0.22A

WITH GEARBOX 36G

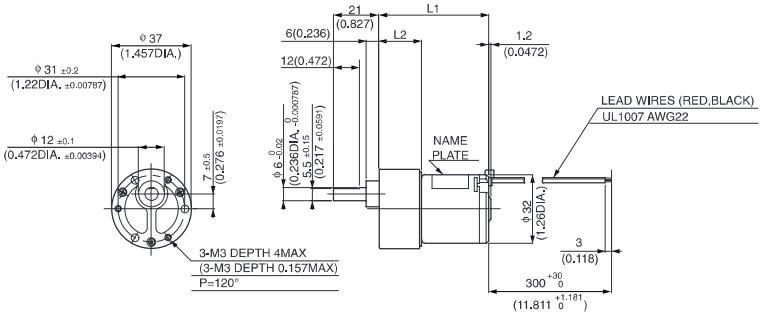
Gear heads for intermittent drive



36G

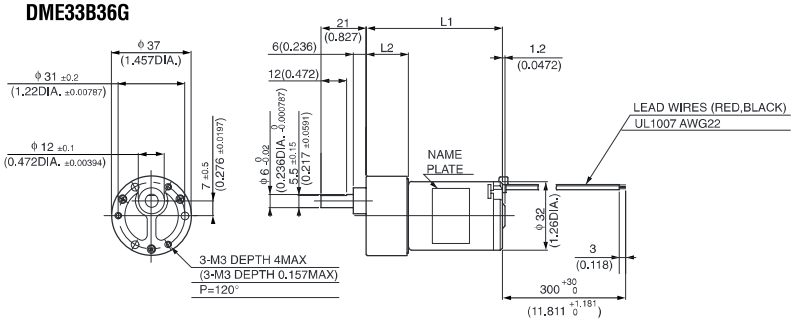
●DIMENSIONS Unit mm(inch)

DME33S36G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10	51.0	2.008	19.8	0.78	170	0.37
18~30	53.5	2.106	22.3	0.878		
50~100	56.0	2.204	24.8	0.976		
120~300	58.5	2.303	27.3	1.075	190	0.42
400~600	61.0	2.402	29.8	1.173		

DME33B36G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10	63.5	2.5	19.8	0.78	200	0.44
18~30	66.0	2.598	22.3	0.878		
50~100	68.5	2.697	24.8	0.976		
120~300	71.0	2.795	27.3	1.075	220	0.49
400~600	73.5	2.894	29.8	1.173		

●with 36G TYPE GEARBOX

Model	Gear ratio		10	*18	*20	*30	50	60	75	100	*120	*150	*180
	Rated speed	r/min	450	250	225	150	90	75	60	45	37.5	30	25
DME33S36G□☆	Rated torque	N·m	0.011	0.018	0.021	0.032	0.048	0.058	0.072	0.096	0.098	0.12	0.15
		oz·in	1.67	2.64	3.06	4.58	6.80	8.19	10.28	13.61	13.89	18.05	22.22
	Rated speed	r/min	370	205	185	123	74	61.6	49.3	40	34	28.4	24.4
DME33B36G□☆	Rated torque	N·m	0.063	0.1	0.11	0.16	0.25	0.3	0.38	0.39	0.39	0.39	0.39
		oz·in	9.03	13.89	15.28	23.61	36.11	43.05	54.16	55.55	55.55	55.55	55.55

Model	Gear ratio		*200	*250	*300	400	500	600
	Rated speed	r/min	22.5	18	15	11.2	9	7.7
DME33S36G□☆	Rated torque	N·m	0.16	0.21	0.25	0.31	0.39	0.39
		oz·in	23.61	30.55	36.11	44.44	55.55	55.55
	Rated speed	r/min	22.2	18.2	15.4	11.7	9.5	8
DME33B36G□☆	Rated torque	N·m	0.39	0.39	0.39	0.39	0.39	0.39
		oz·in	55.55	55.55	55.55	55.55	55.55	55.55

NOTE 1: Enter the required reduction ratio in the □.
2: *Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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WITH GEARBOX

43G

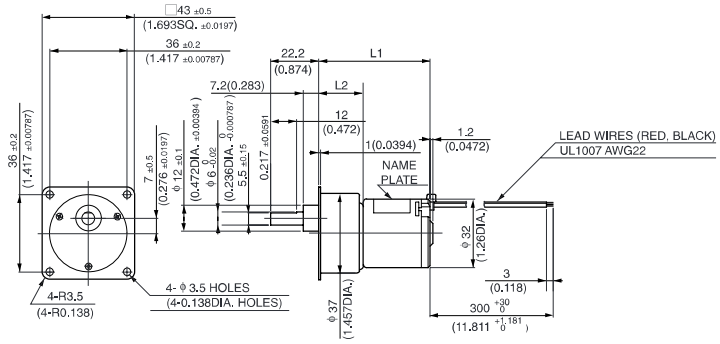
Gear heads for intermittent drive



43G

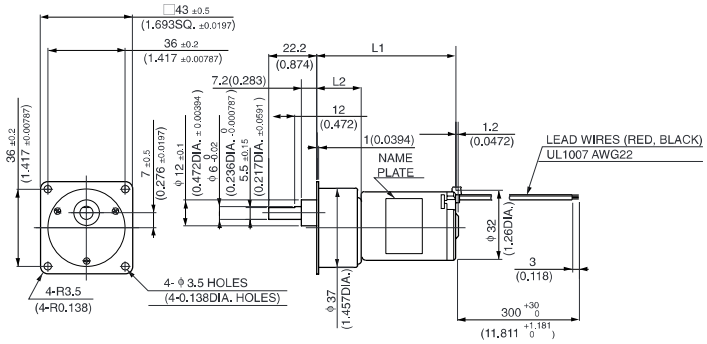
●DIMENSIONS Unit mm(inch)

DME33S43G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10	49.5	1.949	18.3	0.720	200	0.44
18~30	52	2.047	20.8	0.819		
50~100	54.5	2.146	23.3	0.917		
120~300	57	2.244	25.8	1.016		
400~600	59.5	2.343	28.3	1.114		

DME33B43G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10	62	2.441	18.3	0.720	220	0.49
18~30	64.5	2.539	20.8	0.819		
50~100	67	2.638	23.3	0.917		
120~300	69.5	2.736	25.8	1.016		
400~600	72	2.835	28.3	1.114		

●with 43G TYPE GEARBOX

Model	Gear ratio		10	*18	*20	*30	50	60	75	100	*120	*150
	Rated speed	r/min	450	250	225	150	90	75	60	45	37.5	30
DME33S43G□☆	Rated torque	N·m	0.011	0.018	0.021	0.032	0.048	0.058	0.072	0.096	0.098	0.12
		oz·in	1.67	2.64	3.06	4.58	6.80	8.19	10.28	13.61	13.89	18.05
DME33B43G□☆	Rated speed	r/min	370	205	185	123	74	61.6	49.3	40	34	28.4
	Rated torque	N·m	0.064	0.1	0.11	0.16	0.25	0.3	0.38	0.39	0.39	0.39
		oz·in	9.03	13.89	15.28	23.61	36.11	43.05	54.16	55.55	55.55	55.55

Model	Gear ratio		*180	*200	*250	*300	400	500	600
	Rated speed	r/min	25	22.5	18	15	11.2	9	7.7
DME33S43G□☆	Rated torque	N·m	0.15	0.16	0.21	0.25	0.31	0.39	0.39
		oz·in	22.22	23.61	30.55	36.11	44.44	55.55	55.55
DME33B43G□☆	Rated speed	r/min	24.4	22.2	18.2	15.4	11.7	9.5	8
	Rated torque	N·m	0.39	0.39	0.39	0.39	0.39	0.39	0.39
		oz·in	55.55	55.55	55.55	55.55	55.55	55.55	55.55

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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DME33

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	0.7W	0.12A
SB	24V	0.7W	0.06A
BA	12V	3.0W	0.42A
BB	24V	3.0W	0.22A

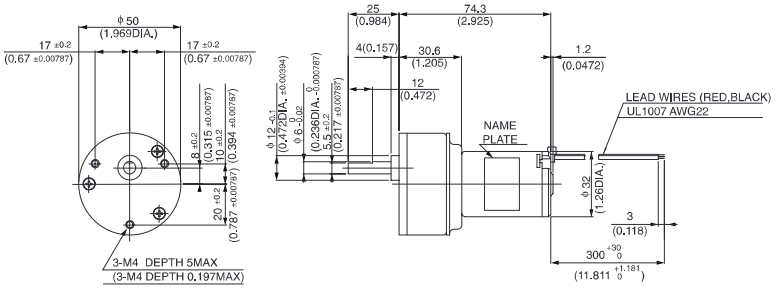
WITH GEARBOX 50G



50G

●DIMENSIONS Unit mm(inch)

DME33B50G



(WEIGHT 300g 0.66 lb)

●with 50G TYPE GEARBOX

Model	Gear ratio		9	18	*27	*36	*54	*72	96	144	192	256
	Rated speed	r/min	411	205	137	102	68.5	51.3	38.5	25.7	19.3	15.7
DME33B50G□☆	Rated torque	N·m	0.057	0.11	0.15	0.21	0.3	0.41	0.49	0.74	0.98	0.98
		oz·in	8.05	15.28	20.83	29.16	43.05	58.33	69.44	104.15	138.87	138.87

WITH GEARBOX L

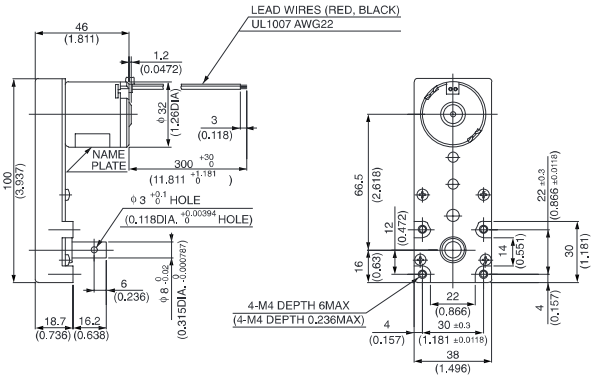
Gear heads for intermittent drive



L

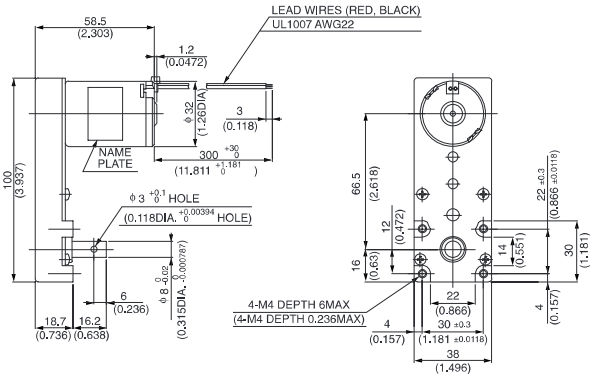
●DIMENSIONS Unit mm(inch)

DME33SL



(WEIGHT 240 g 0.53 lb)

DME33BL



(WEIGHT 270 g 0.6 lb)

●with L TYPE GEARBOX

Model	Gear ratio		30	50	120	150	200	255
	Rated speed	r/min	150	90	37.5	30	22.5	17.6
DME33SL□☆	Rated torque	N·m	0.025	0.043	0.098	0.13	0.17	0.22
		oz·in	3.61	6.11	13.89	18.05	23.61	30.55
	Rated speed	r/min	139	83.7	34.9	27.9	20.9	16.4
DME33BL□☆	Rated torque	N·m	0.086	0.14	0.34	0.43	0.58	0.74
		oz·in	12.22	19.44	48.61	61.10	81.93	104.15

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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WITH GEARBOX

5C

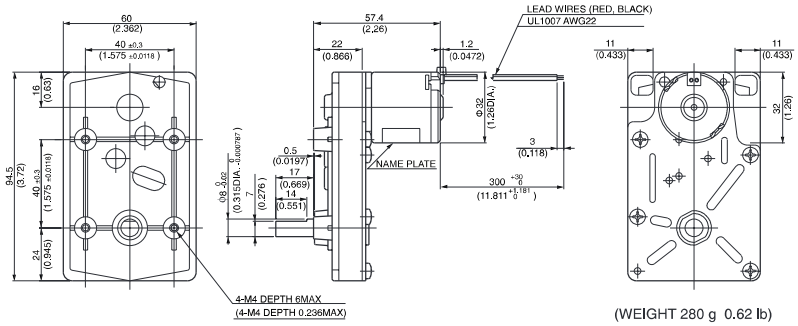
Gear heads for intermittent drive



5C

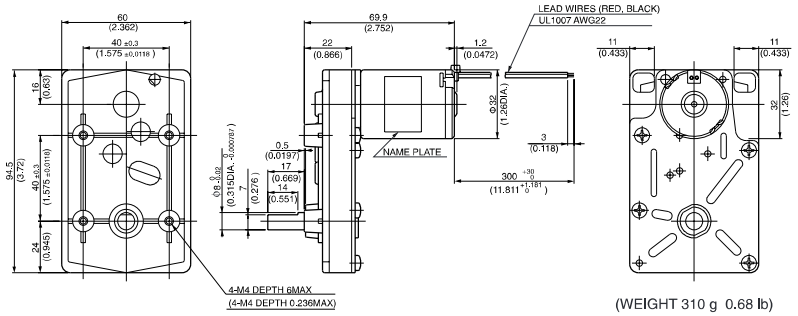
●DIMENSIONS Unit mm(inch)

DME33S5C



(WEIGHT 280 g 0.62 lb)

DME33B5C



(WEIGHT 310 g 0.68 lb)

●with 5C TYPE GEARBOX

Model	Gear ratio		*20	*30	*40	*50	*60	*80	*100	*150	200	250
	Rated speed	r/min	225	150	112	90	75	56.2	45	30	22.5	18
DME33S5C□☆	Rated torque	N·m	0.022	0.032	0.043	0.053	0.064	0.085	0.11	0.16	0.19	0.24
		oz·in	3.06	4.58	6.11	7.50	9.03	12.08	15.28	22.22	26.39	33.33
DME33B5C□☆	Rated speed	r/min	185	123	92.5	74	61.6	46.2	37	24.6	18.8	16
	Rated torque	N·m	0.11	0.17	0.23	0.28	0.34	0.46	0.57	0.85	0.98	0.98
		oz·in	15.28	23.61	31.94	40.27	48.61	63.88	80.55	120.82	138.87	138.87

Model	Gear ratio		300	400	500
	Rated speed	r/min	15	11.2	9
DME33S5C□☆	Rated torque	N·m	0.28	0.38	0.48
		oz·in	40.27	54.16	68.05
DME33B5C□☆	Rated speed	r/min	13.9	10.9	9
	Rated torque	N·m	0.98	0.98	0.98
		oz·in	138.87	138.87	138.87

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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DME33

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	0.7W	0.12A
SB	24V	0.7W	0.06A
BA	12V	3.0W	0.42A
BB	24V	3.0W	0.22A

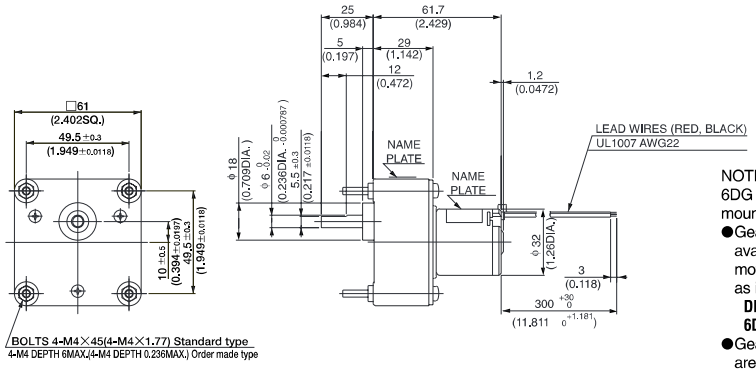
WITH GEARBOX 6DG



6DG

●DIMENSIONS Unit mm(inch)

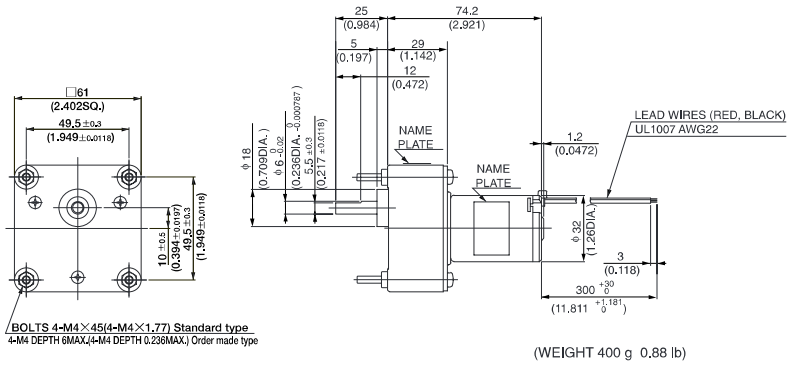
DME33S6DG



(WEIGHT 370 g 0.82 lb)

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:
  DME33B6HPB (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 : **DME33B6H□B**

DME33B6DG



(WEIGHT 400 g 0.88 lb)

●with 6DG TYPE GEARBOX MOTOR MODEL **DME33S6HP☆** or **DME33B6HP☆** & GEARBOX MODEL **6DG□**

Model	Gear ratio		5	12.5	15	*25	*30	*50	*75	*100	150	180	250
	Rated speed	r/min	900	360	300	180	150	90	60	45	30	25	18
DME33S6HP☆ & 6DG□	Rated torque	N·m	0.006	0.015	0.018	0.026	0.032	0.053	0.08	0.11	0.14	0.17	0.24
		oz·in	0.83	2.08	2.50	3.75	4.58	7.50	11.39	15.28	19.44	23.61	33.33
DME33B6HP☆ & 6DG□	Rated speed	r/min	740	296	246	148	123	74	49.3	37	24.6	20.5	16
	Rated torque	N·m	0.031	0.079	0.095	0.14	0.17	0.28	0.42	0.57	0.77	0.92	0.98
		oz·in	4.44	11.25	13.47	19.44	23.61	40.27	59.71	80.55	108.32	130.54	138.87

Model	Gear ratio		300	450	*500	*750	*900	*1800
	Rated speed	r/min	15	10	9	6	5	2.4
DME33S6HP☆ & 6DG□	Rated torque	N·m	0.28	0.43	0.43	0.65	0.77	0.98
		oz·in	40.27	61.10	61.10	91.66	109.71	138.87
DME33B6HP☆ & 6DG□	Rated speed	r/min	13.9	9.9	8.9	6.1	5.2	2.7
	Rated torque	N·m	0.98	0.98	0.98	0.98	0.98	0.98
		oz·in	138.87	138.87	138.87	138.87	138.87	138.87

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

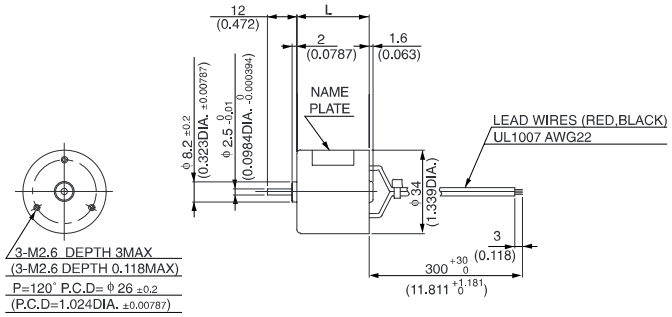
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DME34

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	1.3W	0.2A
SB	24V	1.3W	0.1A
BA	12V	4.5W	0.65A
BB	24V	4.5W	0.31A
KB	24V	7W	0.41A

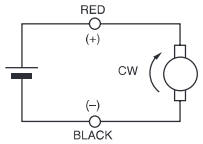


●DIMENSIONS Unit mm(inch)



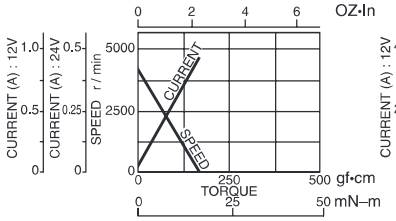
Model	L	Weight	
		g	lb
DME34SA DME34SB	29.5	100	0.22
DME34BA DME34BB	35.0	110	0.24
DME34KB	45	140	0.31

●CONNECTION

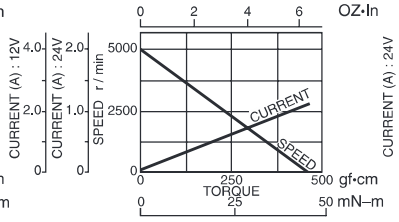


●CURRENT, SPEED-TORQUE CURVE

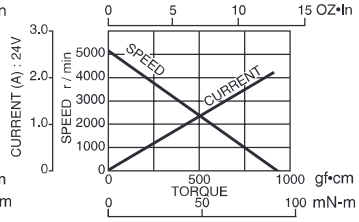
DME34SA, DME34SB



DME34BA, DME34BB



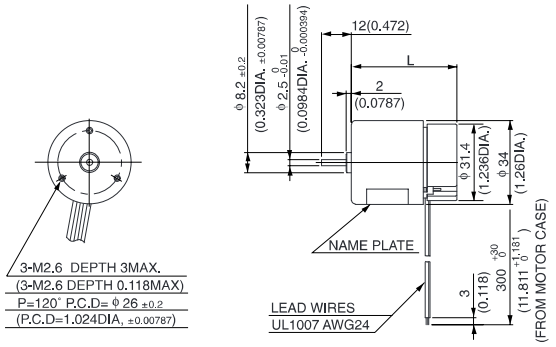
DME34KB



●STANDARD SPECIFICATIONS

Model	Rated						No load		Stall torque	
	Output	Voltage	Torque		Current	Speed	Current	Speed	mN-m	oz·in
	W	V	mN-m	oz·in	A	r/min	A	r/min		
DME34SA	1.3	12	3.9	0.56	0.2	3300	0.04	4300	17	2.36
DME34SB	1.3	24	3.9	0.56	0.1	3300	0.02	4300	17	2.36
DME34BA	4.5	12	11.8	1.67	0.65	3700	0.07	5000	45	6.39
DME34BB	4.5	24	11.8	1.67	0.31	3700	0.04	5000	45	6.39
DME34KB	7	24	14.7	2.08	0.41	4300	0.06	5100	92	13.03

●REVOLUTION SENSOR MAGNET TYPE



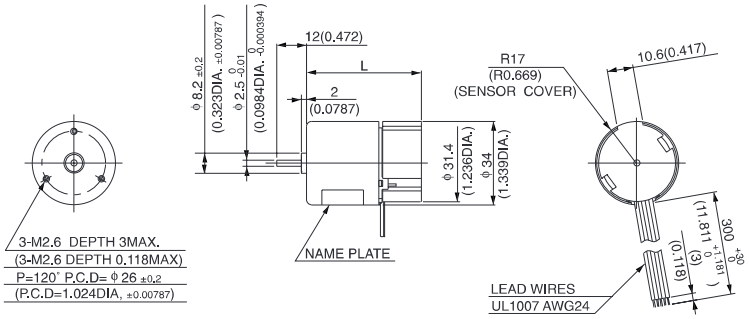
Model	L	Weight	
		g	lb
DME34SMA DME34SMB	43.1	110	0.24
DME34BMA DME34BMB	48.6	120	0.26
DME34KMB	58.6	150	0.33

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DME34

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	1.3W	0.2A
SB	24V	1.3W	0.1A
BA	12V	4.5W	0.65A
BB	24V	4.5W	0.31A
KB	24V	7W	0.41A

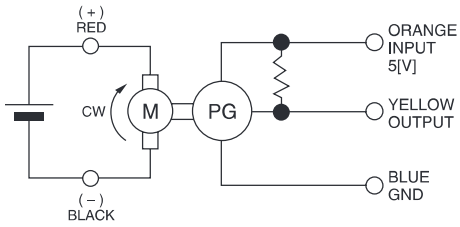
●REVOLUTION SENSOR OPTICAL TYPE



Model	L	Weight	
		g	lb
DME34SEA DME34SEB	47.1	120	0.26
DME34BEA DME34BEB	52.6	130	0.29
DME34KEB	62.6	160	0.35

●CONNECTION OF REVOLUTION SENSOR

DME34SMA, DME34SMB, DME34BMA, DME34BMB
DME34SEA, DME34SEB, DME34BEA, DME34BEB



●SPECIFICATION OF REVOLUTION SENSOR ARE SHOWN ON PAGE 8.

WITH GEARBOX

36G

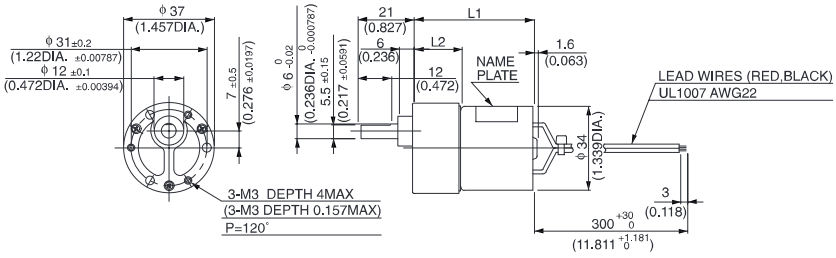
Gear heads for intermittent drive



36G

●DIMENSIONS Unit mm(inch)

DME34S36G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10	49.3	1.941	19.8	0.78	200	0.44
18~30	51.8	2.039	22.3	0.878		
50~100	54.3	2.138	24.8	0.976		
120~300	56.8	2.236	27.3	1.075	220	0.49
400~600	59.3	2.335	29.8	1.173		

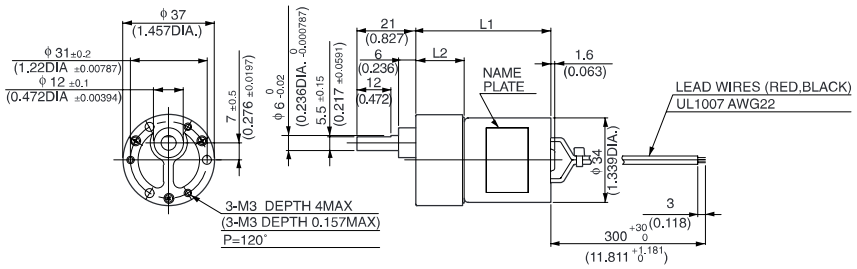
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WITH GEARBOX

36G

Gear heads for intermittent drive

DME34B36G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10	54.8	2.157	19.8	0.78	210	0.46
18~30	57.3	2.256	22.3	0.878		
50~100	59.8	2.354	24.8	0.976		
120~300	62.6	2.465	27.3	1.075	230	0.51
400~600	64.8	2.551	29.8	1.173		

●with 36G TYPE GEARBOX

Model	Gear ratio		10	*18	*20	*30	50	60	75	100	*120	*150	*180
	Rated speed	r/min	330	183	165	110	66	55	44	33	27.5	22	18.6
DME34S36G□☆	Rated torque	N·m	0.031	0.052	0.06	0.09	0.12	0.14	0.18	0.25	0.27	0.34	0.39
		oz·in	4.44	7.22	8.33	12.50	18.05	20.83	26.39	36.11	38.88	48.61	55.55
DME34B36G□☆	Rated speed	r/min	370	205	185	123	74	65	54.9	43.4	36.5	30	25.5
	Rated torque	N·m	0.095	0.14	0.16	0.25	0.38	0.39	0.39	0.39	0.39	0.39	0.39
		oz·in	13.47	20.83	23.61	36.11	54.16	55.55	55.55	55.55	55.55	55.55	55.55

Model	Gear ratio		*200	*250	*300	400	500	600
	Rated speed	r/min	17.2	14.5	12.4	9.5	7.8	6.6
DME34S36G□☆	Rated torque	N·m	0.39	0.39	0.39	0.39	0.39	0.39
		oz·in	55.55	55.55	55.55	55.55	55.55	55.55
DME34B36G□☆	Rated speed	r/min	23.1	18.8	15.8	12	9.6	8.1
	Rated torque	N·m	0.39	0.39	0.39	0.39	0.39	0.39
		oz·in	55.55	55.55	55.55	55.55	55.55	55.55

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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DME34

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	1.3W	0.2A
SB	24V	1.3W	0.1A
BA	12V	4.5W	0.65A
BB	24V	4.5W	0.31A
KB	24V	7W	0.41A

WITH GEARBOX
43G

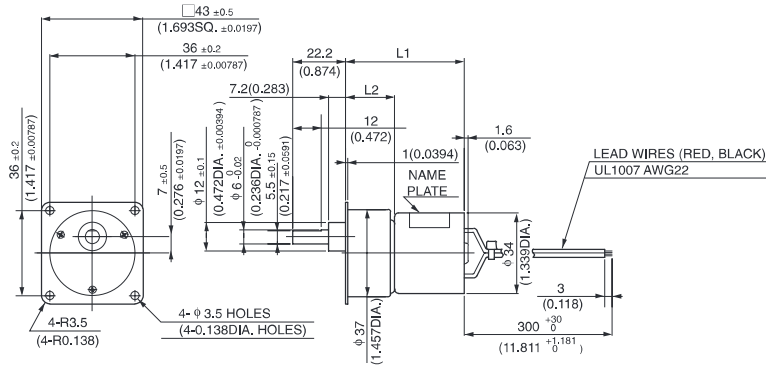
Gear heads for intermittent drive



43G

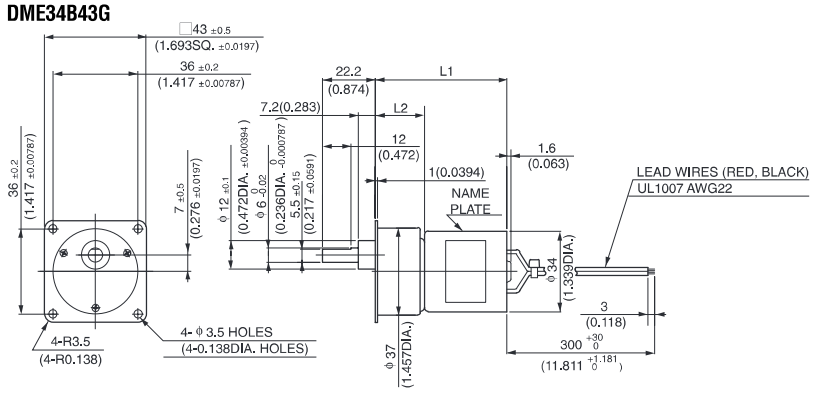
●DIMENSIONS Unit mm(inch)

DME34S43G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10	47.8	1.882	18.3	0.720	200	0.44
18~30	50.3	1.980	20.8	0.819		
50~100	52.8	2.079	23.3	0.917		
120~300	55.3	2.177	25.8	1.016		
400~600	57.8	2.276	28.3	1.114		

DME34B43G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10	53.3	2.098	18.3	0.720	210	0.46
18~30	55.8	2.197	20.8	0.819		
50~100	58.3	2.295	23.3	0.917		
120~300	60.8	2.394	25.8	1.016		
400~600	63.3	2.492	28.3	1.114		

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●with 43G TYPE GEARBOX

Model	Gear ratio		10	*18	*20	*30	50	60	75	100	*120	*150
	Rated speed	r/min	330	183	165	110	66	55	44	33	27.5	22
DME34S43G□☆	Rated torque	N·m	0.031	0.052	0.06	0.09	0.12	0.14	0.18	0.25	0.27	0.34
		oz·in	4.44	7.22	8.33	12.50	18.05	20.83	26.39	36.11	38.88	48.61
	Rated speed	r/min	370	205	185	123	74	65	54.9	43.4	36.5	30
DME34B43G□☆	Rated torque	N·m	0.095	0.14	0.16	0.25	0.38	0.39	0.39	0.39	0.39	0.39
		oz·in	13.47	20.83	23.61	36.11	54.16	55.55	55.55	55.55	55.55	55.55

Model	Gear ratio		*180	*200	*250	*300	400	500	600
	Rated speed	r/min	18.6	17.2	14.5	12.4	9.5	7.8	6.6
DME34S43G□☆	Rated torque	N·m	0.39	0.39	0.39	0.39	0.39	0.39	0.39
		oz·in	55.55	55.55	55.55	55.55	55.55	55.55	55.55
	Rated speed	r/min	25.5	23.1	18.8	15.8	12	9.6	8.1
DME34B43G□☆	Rated torque	N·m	0.39	0.39	0.39	0.39	0.39	0.39	0.39
		oz·in	55.55	55.55	55.55	55.55	55.55	55.55	55.55

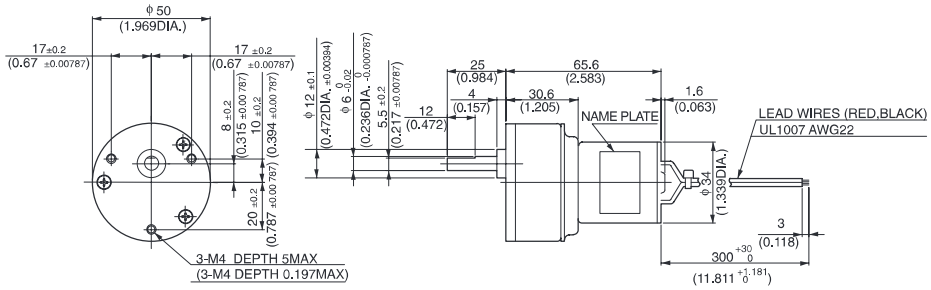
WITH GEARBOX
50G



50G

●DIMENSIONS Unit mm(inch)

DME34B50G



(WEIGHT 310g 0.68lb)

●with 50G TYPE GEARBOX

Model	Gear ratio		9	18	*27	*36	*54	*72	96	144	192	256
	Rated speed	r/min	411	205	137	102	68.5	51.4	38.5	26.7	21.5	17
DME34B50G□☆	Rated torque	N·m	0.085	0.17	0.23	0.3	0.46	0.62	0.74	0.98	0.98	0.98
		oz·in	12.08	23.61	31.94	43.05	65.27	87.49	104.15	138.87	138.87	138.87

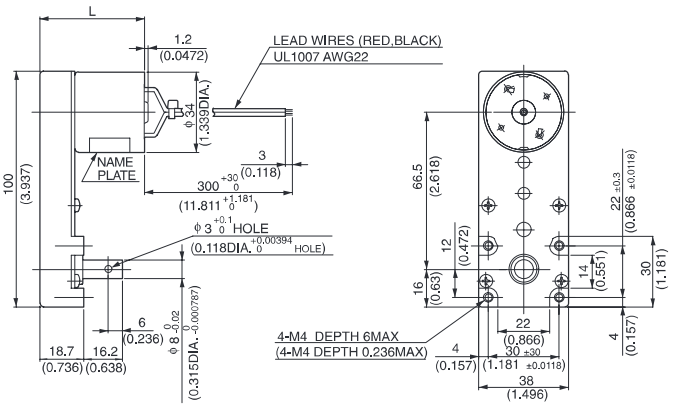
WITH GEARBOX
L

Gear heads for intermittent drive



L

●DIMENSIONS Unit mm(inch)



Model	L	Weight	
		g	lb
DME34SL	44.3	270	0.6
DME34BL	49.8	280	0.62
DME34KL	59.8	310	0.68

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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DME34

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	1.3W	0.2A
SB	24V	1.3W	0.1A
BA	12V	4.5W	0.65A
BB	24V	4.5W	0.31A
KB	24V	7W	0.41A

WITH GEARBOX
L

Gear heads for intermittent drive

●with L TYPE GEARBOX

Model	Gear ratio		30	50	120	150	200	255
	Rated speed	r/min	110	66	27	22	16	13
DME34SL□☆	Rated torque	N·m	0.07	0.11	0.28	0.34	0.46	0.59
		oz·in	9.72	15.28	38.88	48.61	65.27	83.32
DME34BL□☆	Rated speed	r/min	123	74	30.8	25.1	20.4	16.8
	Rated torque	N·m	0.21	0.34	0.83	0.98	0.98	0.98
		oz·in	29.16	48.61	118.04	138.87	138.87	138.87
DME34KL□B	Rated speed	r/min	143	86.0	36.2	30.0	23.2	18.6
	Rated torque	N·m	0.26	0.43	0.98	0.98	0.98	0.98
		oz·in	36.81	60.88	138.87	138.87	138.87	138.87

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

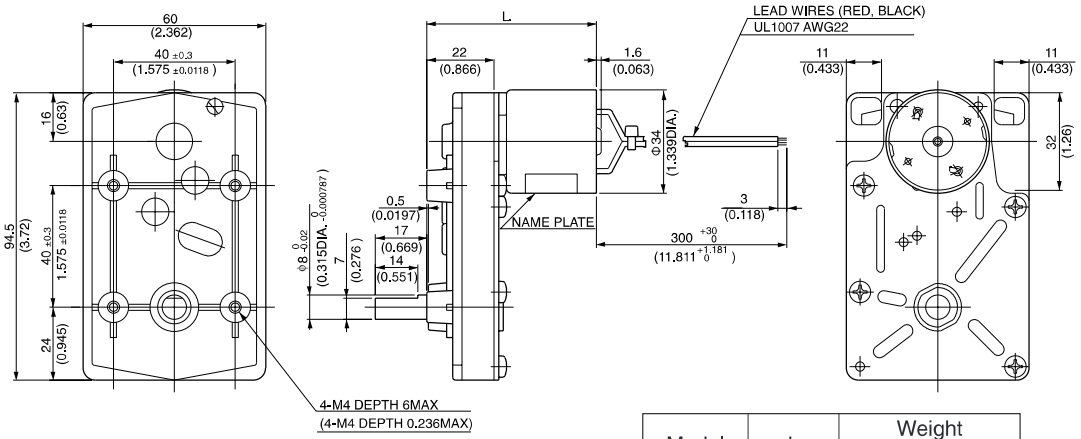
WITH GEARBOX
5C

Gear heads for intermittent drive



5C

●DIMENSIONS Unit mm(inch)



Model	L	Weight	
		g	lb
DME34S5C	55.7	310	0.68
DME34B5C	61.2	320	0.71
DME34K5C	71.2	350	0.77

●with 5C TYPE GEARBOX

Model	Gear ratio		*20	*30	*40	*50	*60	*80	*100	*150	200	250
	Rated speed	r/min	165	110	82.5	66	55	41.2	33	22	16.5	13.2
DME34S5C□☆	Rated torque	N·m	0.057	0.085	0.11	0.14	0.17	0.23	0.28	0.42	0.51	0.64
		oz·in	8.05	12.08	15.28	19.44	23.61	31.94	40.27	59.71	72.21	90.27
DME34B5C□☆	Rated speed	r/min	185	123	92.5	74	61.6	46.2	37	26.7	20.8	17.3
	Rated torque	N·m	0.17	0.25	0.34	0.42	0.51	0.69	0.85	0.98	0.98	0.98
		oz·in	23.61	36.11	48.61	59.71	72.21	97.21	120.82	138.87	138.87	138.87
DME34K5C□B	Rated speed	r/min	215	143	107	86.0	71.6	53.7	43.7	30.7	23.4	19.1
	Rated torque	N·m	0.21	0.32	0.43	0.53	0.64	0.85	0.98	0.98	0.98	0.98
		oz·in	29.73	45.31	60.88	75.04	90.62	120.35	138.87	138.87	138.87	138.87

Model	Gear ratio		300	400	500
	Rated speed	r/min	11	8.3	7
DME34S5C□☆	Rated torque	N·m	0.77	0.98	0.98
		oz·in	108.32	138.87	138.87
DME34B5C□☆	Rated speed	r/min	14.8	11.4	9.3
	Rated torque	N·m	0.98	0.98	0.98
		oz·in	138.87	138.87	138.87
DME34K5C□B	Rated speed	r/min	16.1	12.2	9.87
	Rated torque	N·m	0.98	0.98	0.98
		oz·in	138.87	138.87	138.87

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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WITH GEARBOX

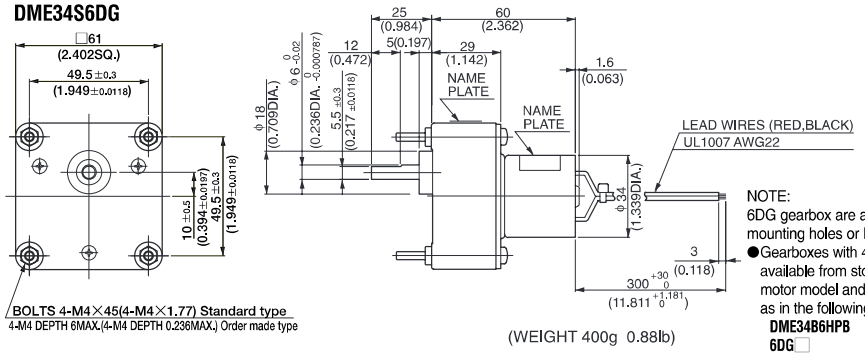
6DG



6DG

●DIMENSIONS Unit mm(inch)

DME34S6DG

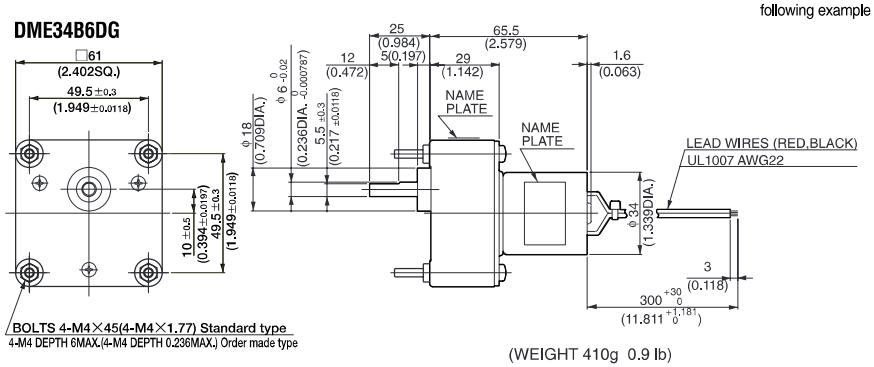


(WEIGHT 400g 0.88lb)

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:
  DME34B6HPB (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 : **DME34B6H□B**

DME34B6DG



(WEIGHT 410g 0.9 lb)

●with 6DG TYPE GEARBOX MOTOR MODEL **DME34S6HP☆**, **DME34B6HP☆** & GEARBOX MODEL **6DG□**

Model	Gear ratio		5	12.5	15	*25	*30	*50	*75	*100	150	180	250
	Rated speed	r/min	660	264	220	132	110	66	44	33	22	18.3	13.2
DME34S6HP☆ & 6DG□	Rated torque	N·m	0.016	0.04	0.048	0.072	0.085	0.14	0.22	0.28	0.38	0.46	0.64
		oz·in	2.22	5.55	6.67	10.14	12.08	19.44	30.55	40.27	54.16	65.27	90.27
DME34B6HP☆ & 6DG□	Rated speed	r/min	740	296	246	148	123	74	49.3	37	26	22.7	17.3
	Rated torque	N·m	0.047	0.12	0.14	0.22	0.26	0.42	0.64	0.85	0.98	0.98	0.98
		oz·in	6.67	16.66	19.44	30.55	36.11	59.71	90.27	120.82	138.87	138.87	138.87

Model	Gear ratio		300	450	*500	*750	*900	*1800
	Rated speed	r/min	11	7.6	6.9	5	4.2	2.2
DME34S6HP☆ & 6DG□	Rated torque	N·m	0.76	0.98	0.98	0.98	0.98	0.98
		oz·in	108.32	138.87	138.87	138.87	138.87	138.87
DME34B6HP☆ & 6DG□	Rated speed	r/min	14.8	10.3	9.2	6.3	5.3	2.7
	Rated torque	N·m	0.98	0.98	0.98	0.98	0.98	0.98
		oz·in	138.87	138.87	138.87	138.87	138.87	138.87

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DME34

WITH GEARBOX

8DG

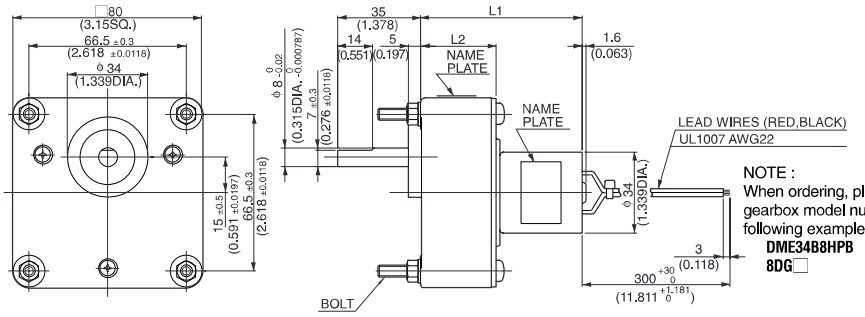


8DG

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	1.3W	0.2A
SB	24V	1.3W	0.1A
BA	12V	4.5W	0.65A
BB	24V	4.5W	0.31A
KB	24V	7W	0.41A

●DIMENSIONS Unit mm(inch)

DME34B8DG

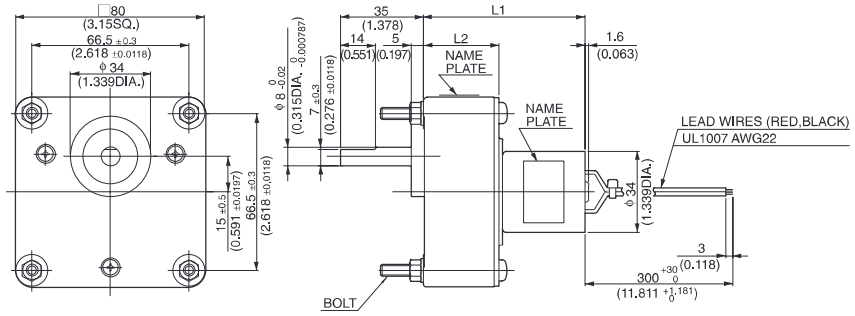


NOTE :
When ordering, please write the motor model and gearbox model numbers separately, as in the following example:
DME34B8HPB (Pinion shaft motor)
8DG□ (Gearbox)

GEAR RATIO	L1		L2		BOLT		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	kg	lb
30~150	68.5	2.697	32	1.26	M5X50	M5X1.969	0.61	1.34
250~1800	78.5	3.090	42	1.65	M5X60	M5X2.362	0.71	1.56

●DIMENSIONS Unit mm(inch)

DME34K8H



GEAR RATIO	L1		L2		BOLT		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	kg	lb
30~150	78.5	3.090	32	1.26	M5X50	M5X1.969	0.75	1.65
250~1800	88.5	3.484	42	1.65	M5X60	M5X2.362	0.85	1.87

●with 8DG TYPE GEARBOX MOTOR MODEL **DME34B8HP☆** & GEARBOX MODEL **8DG□**

Model	Gear ratio		*30	*50	*75	*100	*150	250	300	*500	*750	*1800
	Rated speed	r/min	123	74	49.3	37	24.6	14.8	12.3	7.4	5.3	2.5
DME34B8HP☆ & 8DG□	Rated torque	N·m	0.25	0.42	0.64	0.85	1.3	1.9	2.3	3.4	3.9	3.9
		oz·in	36.11	59.71	90.27	120.82	180.53	263.86	319.40	486.05	555.49	555.49
DME34K8HP☆ & 8DG□	Rated speed	r/min	143	86.0	57.3	43.0	28.6	17.2	14.3	8.7	6.1	2.7
	Rated torque	N·m	0.32	0.53	0.80	1.0	1.6	2.4	2.9	3.9	3.9	3.9
		oz·in	45.31	75.04	113.27	141.59	226.54	339.82	410.61	555.49	555.49	555.49

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

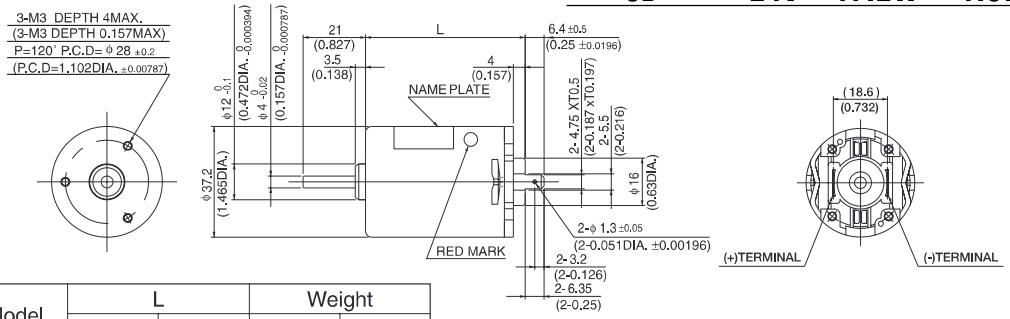
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DME37

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	4.6W	0.78A
SB	24V	4.6W	0.37A
BA	12V	7.2W	1.01A
BB	24V	7.2W	0.53A
KA	12V	9.2W	1.20A
KB	24V	9.2W	0.60A
JB	24V	17.2W	1.07A



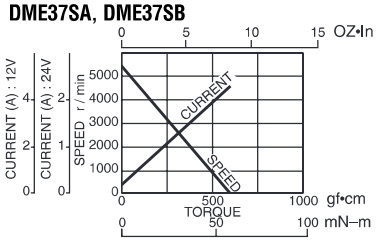
●DIMENSIONS Unit mm(inch)



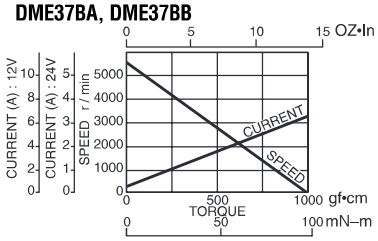
Model	L		Weight	
	(mm)	(inch)	g	lb
DME37SA DME37SB	45.7	1.8	130	0.28
DME37BA DME37BB	53.7	2.11	180	0.40
DME37KA DME37KB	58.7	2.31	210	0.46
DME37JB	63.7	2.51	240	0.53

●CURRENT, SPEED-TORQUE CURVE

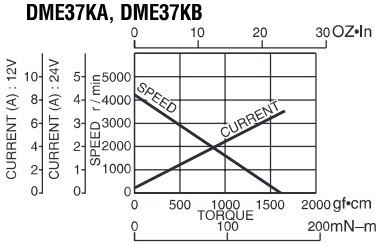
DME37SA, DME37SB



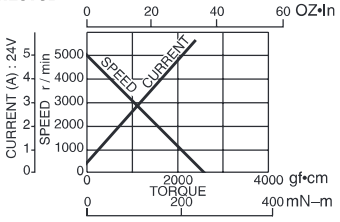
DME37BA, DME37BB



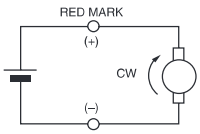
DME37KA, DME37KB



DME37JB



●CONNECTION

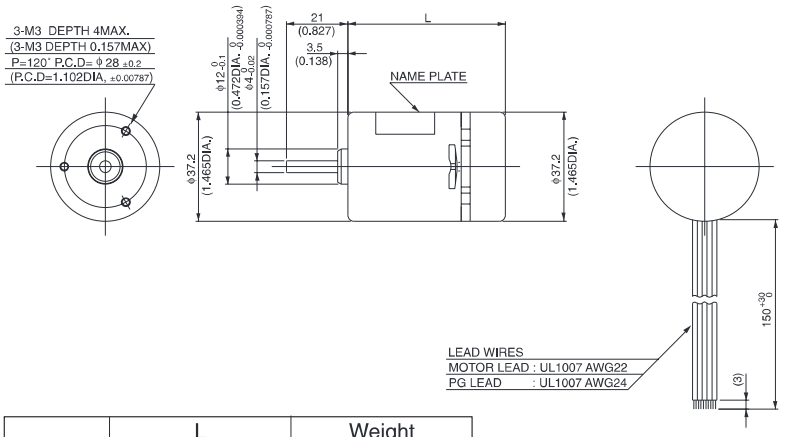


●STANDARD SPECIFICATIONS

Model	Rated						No load		Stall torque	
	Output	Voltage	Torque		Current	Speed	Current	Speed	mN-m	oz·in
	W	V	mN-m	oz·in	A	r/min	A	r/min		
DME37SA	4.6	12	10	1.42	0.78	4500	0.26	5500	54	7.64
DME37SB	4.6	24	10	1.42	0.37	4500	0.12	5500	54	7.64
DME37BA	7.2	12	15	2.12	1.01	4700	0.25	5500	98	13.88
DME37BB	7.2	24	15	2.12	0.53	4700	0.13	5500	98	13.88
DME37KA	9.2	12	24.5	3.5	1.20	3600	0.27	4300	160	22.66
DME37KB	9.2	24	24.5	3.5	0.60	3600	0.14	4300	160	22.66
DME37JB	17.2	24	39	5.52	1.07	4200	0.18	5000	240	34

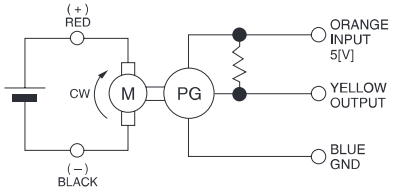
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●REVOLUTION SENSOR MAGNET TYPE



Model	L		Weight	
	mm	inch	g	lb
DME37SMA DME37SMB	53.7	2.11	140	0.31
DME37BMA DME37BMB	61.7	2.43	190	0.42
DME37KMA DME37KMB	66.7	2.63	220	0.49
DME37JMB	71.7	2.82	250	0.55

●CONNECTION OF REVOLUTION SENSOR



●SPECIFICATION OF REVOLUTION SENSOR ARE SHOWN ON PAGE 8.

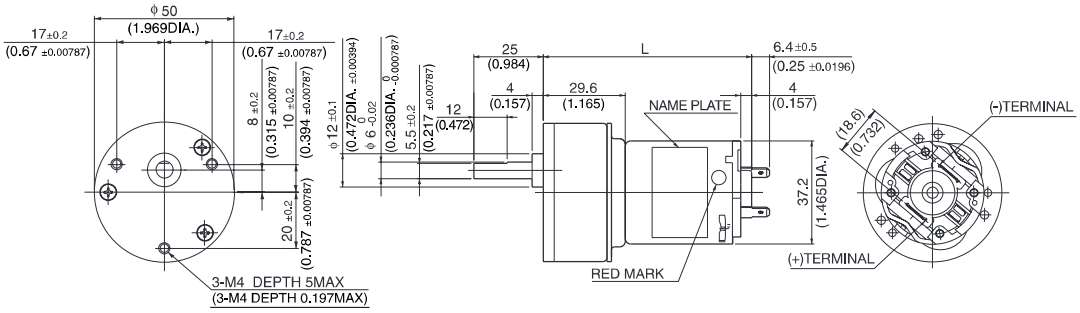
WITH GEARBOX

50G



50G

●DIMENSIONS Unit mm(inch)



Model	L		Weight	
	(mm)	(inch)	g	lb
DME37S50G	75.3	2.96	280	0.62
DME37B50G	83.3	3.28	330	0.73
DME37K50G	88.3	3.48	360	0.79

●with 50G TYPE GEARBOX

Model	Gear ratio		9	18	*27	*36	*54	*72	96	144	192	256
	Rated speed	r/min	500	250	166	125	83.3	62.5	46.8	31.2	24.5	19.1
DME37S50G□☆	Rated torque	N·m	0.072	0.14	0.19	0.25	0.38	0.51	0.62	0.93	0.98	0.98
		oz·in	10.14	19.44	26.39	36.11	54.16	72.21	87.49	130.54	138.87	138.87
DME37B50G□☆	Rated speed	r/min	522	261	174	130	87	65.2	48.9	34.2	26.4	20.2
	Rated torque	N·m	0.11	0.22	0.28	0.38	0.58	0.76	0.92	0.98	0.98	0.98
		oz·in	15.28	30.55	40.27	54.16	81.93	108.32	130.54	138.87	138.87	138.87
DME37K50G□☆	Rated speed	r/min	400	200	133	100	66.6	52.3	40.1	27.8	21.2	16.1
	Permission torque	N·m	0.17	0.35	0.48	0.63	0.96	0.98	0.98	0.98	0.98	0.98
		oz·in	25	50	68.05	90.27	136.09	138.87	138.87	138.87	138.87	138.87

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DME37

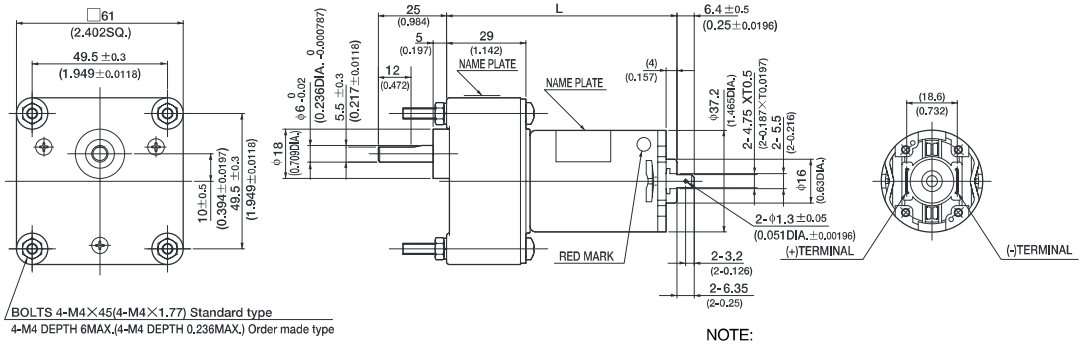
MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	4.6W	0.78A
SB	24V	4.6W	0.37A
BA	12V	7.2W	1.01A
BB	24V	7.2W	0.53A
KA	12V	9.2W	1.20A
KB	24V	9.2W	0.60A
JB	24V	17.2W	1.07A

WITH GEARBOX
6DG



6DG

●DIMENSIONS Unit mm(inch)



Model	L		Weight	
	(mm)	(inch)	g	lb
DME37S6H	76.2	3.0	430	0.95
DME37B6H	84.2	3.31	480	1.06
DME37K6H	89.2	3.51	510	1.12

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:
  DME37B6HPB (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 : **DME37B6H□**

●with 6DG TYPE GEARBOX MOTOR MODEL **DME37S6HP☆**, **DME37B6HP☆** , **DME37K6HP☆** & GEARBOX MODEL **6DG□**

Model	Gear ratio		5	12.5	15	*25	*30	*50	*75	*100	150	180	250
	Rated speed	r/min	900	360	300	180	150	90	60	45	30	25.8	19.5
DME37S6HP☆ & 6DG□	Rated torque	N·m	0.039	0.098	0.12	0.18	0.22	0.35	0.53	0.72	0.96	0.98	0.98
		oz·in	5.55	13.89	16.66	25.00	30.55	49.99	74.99	101.38	136.09	138.87	138.87
DME37B6HP☆ & 6DG□	Rated speed	r/min	940	376	313	188	156	94	62.6	47.7	33	28	20.7
	Rated torque	N·m	0.059	0.15	0.18	0.26	0.32	0.53	0.8	0.98	0.98	0.98	0.98
		oz·in	8.33	20.83	25.00	37.50	45.83	74.99	113.87	138.87	138.87	138.87	138.87
DME37K6HP☆ & 6DG□	Rated speed	r/min	720	288	240	144	120	72	50.5	39.1	26.7	22.5	16.5
	Permission torque	N·m	0.098	0.24	0.29	0.44	0.53	0.89	0.98	0.98	0.98	0.98	0.98
		oz·in	13.89	34.72	41.66	62.49	74.99	126.37	138.87	138.87	138.87	138.87	138.87

Model	Gear ratio		300	450	*500	*750	*900	*1800
	Rated speed	r/min	16.6	11.4	10.3	7	5.9	3
DME37S6HP☆ & 6DG□	Rated torque	N·m	0.98	0.98	0.98	0.98	0.98	0.98
		oz·in	138.87	138.87	138.87	138.87	138.87	138.87
DME37B6HP☆ & 6DG□	Rated speed	r/min	17.4	11.8	10.6	7.1	6	3
	Rated torque	N·m	0.98	0.98	0.98	0.98	0.98	0.98
		oz·in	138.87	138.87	138.87	138.87	138.87	138.87
DME37K6HP☆ & 6DG□	Rated speed	r/min	13.8	9.3	8.4	5.6	4.7	2.3
	Permission torque	N·m	0.98	0.98	0.98	0.98	0.98	0.98
		oz·in	138.87	138.87	138.87	138.87	138.87	138.87

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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WITH GEARBOX

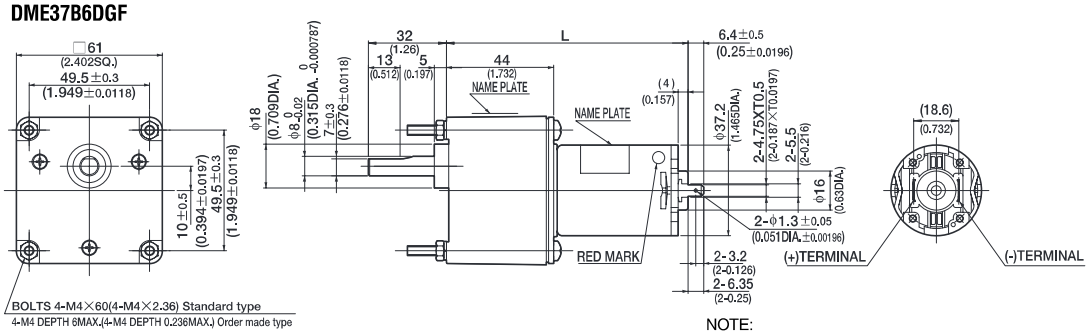
6DGF



6DGF

●DIMENSIONS Unit mm(inch)

DME37B6DGF



(WEIGHT 0.53kg 1.17lb)

NOTE:
6DGF 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:
  DME37B6HFPB (Pinion shaft motor)
  6DG□F (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 : **DME37B6HF□B**

●with 6DGF TYPE GEARBOX MOTOR MODEL **DME37B6HFP☆** , **DME37K6HFP☆** , **DME37J6HFPB** & GEARBOX MODEL **6DG□F**

Model	Gear ratio		5	*12.5	*15	*25	*30	50	75	100	150	180
	Rated speed	r/min	940	376	313	188	156	94	62.6	47	31.3	26.1
DME37B6HFP☆ & 6DG□F	Rated torque	N·m	0.059	0.13	0.16	0.26	0.32	0.48	0.73	0.96	1.4	1.7
		oz·in	8.33	18.05	22.22	37.50	45.83	68.05	102.76	136.09	194.42	236.08
DME37K6HFP☆	Rated speed	r/min	720	288	240	144	120	72	48	36	24	20.6
	Permission torque	N·m	0.098	0.21	0.26	0.44	0.53	0.8	1.1	1.5	2.3	2.4
		oz·in	13.89	30.55	37.5	62.49	74.99	113.88	166.65	222.19	333.29	347.18
DME37J6HFPB & 6DG□F	Rated speed	r/min	840	336	280	168	140	84	56	42.3	29.9	25.4
	Permission torque	N·m	0.15	0.35	0.42	0.71	0.85	1.2	1.8	2.4	2.4	2.4
		oz·in	22.22	49.99	59.71	101.38	120.82	180.53	263.86	347.18	347.18	347.18

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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WITH GEARBOX

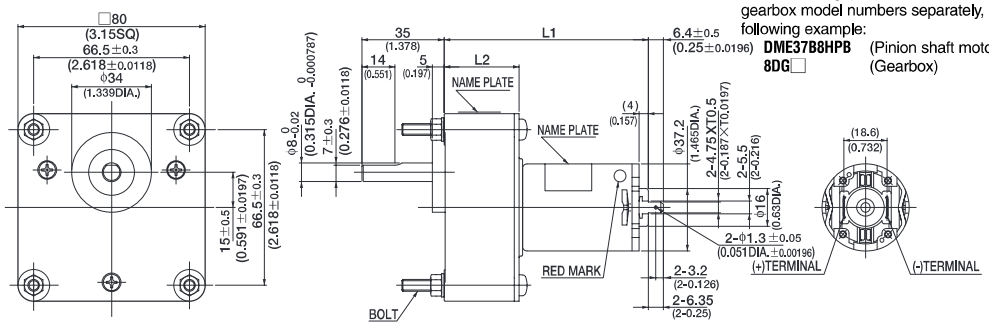
8DG



8DG

●DIMENSIONS Unit mm(inch)

DME37B8DG



NOTE :
When ordering, please write the motor model and gearbox model numbers separately, as in the following example:
DME37B8HPB (Pinion shaft motor)
8DG□ (Gearbox)

Model	GEAR RATIO	L1		L2		BOLT		WEIGHT	
		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	g	lb
DME37B8HP	30~150	87.2	3.433	32	1.26	M5X50	M5X1.969	680	1.5
	250~1800	97.2	3.826	42	1.654	M5X60	M5X2.362	780	1.72
DME37K8HP	30~150	92.2	3.63	32	1.26	M5X50	M5X1.969	710	1.57
	250~1800	102.2	4.024	42	1.654	M5X60	M5X2.362	810	1.79
DME37J8HP	30~150	97.2	3.827	32	1.26	M5X50	M5X1.969	740	1.63
	250~1800	107.2	4.22	42	1.654	M5X60	M5X2.362	840	1.85

●with 8DG TYPE GEARBOX MOTOR MODEL **DME37B8HP☆ , DME37K8HP☆ , DME37J8HPB** & GEARBOX MODEL **8DG□**

Model	Gear ratio		*30	*50	*75	*100	*150	250	300	*500	*750	*1800
	Rated speed	r/min	156	94	62.6	47	31.3	18.8	15.6	9.5	6.7	2.9
DME37B8HP☆ & 8DG□	Rated torque	N·m	0.32	0.53	0.8	1.1	1.6	2.4	2.8	3.9	3.9	3.9
		oz·in	45.83	74.99	113.87	152.76	222.19	333.29	402.73	555.49	555.49	555.49
DME37K8HP☆ & 8DG□	Rated speed	r/min	120	72	48	36	24	14.4	12.4	7.8	5.4	2.3
	Permission torque	N·m	0.53	0.89	1.2	1.7	2.6	3.9	3.9	3.9	3.9	3.9
		oz·in	74.99	126.37	180.53	249.97	374.95	555.49	555.49	555.49	555.49	555.49
DME37J8HPB & 8DG□	Rated speed	r/min	140	84	56	42	28.4	18	15.3	9.4	6.4	2.7
	Permission torque	N·m	0.85	1.3	2.1	2.8	3.9	3.9	3.9	3.9	3.9	3.9
		oz·in	120.82	194.42	305.52	402.73	555.49	555.49	555.49	555.49	555.49	555.49

WITH GEARBOX

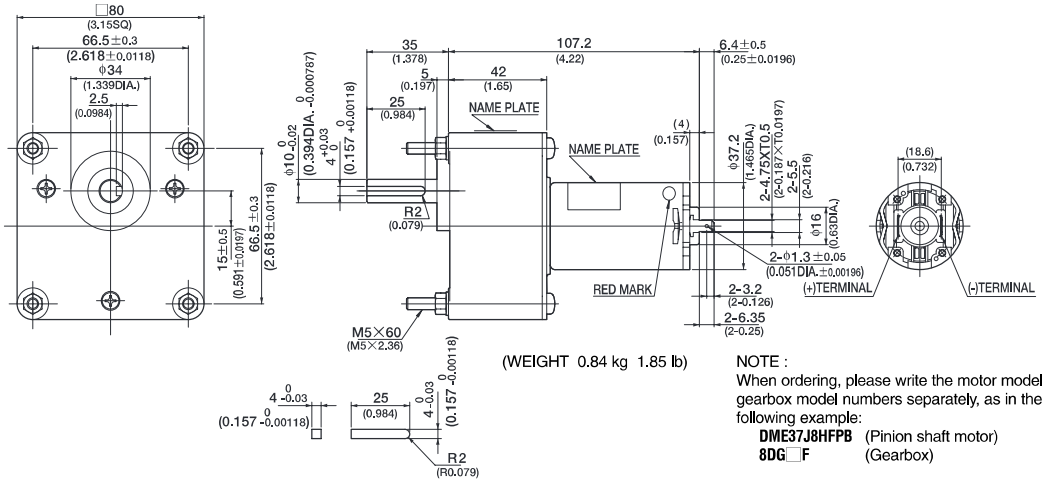
8DGF



8DGF

●DIMENSIONS Unit mm(inch)

DME37J8DGF



(WEIGHT 0.84 kg 1.85 lb)

NOTE :
When ordering, please write the motor model and gearbox model numbers separately, as in the following example:
DME37J8HFPB (Pinion shaft motor)
8DG□F (Gearbox)

●with 8DGF TYPE GEARBOX MOTOR MODEL **DME37J8HFPB** & GEARBOX MODEL **8DG□F**

Model	Gear ratio		*25	*30	50	75	100	180
	Rated speed	r/min	168	140	84	56	42	23.3
DME37J8HFPB & 8DG□F	Permission torque	N·m	0.71	0.85	1.3	1.8	2.5	4.6
		oz·in	101.38	120.82	194.42	263.86	361.07	652.7

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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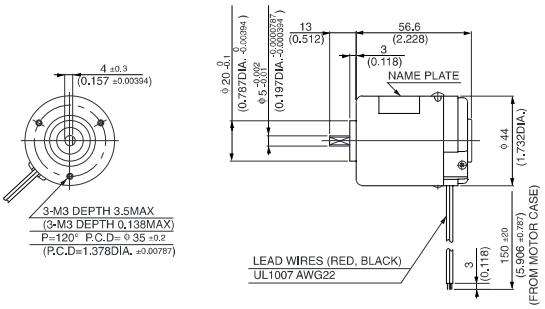
DME44

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	9.2W	1.31A
SB	24V	9.2W	0.65A
BB	24V	14.8W	0.94A

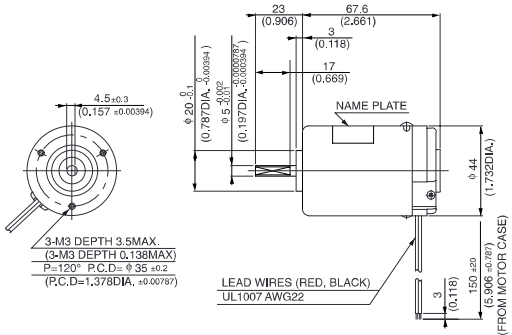


●DIMENSIONS Unit mm(inch)

DME44SA, DME44SB

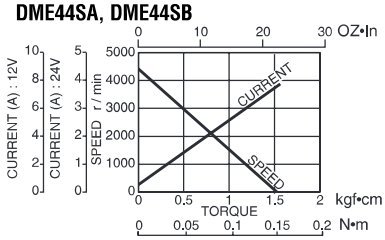


DME44BA, DME44BB

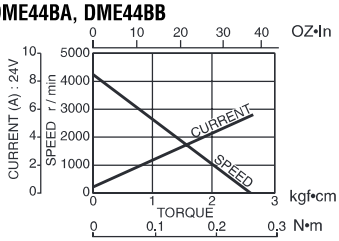


●CURRENT, SPEED-TORQUE CURVE

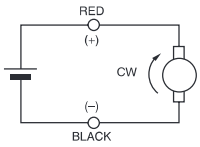
DME44SA, DME44SB



DME44BA, DME44BB



●CONNECTION

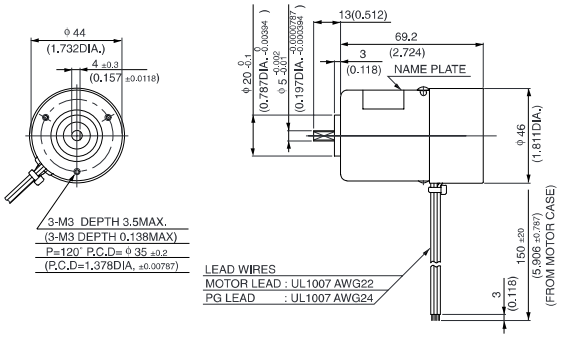


●STANDARD SPECIFICATIONS

Model	Rated						No load		Stall torque		Weight	
	Output	Voltage	Torque		Current	Speed	Current	Speed	mN-m	oz·in		
	W	V	mN-m	oz·in	A	r/min	A	r/min			g	lb
DME44SA	9.2	12	24	3.47	1.31	3600	0.31	4300	150	22.22	300	0.66
DME44SB	9.2	24	24	3.47	0.65	3600	0.15	4300	150	22.22	300	0.66
DME44BB	14.8	24	39	5.55	0.94	3600	0.16	4300	250	36.11	400	0.88

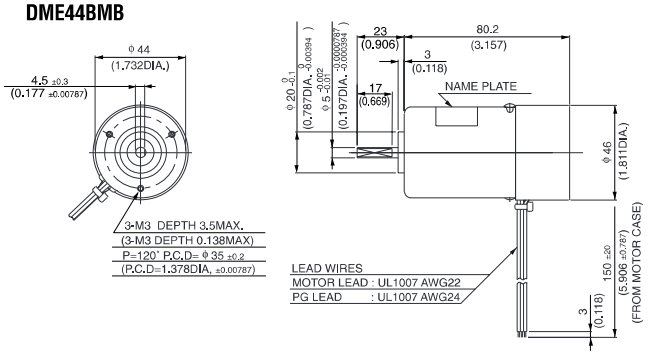
●REVOLUTION SENSOR MAGNET TYPE

DME44SMA, DME44SMB



(WEIGHT 400 g 0.88 lb)

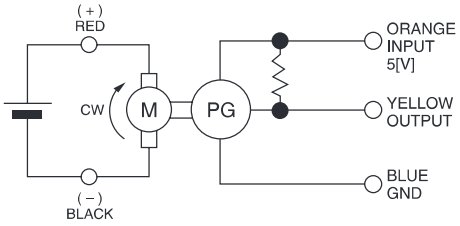
DME44BMB



(WEIGHT 500 g 1.1lb)

●CONNECTION OF REVOLUTION SENSOR

DME44SMA, DME44SMB, DME44BMB



●SPECIFICATION OF REVOLUTION SENSOR ARE SHOWN ON PAGE 8.

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DME44

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	9.2W	1.31A
SB	24V	9.2W	0.65A
BB	24V	14.8W	0.94A

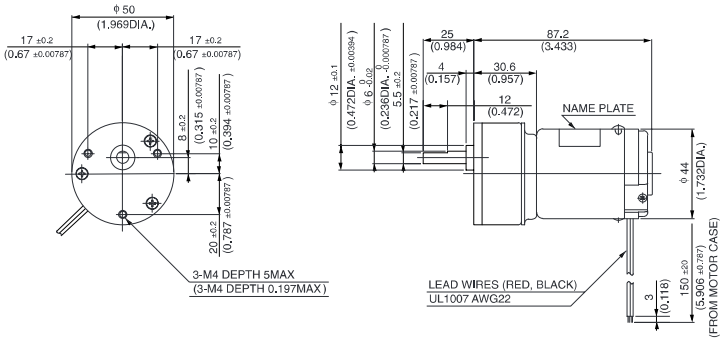
WITH GEARBOX 50G



50G

●DIMENSIONS Unit mm(inch)

DME44S50G



(WEIGHT 400 g 0.88lb)

●with 50G TYPE GEARBOX

Model	Gear ratio		9	18	*27	*36	*54	*72
	Rated speed	r/min	400	200	133	100	66.6	52.3
DME44S50G□☆	Rated torque	N·m	0.18	0.35	0.48	0.64	0.96	0.98
		oz·in	25.00	49.99	68.05	90.27	136.09	138.87

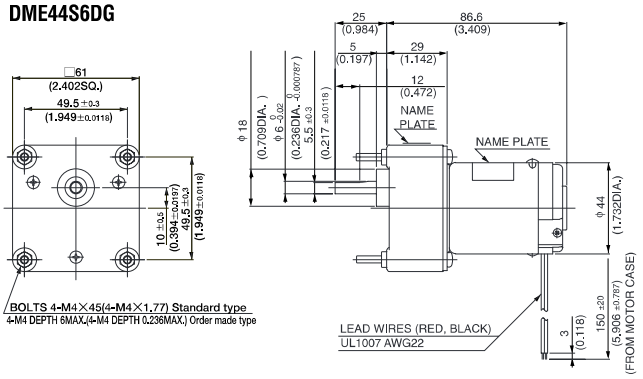
WITH GEARBOX 6DG



6DG

●DIMENSIONS Unit mm(inch)

DME44S6DG



(WEIGHT 600 g 1.32 lb)

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:
DME44S6HPB (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 : **DME44S6H□B**

●with 6DG TYPE GEARBOX MOTOR MODEL **DME44S6HP☆** & GEARBOX MODEL **6DG□**

Model	Gear ratio		5	12.5	15	*25	*30	*50	*75	*100	150	180	250
	Rated speed	r/min	720	288	240	144	120	72	50.5	39.1	26.7	22.5	16.5
DME44S6HP☆ & 6DG□	Rated torque	N·m	0.1	0.25	0.29	0.44	0.53	0.89	0.98	0.98	0.98	0.98	0.98
		oz·in	13.89	34.72	41.66	62.49	74.99	126.37	138.87	138.87	138.87	138.87	138.87

Model	Gear ratio		300	450	*500	*750	*900	*1800
	Rated speed	r/min	13.8	9.3	8.4	5.6	4.7	2.3
DME44S6HP☆ & 6DG□	Rated torque	N·m	0.98	0.98	0.98	0.98	0.98	0.98
		oz·in	138.87	138.87	138.87	138.87	138.87	138.87

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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WITH GEARBOX

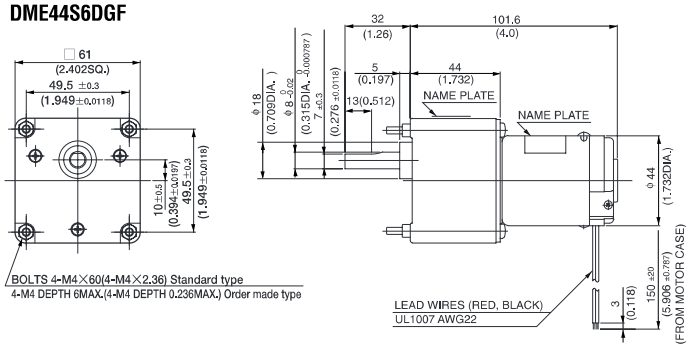
6DGF



6DGF

●DIMENSIONS Unit mm(inch)

DME44S6DGF

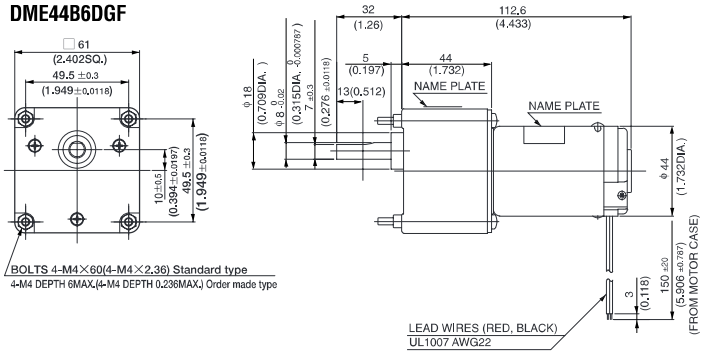


(WEIGHT 0.7 kg 1.54 lb)

NOTE:
6DGF 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:
  DME44B6HFPB (Pinion shaft motor)
  6DG□F (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 : **DME44B6HF□B**

DME44B6DGF



(WEIGHT 0.8 kg 1.76 lb)

●with 6DGF TYPE GEARBOX MOTOR MODEL **DME44S6HFP☆**, **DME44B6HFPB** & GEARBOX MODEL **6DG□F**

Model	Gear ratio		5	*12.5	*15	*25	*30	50	75	100	150	180
	Rated speed	r/min	720	288	240	144	120	72	48	36	24	20.6
DME44S6HFP☆ & 6DG□F	Rated torque	N·m	0.1	0.22	0.27	0.44	0.53	0.80	1.2	1.6	2.4	2.4
		oz·in	13.89	30.55	37.50	62.49	74.99	113.87	166.65	222.19	333.29	347.18
DME44B6HFPB & 6DG□F	Rated speed	r/min	720	288	240	144	120	72	48	36.3	25.7	21.8
	Rated torque	N·m	0.16	0.35	0.43	0.72	0.85	1.3	1.9	2.4	2.4	2.4
		oz·in	22.22	49.99	59.71	101.38	120.82	180.53	263.86	347.18	347.18	347.18

WITH GEARBOX

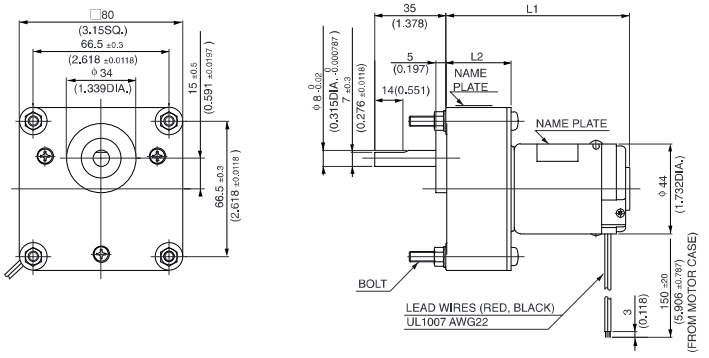
8DG



8DG

●DIMENSIONS Unit mm(inch)

DME44S8DG



NOTE :
When ordering, please write the motor model and gearbox model numbers separately, as in the following example:
DME44B8HPB (Pinion shaft motor)
8DG□ (Gearbox)

GEAR RATIO	L1		L2		BOLT		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	kg	lb
30~150	90.1	3.547	32	1.26	M5X50	M5X1.969	0.8	1.76
250~1800	100.1	3.941	42	1.654	M5X60	M5X2.362	0.9	1.98

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

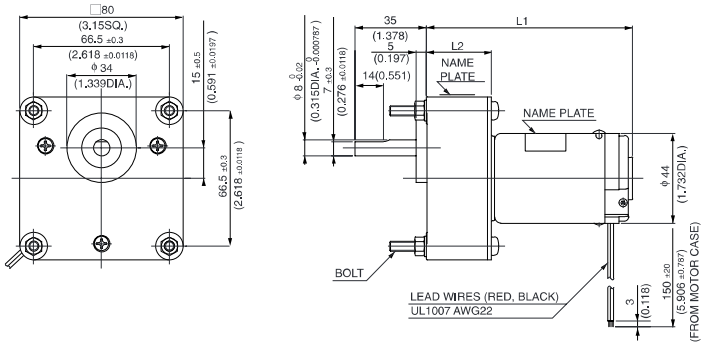
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DME44

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	9.2W	1.31A
SB	24V	9.2W	0.65A
BB	24V	14.8W	0.94A

WITH GEARBOX 8DG

DME44B8DG



GEAR RATIO	L1		L2		BOLT		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	kg	lb
30~150	101.1	3.98	32	1.26	M5X50	M5X1.969	0.9	1.98
250~1800	111.1	4.374	42	1.654	M5X60	M5X2.362	1.0	2.2

●with 8DG TYPE GEARBOX MOTOR MODEL **DME44S8HP☆**, **DME44B8HPB** & GEARBOX MODEL **8DG□**

Model	Gear ratio		*30	*50	*75	*90	*100	*150	250
	Rated speed	r/min	120	72	48	40	36	24	14.4
DME44S8HP☆ & 8DG□	Rated torque	N·m	0.53	0.89	1.3	1.6	1.8	2.7	3.9
		oz·in	74.99	126.37	180.53	222.19	249.97	374.95	555.49
DME44B8HPB & 8DG□	Rated speed	r/min	120	72	48	40	36	24.4	15.5
	Rated torque	N·m	0.85	1.4	2.1	2.5	2.8	3.9	3.9
		oz·in	120.82	194.42	305.52	361.07	402.73	555.49	555.49

Model	Gear ratio		300	*500	*750	*1800
	Rated speed	r/min	12.4	7.8	5.4	2.3
DME44S8HP☆ & 8DG□	Rated torque	N·m	3.9	3.9	3.9	3.9
		oz·in	555.49	555.49	555.49	555.49
DME44B8HPB & 8DG□	Rated speed	r/min	13.1	8	5.5	2.3
	Rated torque	N·m	3.9	3.9	3.9	3.9
		oz·in	555.49	555.49	555.49	555.49

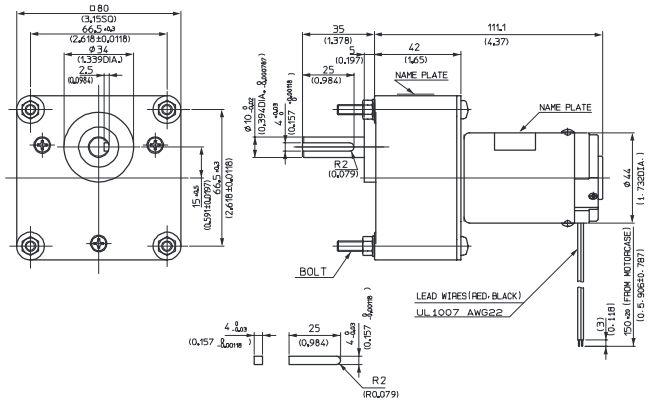
WITH GEARBOX 8DGF



8DGF

●DIMENSIONS Unit mm(inch)

DME44B8DGF



NOTE :
When ordering, please write the motor model and gearbox model numbers separately, as in the following example:
DME44B8HFPB (Pinion shaft motor)
8DG□F (Gearbox)

GEAR RATIO	BOLT		WEIGHT	
	(mm)	(inch)	kg	lb
25~150	M5X60	M5X2.36	1.0	2.2

●with 8DGF TYPE GEARBOX MOTOR MODEL **DME44B8HFPB** & GEARBOX MODEL **8DG□F**

Model	Gear ratio		*25	*30	50	75	100	150
	Rated speed	r/min	144	120	72	48	36	24
DME44B8HPB & 8DG□F	Rated torque	N·m	0.71	0.85	1.3	1.9	2.5	3.8
		oz·in	101.38	120.82	194.42	263.86	361.07	541.60

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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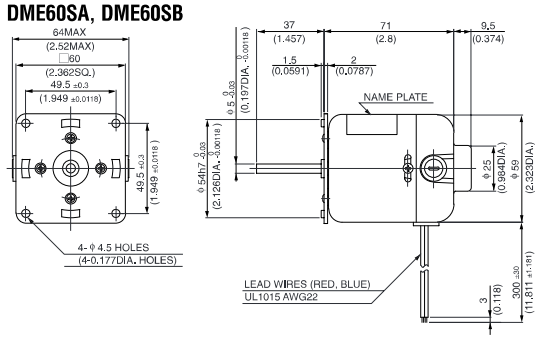
DME60

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	13W	2.07A
SB	24V	13W	1A
BB	24V	26W	1.79A

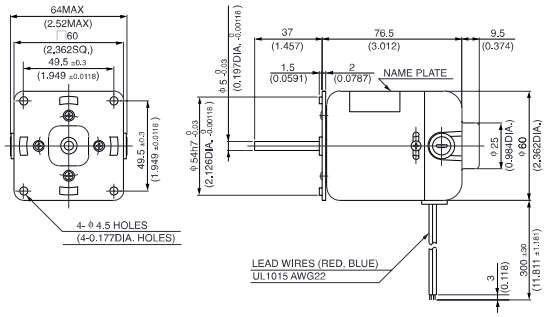


●DIMENSIONS Unit mm(inch)

DME60SA, DME60SB

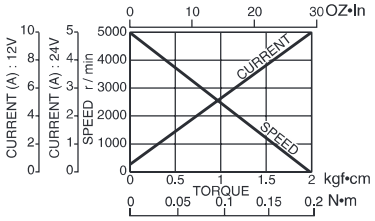


DME60BB

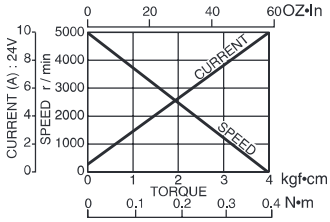


●CURRENT, SPEED-TORQUE CURVE

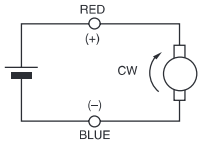
DME60SA, DME60SB



DME60BB



●CONNECTION



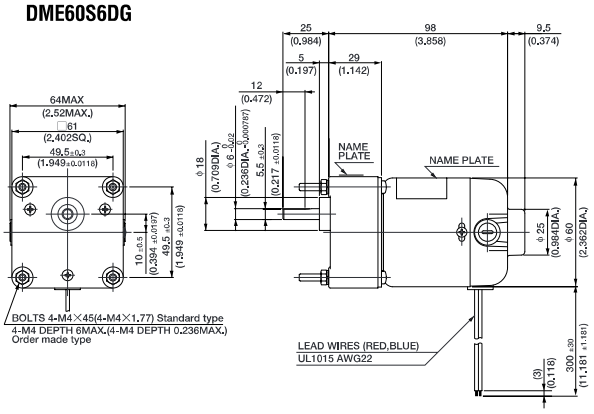
●STANDARD SPECIFICATIONS

Model	Rated						No load		Stall torque		Weight	
	Output	Voltage	Torque		Current	Speed	Current	Speed	mN-m	oz·in		
	W	V	mN-m	oz·in	A	r/min	A	r/min			g	lb
DME60SA	13	12	29	4.17	2.07	4300	0.6	5000	196	16.66	600	1.32
DME60SB	13	24	29	4.17	1.00	4300	0.33	5000	196	16.66	600	1.32
DME60BB	26	24	59	8.33	1.79	4300	0.42	5000	392	55.55	650	1.43

WITH GEARBOX 6DG

●DIMENSIONS Unit mm(inch)

DME60S6DG



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:
  DME60S6HPB (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 : **DME60S6H□B**

●with 6DG TYPE GEARBOX MOTOR MODEL **DME60S6HP☆** & GEARBOX MODEL **6DG□**

Model	Gear ratio		5	12.5	15	*25	*30	*50	*75	*100	150	180	250
	Rated speed	r/min	860	344	286	172	143	87.2	60.9	46.8	35	30	21
DME60S6HP☆ & 6DG□	Rated torque	N·m	0.12	0.29	0.35	0.53	0.64	0.98	0.98	0.98	0.98	0.98	0.98
		oz·in	16.66	41.66	49.99	74.99	90.27	138.87	138.87	138.87	138.87	138.87	138.87

Model	Gear ratio		300	450	*500	*750	*900	*1800
	Rated speed	r/min	17	12	9.8	6.6	5.5	2.7
DME60S6HP☆ & 6DG□	Rated torque	N·m	0.98	0.98	0.98	0.98	0.98	0.98
		oz·in	138.87	138.87	138.87	138.87	138.87	138.87

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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DME60

MODEL CODE	VOLTAGE	OUTPUT	CURRENT
SA	12V	13W	2.07A
SB	24V	13W	1A
BB	24V	26W	1.79A

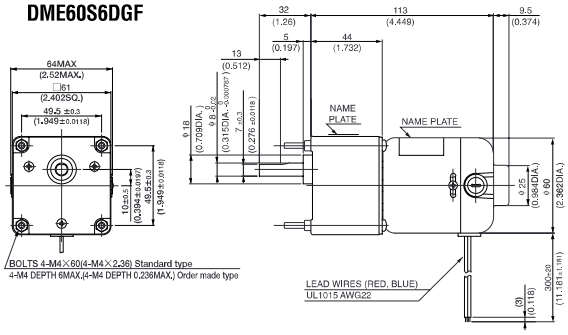
WITH GEARBOX 6DGF



6DGF

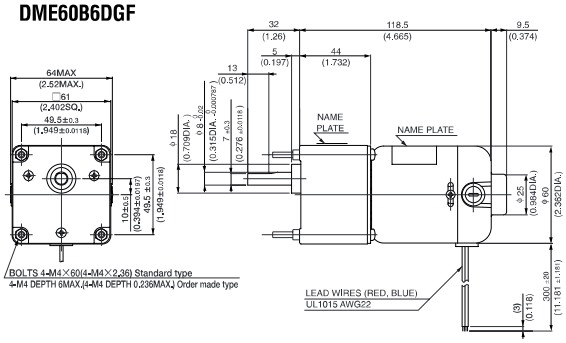
●DIMENSIONS Unit mm(inch)

DME60S6DGF



(WEIGHT 1.0 kg 2.2 lb)

DME60B6DGF



(WEIGHT 1.05 kg 2.3 lb)

NOTE:
6DGF 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:
DME60S6HFPB (Pinion shaft motor)
6DG□F (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 : **DME60S6HF□B**

●with 6DGF TYPE GEARBOX MOTOR MODEL **DME60S6HFP☆**, **DME60B6HFPB** & GEARBOX MODEL **6DG□F**

Model	Gear ratio		5	*12.5	*15	*25	*30	50	75	100	150	180
	Rated speed	r/min	860	344	286	172	143	86	57.3	43	29.4	25
DME60S6HFP☆ & 6DG□	Rated torque	N·m	0.12	0.27	0.32	0.53	0.64	0.96	1.4	1.9	2.4	2.4
		oz·in	16.66	37.50	45.83	74.99	48.61	136.09	194.42	263.86	347.18	347.18
DME60B6HFPB & 6DG□	Rated speed	r/min	860	344	286	172	143	86	58.7	45	31.3	26.4
	Rated torque	N·m	0.24	0.53	0.64	1.0	1.3	1.9	2.4	2.4	2.4	2.4
		oz·in	33.33	74.99	90.27	152.76	180.53	263.86	347.18	347.18	347.18	347.18

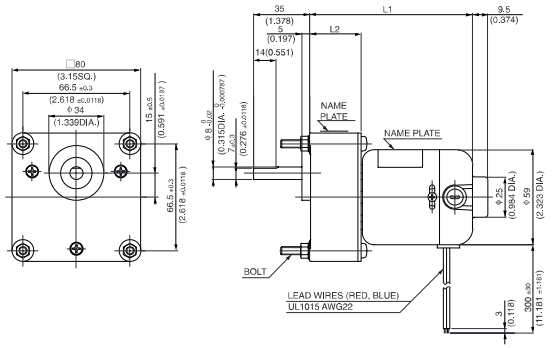
WITH GEARBOX 8DG



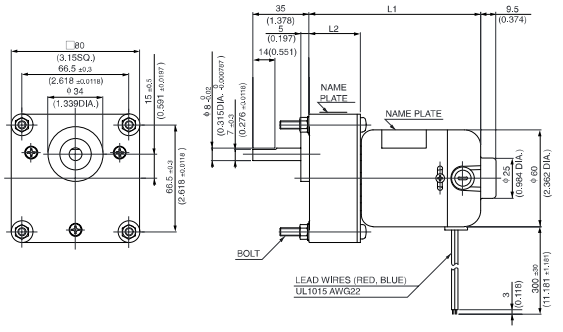
8DG

●DIMENSIONS Unit mm(inch)

DME60S8DG



DME60B8DG



NOTE :
When ordering, please write the motor model and gearbox model numbers separately, as in the following example:
DME60B8HPB (Pinion shaft motor)
8DG□ (Gearbox)

GEAR RATIO	L1		L2		BOLT		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	kg	lb
30~150	101	3.98	32	1.26	M5X50	M5X1.969	1.1	2.4
250~1800	111	4.37	42	1.654	M5X60	M5X2.362	1.2	2.6

GEAR RATIO	L1		L2		BOLT		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	kg	lb
30~150	106.5	4.193	32	1.26	M5X50	M5X1.969	1.15	2.5
250~1800	116.5	4.587	42	1.654	M5X60	M5X2.362	1.25	2.8

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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WITH GEARBOX
8DG

●with 8DG TYPE GEARBOX MOTOR MODEL **DME60S8HP☆**, **DME60B8HPB** & GEARBOX MODEL **8DG□**

Model	Gear ratio		*30	*50	*75	*100	*150	250	300	*500	*750	*1800
	Rated speed	r/min	143	86	57.3	43	28.6	17.7	15.1	9.3	6.4	2.7
DME60S8HP☆ & 8DG□	Rated torque	N·m	0.64	1.0	1.6	2.1	3.2	3.9	3.9	3.9	3.9	3.9
		oz·in	90.27	152.76	222.19	305.52	458.28	555.49	555.49	555.49	555.49	555.49
DME60B8HPB & 8DG□	Rated speed	r/min	143	86	57.3	43.6	30.5	18.8	15.8	9.7	6.5	2.7
	Rated torque	N·m	1.3	2.1	3.2	3.9	3.9	3.9	3.9	3.9	3.9	3.9
		oz·in	180.53	305.52	458.28	555.49	555.49	555.49	555.49	555.49	555.49	555.49

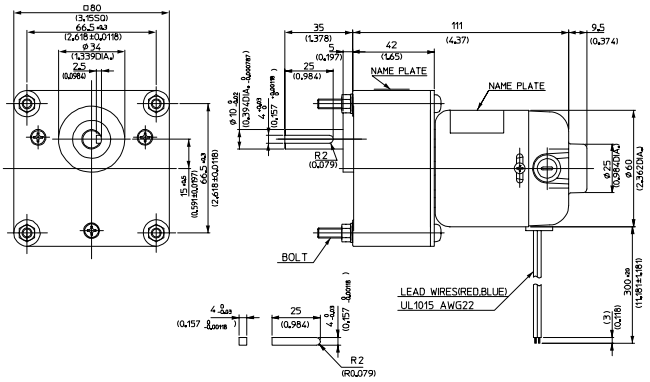
WITH GEARBOX
8DGF



8DGF

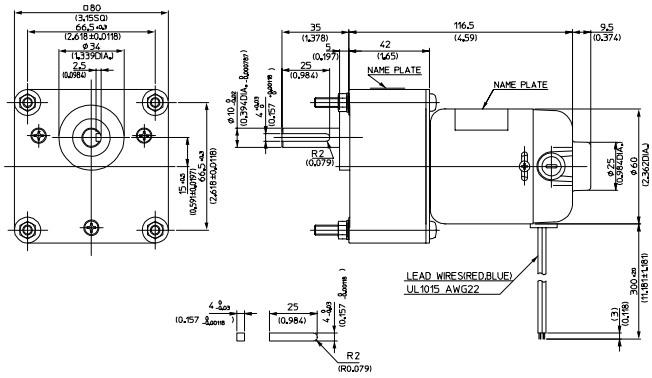
●DIMENSIONS Unit mm(inch)

DME60S8DGF



GEAR RATIO	BOLT		WEIGHT	
	(mm)	(inch)	kg	lb
25~150	M5X60	M5X2.36	1.20	2.6

DME60B8DGF



GEAR RATIO	BOLT		WEIGHT	
	(mm)	(inch)	kg	lb
25~150	M5X60	M5X2.36	1.25	2.8

NOTE :
When ordering, please write the motor model and gearbox model numbers separately, as in the following example:
DME60B8HFPB (Pinion shaft motor)
8DG□F (Gearbox)

●with 8DGF TYPE GEARBOX MOTOR MODEL **DME60S8HFP☆**, **DME60B8HFPB** & GEARBOX MODEL **8DG□F**

Model	Gear ratio		*25	*30	50	75	100	150
	Rated speed	r/min	172	143	86	57.3	43	28.6
DME60S8HPF☆ & 8DG□F	Rated torque	N·m	0.53	0.64	0.96	1.4	1.9	2.9
		oz·in	74.99	90.27	152.76	194.42	263.86	402.73
DME60B8HFPB & 8DG□F	Rated speed	r/min	172	143	86	57.3	43	28.6
	Rated torque	N·m	1.0	1.3	1.9	2.9	3.8	5.8
		oz·in	152.76	180.53	305.52	402.73	541.60	819.34

NOTE 1: Enter the required reduction ratio in the □.
2: ✻Rotation of gearbox shaft is in reverse of rotation of motor.
3: Enter the required voltage A or B in the ☆.

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WARNING

- Please do not exceed the specifications noted in this catalogue, otherwise there is a chance of electric shock, injury, or other damage.
- Any modifications made to this motor are beyond the limits of our guarantee NIDEC SERVO cannot take responsibility for any customer modifications.
- Please ensure that a thorough evaluation has been done before using this motor in medical equipment or other devices related to human lives.
- Please ensure that a thorough evaluation has been done before using this motor in applications that have a serious effect on the public.

NOTE

- Figures in this catalogue are average measured values. Please request the product delivery specification when preparing a purchase specification.
- The dimensions, specifications, and components contained in this catalogue are subject to change without prior notice due to further product improvements.

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