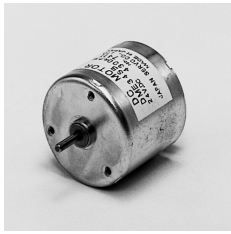
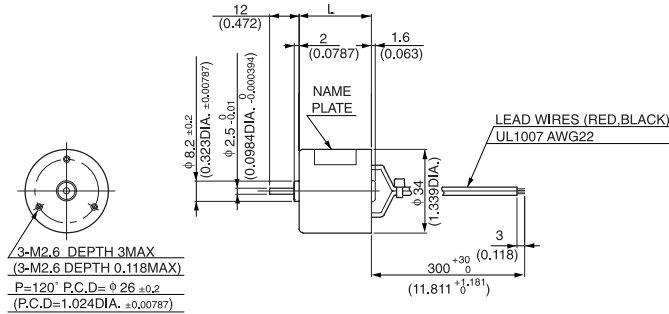


DME34

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

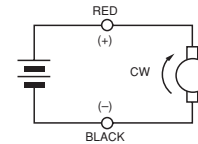


● DIMENSIONS Unit mm(inch)

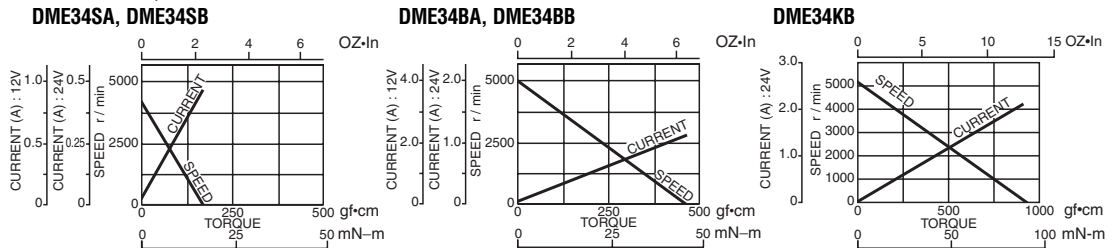


Model	L	Weight	
		g	lb
DME34SA	29.5	100	0.22
DME34SB	29.5	100	0.22
DME34BA	35.0	110	0.24
DME34BB	35.0	110	0.24
DME34KB	45	250	0.55

● CONNECTION



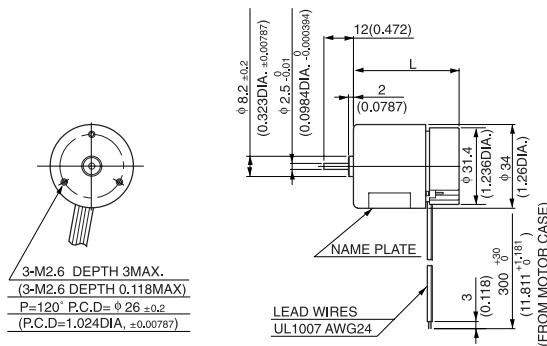
● CURRENT, SPEED-TORQUE CURVE



● STANDARD SPECIFICATIONS

Model	Rated					No load		Stall torque		
	Output W	Voltage V	Torque		Current A	Speed r/min	Current A	Speed r/min	mN-m	oz-in
			mN-m	oz-in						
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	0.04	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

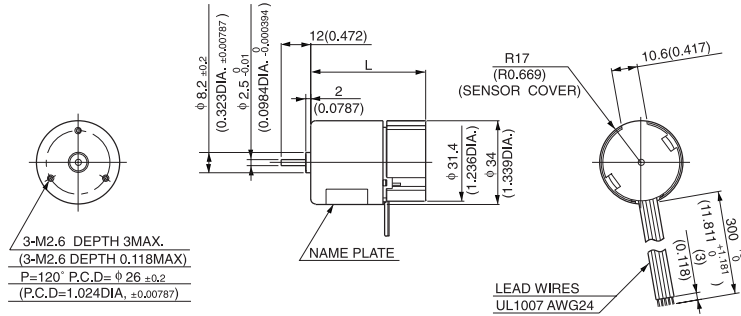


Model	L	Weight	
		g	lb
DME34SMA	43.1	110	0.24
DME34SMB	43.1	110	0.24
DME34BMA	48.6	120	0.26
DME34BMB	48.6	120	0.26
DME34KMB	58.6	260	0.57

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

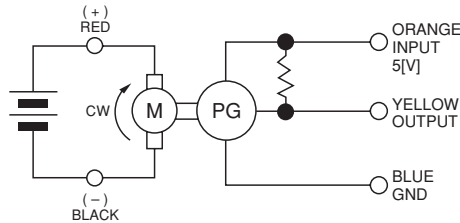
● REVOLUTION SENSOR OPTICAL TYPE



Model	L	Weight	
		g	lb
DME34SEA	47.1	120	0.26
DME34SEB			
DME34BEA	52.6	130	0.29
DME34BEB			
DME34KEB	62.6	270	0.59

● CONNECTION OF REVOLUTION SENSOR

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



● SPECIFICATION OF REVOLUTION SENSOR ARE SHOWN ON PAGE 4.

WITH GEARBOX 36G

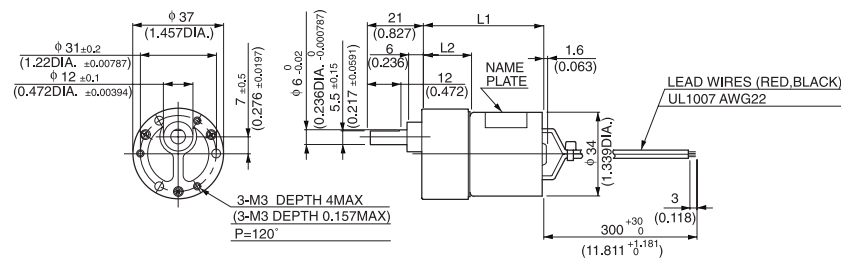
Gear heads for
intermittent drive



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
20~30	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		

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

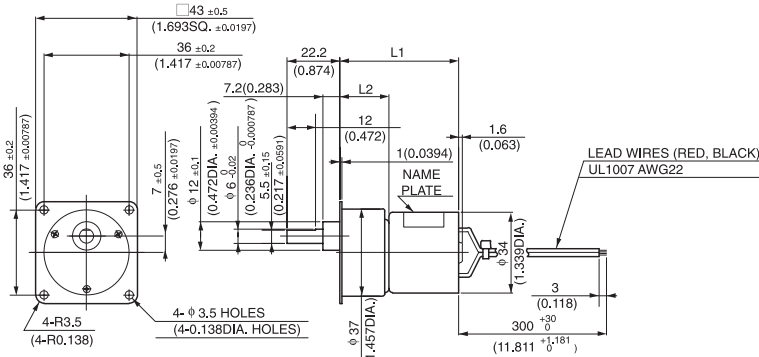
WITH GEARBOX 43G

Gear heads for
intermittent drive



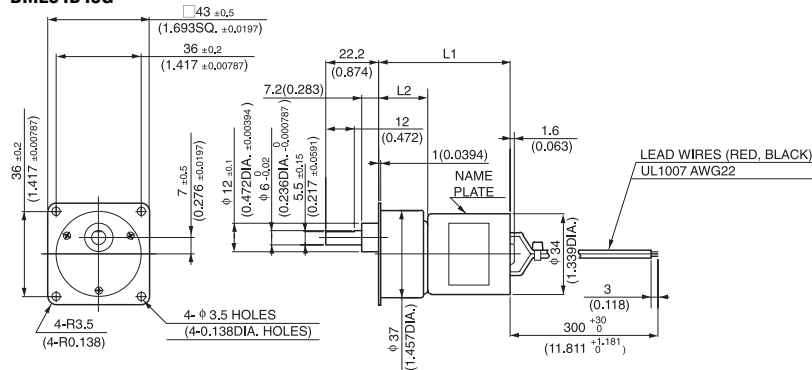
43G

● DIMENSIONS Unit mm(inch) DME34S43G



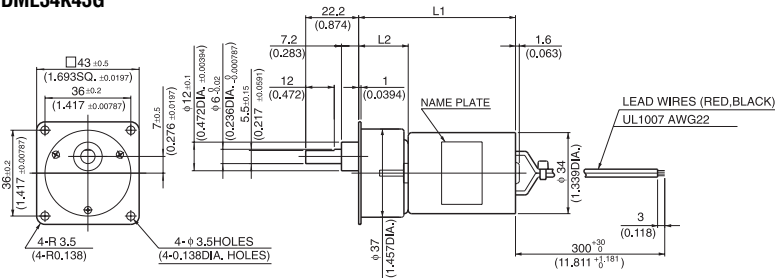
GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10~30	50.3	1.98	20.8	0.819	200	0.44
50~300	55.3	2.177	25.8	1.016		

DME34B43G



GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10~30	55.8	2.197	20.8	0.819	210	0.46
50~300	60.8	2.394	25.8	1.016		

DME34K43G



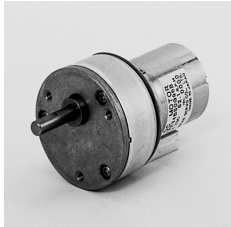
GEAR RATIO	L1		L2		WEIGHT	
	(mm)	(inch)	(mm)	(inch)	g	lb
10~30	65.8	2.591	20.8	0.819	350	0.77
50~300	70.8	2.787	25.8	1.016		

●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 <input type="checkbox"/> ☆	Rated torque	N·m	0.031	0.051	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
DME34B43G <input type="checkbox"/> ☆	Rated speed	r/min	370	205	185	123	74	65	54.9	43.4	36.5	30
		Rated torque	N·m	0.095	0.14	0.16	0.25	0.38	0.39	0.39	0.39	0.39
DME34K43G <input type="checkbox"/> B	Rated speed	r/min	430	239	215	143	89.0	75.9	62.2	47.4	40.0	32.4
		Rated torque	N·m	0.12	0.19	0.21	0.32	0.39	0.39	0.39	0.39	0.39
		oz-in	16.99	26.90	29.73	45.31	55.55	55.55	55.55	55.55	55.55	55.55

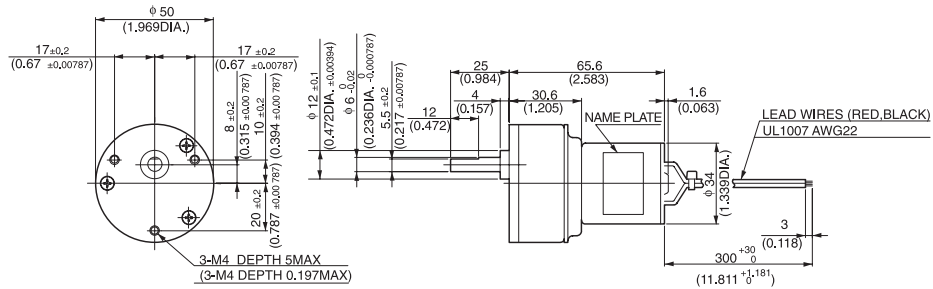
Model	Gear ratio		*180	*200	*250	*300
	Rated speed	r/min	18.6	17.2	14.5	12.4
DME34S43G <input type="checkbox"/> ☆	Rated torque	N·m	0.39	0.39	0.39	0.39
		oz-in	55.55	55.55	55.55	55.55
DME34B43G <input type="checkbox"/> ☆	Rated speed	r/min	25.5	23.1	18.8	15.8
		Rated torque	N·m	0.39	0.39	0.39
DME34K43G <input type="checkbox"/> B	Rated speed	r/min	27.2	24.6	19.9	16.6
		Rated torque	N·m	0.39	0.39	0.39
		oz-in	55.55	55.55	55.55	55.55

WITH GEARBOX
50G



50G

●DIMENSIONS Unit mm(inch)
DME34B50G



(WEIGHT 310g 0.68lb)

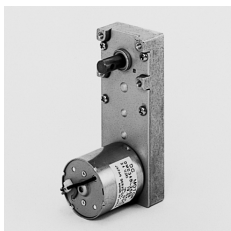
●with 50G TYPE GEARBOX

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	2.5
DME34B50G <input type="checkbox"/> ☆	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

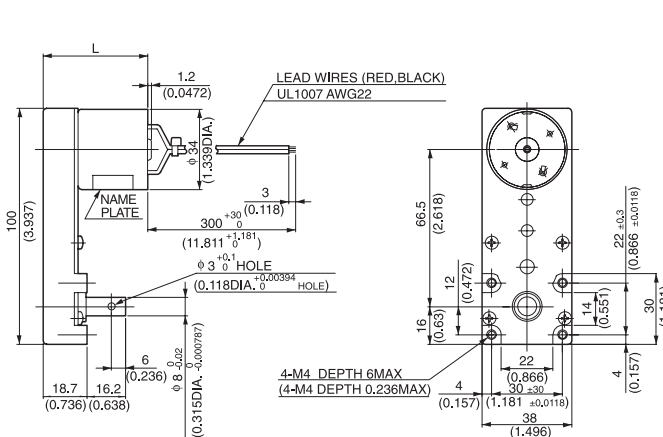


Gear heads for
intermittent drive



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	420	0.93

NOTES 1: On models marked with asterisks (*), the direction of the gearbox shaft rotation is in reverse of the motor rotation direction.
2: In notation model number : fill the reduction ratio denominator in the position marked with the box sign ; fill the voltage in the position marked with the star sign ☆.

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
	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
	oz·in		36.81	60.88	138.87	138.87	138.87	138.87

NOTES 1: On models marked with asterisks (*), the direction of the gearbox shaft rotation is in reverse of the motor rotation direction.
2: In notation model number : fill the reduction ratio denominator in the position marked with the box sign □ ; fill the voltage in the position marked with the star sign ☆.

WITH GEARBOX

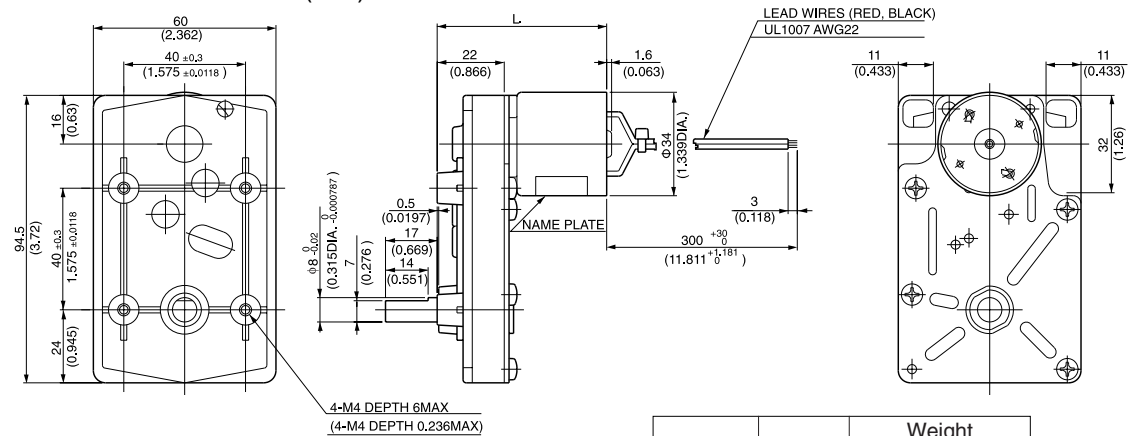
5C

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	460	1.01

●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
	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
	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
	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
	oz·in		138.87	138.87	138.87

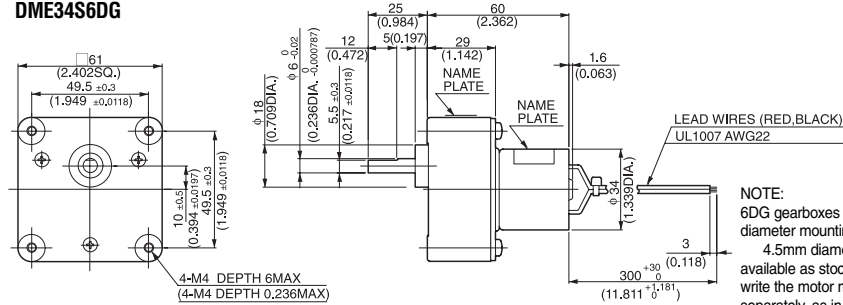
NOTES 1: On models marked with asterisks (*), the direction of the gearbox shaft rotation is in reverse of the motor rotation direction.
2: In notation model number : fill the reduction ratio denominator in the position marked with the box sign □ ; fill the voltage in the position marked with the star sign ☆.

WITH GEARBOX 6DG



6DG

● DIMENSIONS Unit mm(inch) DME34S6DG



A standard gear head (sold separately) has four holes of 4.5mm (0.177inch) diameter and attached with four bolts of M4 x 45mm. (M4 x 1.77inch)

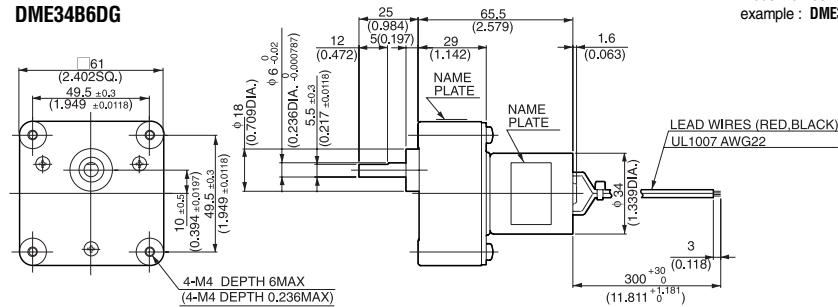
(WEIGHT 400g 0.88lb)

NOTE:
6DG gearboxes are available for either 4.5mm diameter mounting holes or M4 x 6mm tapped holes. 4.5mm diameter mounting holes type gearboxes are available as stock components. When ordering, please write the motor model and gearbox model numbers separately, as in the following example:

Pinion Shaft Motor + Gearbox
DME34B6HPB + 6DG

M4 x 6mm tapped mounting hole type gearboxes are available only on demand, and are supplied only as combined unit with motors. When ordering, please write model number as a single unit, as in the following example : DME34B6H

DME34B6DG



A standard gear head (sold separately) has four holes of 4.5mm (0.177inch) diameter and attached with four bolts of M4 x 45mm. (M4 x 1.77inch)

(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
		N·m	0.047	0.12	0.14	0.22	0.26	0.42	0.64	0.85	0.98	0.98	0.98
DME34B6HP☆ & 6DG	Rated torque	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
		N·m	0.98	0.98	0.98	0.98	0.98	0.98
DME34B6HP☆ & 6DG	Rated torque	oz-in	138.87	138.87	138.87	138.87	138.87	138.87

DME34

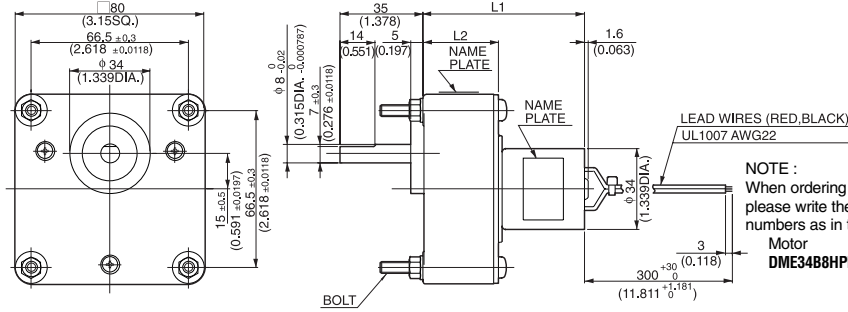
WITH GEARBOX 8DG



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

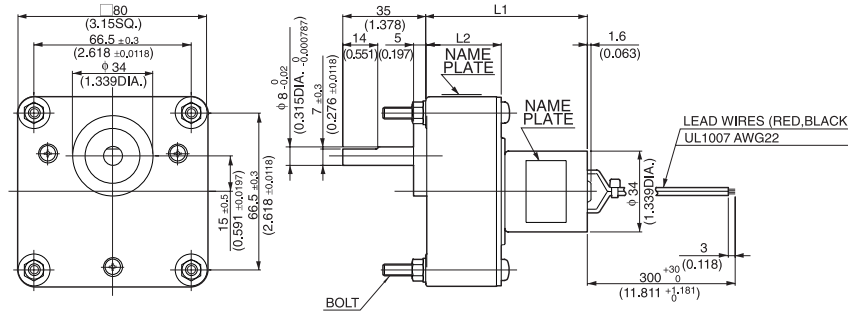
●DIMENSIONS Unit mm(inch)
DME34B8DG



NOTE :
When ordering motors with 8DG gearboxes,
please write the motor model and gearbox model
numbers as in the following example :
Motor **DME34B8HPB** + Gearbox **8DG** □

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
225~1800	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	Rated speed	r/min	*30	*50	*75	*100	*150	250	300	*500	*750	*1800
				DME34B8HP☆ & 8DG □	N-m	0.25	0.42	0.64	0.85	1.3	1.9	2.3	3.4
	oz-in	36.11	59.71	90.27	120.82	180.53	263.86	319.40	486.05	555.49	555.49	555.49	
DME34K8HP☆ & 8DG □	N-m	0.32	0.53	0.80	1.0	1.6	2.4	2.9	3.9	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	555.49	

NOTES 1: On models marked with asterisks (*), the direction of the gearbox shaft rotation is in reverse of the motor rotation direction.
2: In notation model number : fill the reduction ratio denominator in the position marked with the box sign □ ; fill the voltage in the position marked with the star sign ☆.