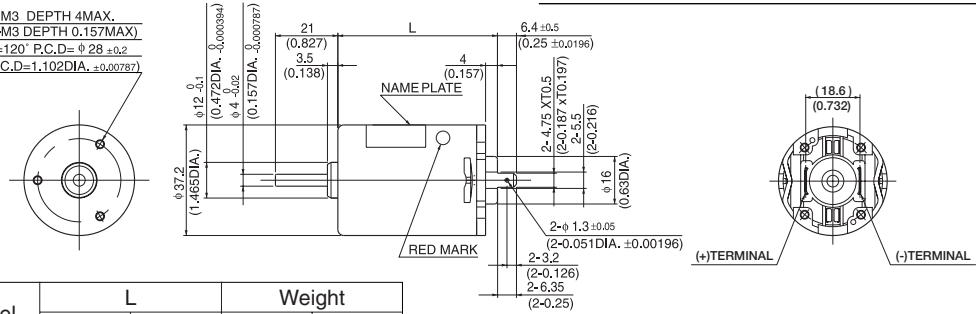


DME37

● DIMENSIONS Unit mm(inch)



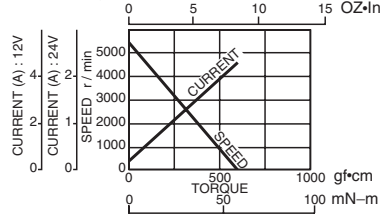
3-M3 DEPTH 4MAX.
(3-M3 DEPTH 0.157MAX)
P=120° P.C.D= $\phi 28 \pm 0.2$
(P.C.D=1.102DIA. ± 0.00787)



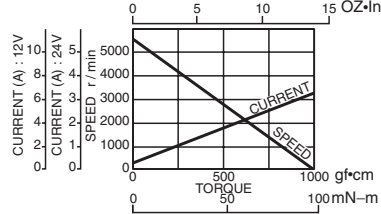
Model	L		Weight	
	(mm)	(inch)	g	lb
DME37SA DME37SB	45.7	1.8	130	0.28
DME37BA DME37BB	53.7	2.11	180	0.40
DME37KA DME37KB	58.7	2.31	210	0.46
DME37JB	63.7	2.51	240	0.53

● CURRENT, SPEED-TORQUE CURVE

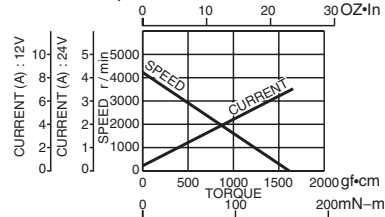
DME37SA, DME37SB



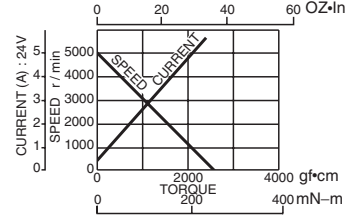
DME37BA, DME37BB



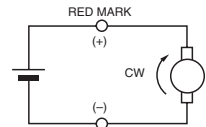
DME37KA, DME37KB



DME37JB



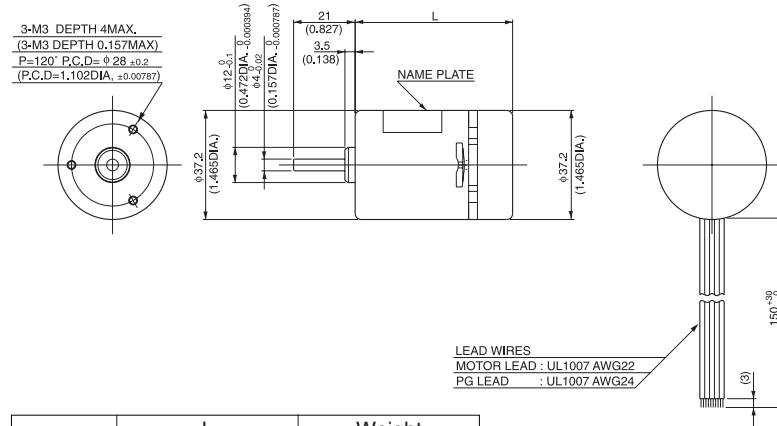
● CONNECTION



● STANDARD SPECIFICATIONS

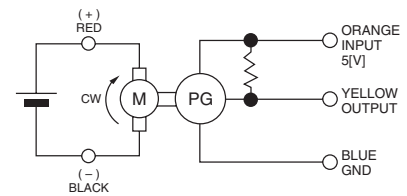
Model	Rated				No load		Stall torque		
	Output W	Voltage V	Torque mN·m oz·in	Current A	Speed r/min	Current A	Speed r/min	mN·m oz·in	
DME37SA	4.6	12	10	1.42	0.78	4500	0.26	5500	54 7.64
DME37SB	4.6	24	10	1.42	0.37	4500	0.12	5500	54 7.64
DME37BA	7.2	12	15	2.12	1.01	4700	0.25	5500	98 13.88
DME37BB	7.2	24	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

● 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



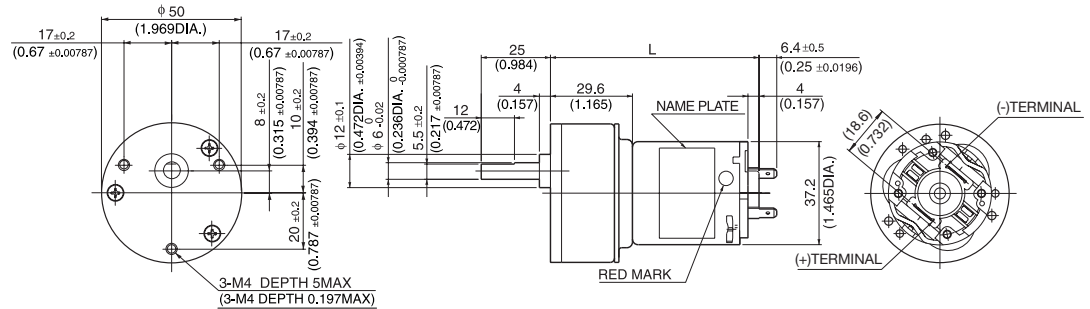
● SPECIFICATION OF REVOLUTION SENSOR ARE SHOWN ON PAGE 8.

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

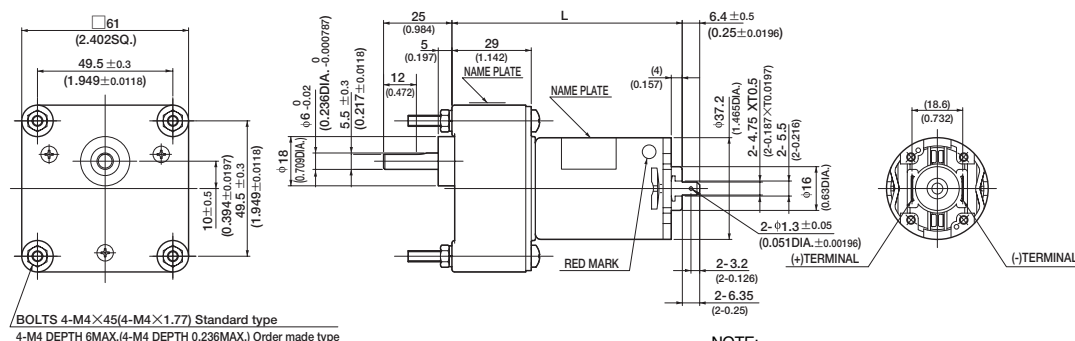
DME37

WITH GEARBOX
6DG



6DG

●DIMENSIONS Unit mm(inch)



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**

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

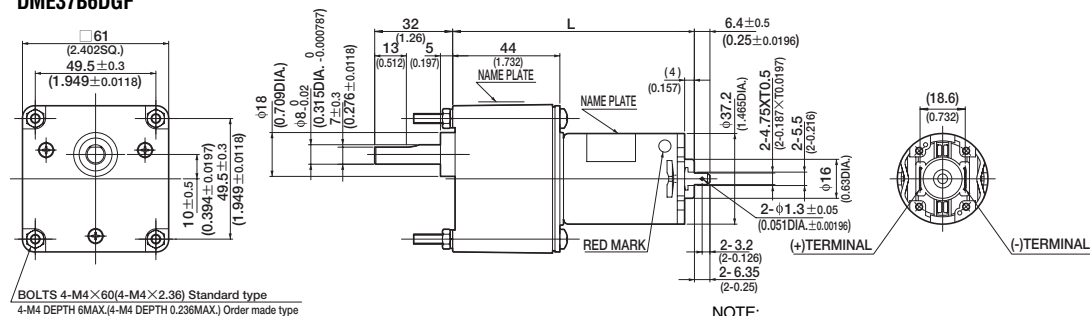
●with 6DG TYPE GEARBOX MOTOR MODEL **DME37S6HP**☆, **DME37B6HP**☆, **DME37K6HP**☆ & GEARBOX MODEL **6DG**□

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 ☆.

DME37B6DGF



NOTE:

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)
6DGF□ (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

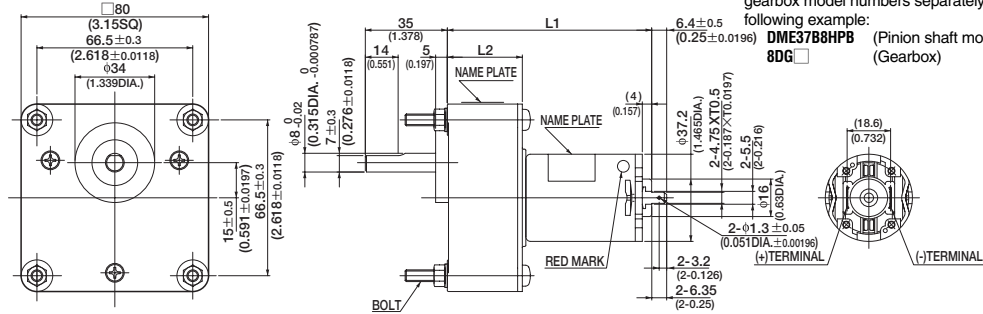
32

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

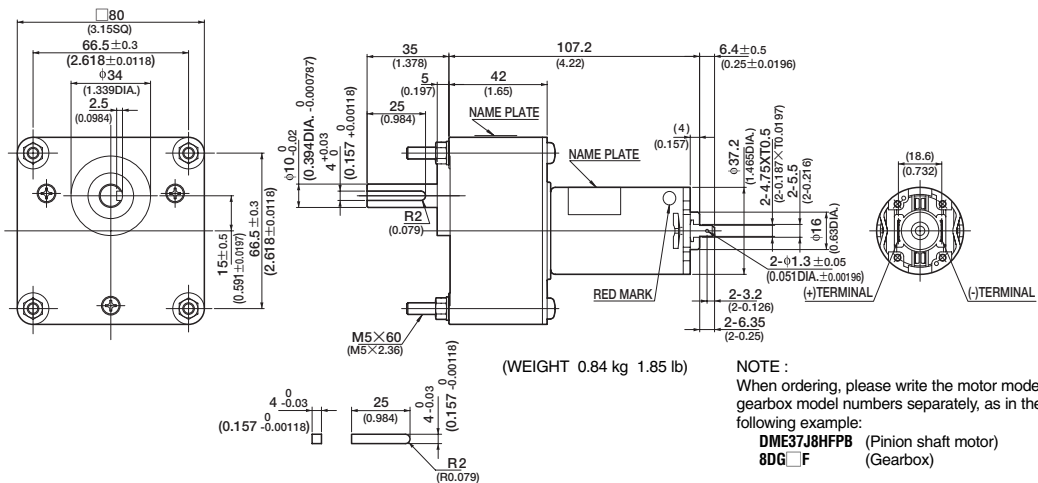
Model	Gear ratio		*30	*50	*75	*100	*150	250	300	*500	*750	*1800
			r/min	r/min	r/min	r/min	r/min	r/min	r/min	r/min	r/min	r/min
DME37B8HP☆ & 8DG	Rated speed	N·m	0.32	0.53	0.8	1.1	1.6	2.4	2.8	3.9	3.9	3.9
		oz·in	45.83	74.99	113.87	152.76	222.19	333.29	402.73	555.49	555.49	555.49
DME37K8HP☆ & 8DG	Rated speed	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	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



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

●with 8DGF TYPE GEARBOX MOTOR MODEL DME37J8HFPB & GEARBOX MODEL 8DGF

Model	Gear ratio		*25	*30	50	75	100	180
			r/min	r/min	r/min	r/min	r/min	r/min
DME37J8HFPB & 8DGF	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 ☆.