



INDUCTION MOTORS

Frame size 90mm sq. (3.54 in.sq.)

Single-Phase, Three-Phase

LEAD WIRE TYPE

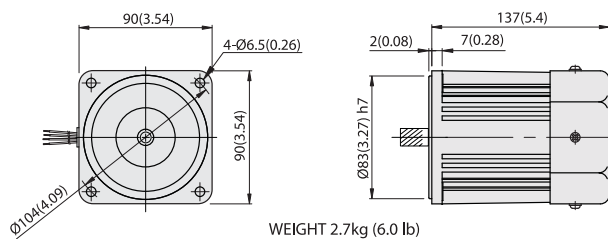
INDUCTION MOTORS

DIMENSIONS

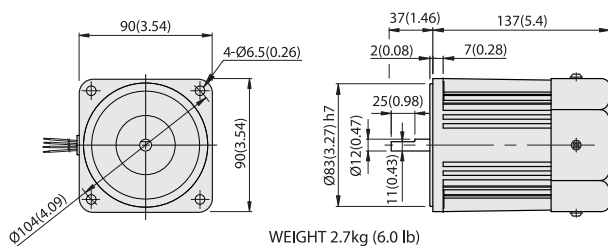
SPEED-TORQUE CURVE

Unit : mm(inch)

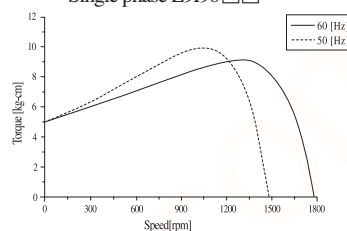
E9190□H



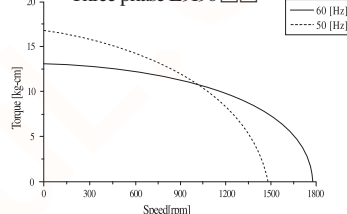
E9190D□



Single phase E9190□□

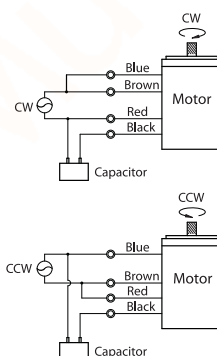


Three phase E9190□□

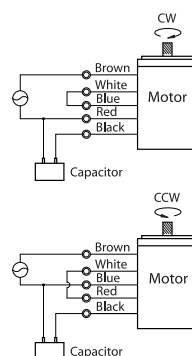


CONNECTION DIAGRAMS

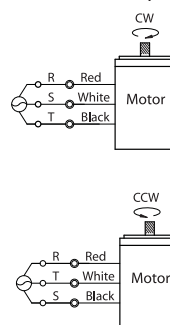
Standard



With T.P.



Three phase



SPECIFICATIONS

CONTINUOUS DUTY, INSULATION CLASS A or E, 4POLES

The direction of rotation is seen from the end of motor shaft.

Model	Output		Voltage	Frequency	Rated						Starting Torque			Capacitor
	(HP)	(W)			Input	Current	Torque			Speed	(kg-cm)	(N-m)	(oz-in)	
			(V)	(Hz)	(W)	(A)	(kg-cm)	(N-m)	(oz-in)	(rpm)				(μF)
E9190□C	1/8	90	1Ø100	50	190	1.90	6.8	0.666	94.43	1300	4.5	0.441	62.49	25
				60	190	1.80	5.5	0.539	76.38	1600	4.5	0.441	62.49	
E9190□D	1/8	90	1Ø200	50	190	0.80	6.8	0.666	94.43	1300	5.4	0.529	74.99	7
				60	190	0.92	5.5	0.539	76.38	1600	5.4	0.529	74.99	
E9190□B	1/8	90	1Ø220	60	200	1.0	5.5	0.539	76.38	1600	5.1	0.500	70.82	6
E9190□E	1/8	90	1Ø115	60	200	1.80	5.5	0.539	76.38	1600	4.5	0.441	62.49	
E9190□X	1/8	90	1Ø220~240	50	200	0.90	6.8	0.666	94.43	1300	5.1	0.500	70.82	6
E9190□U	1/8	90	3Ø200	50	180	0.64	6.8	0.666	94.43	1300	17	1.666	236.08	-
				60	180	0.61	5.7	0.559	79.16	1550	13	1.274	180.53	
E9190□T	1/8	90	3Ø220	50	180	0.66	6.5	0.637	90.27	1350	19	1.862	263.85	-
				60	180	0.63	5.5	0.539	76.38	1600	15	1.470	208.30	
E9190□S	1/8	90	3Ø380	50	180	0.38	6.5	0.637	90.27	1350	19	1.862	263.85	-
				60	180	0.37	5.5	0.539	76.38	1600	15	1.470	208.30	
E9190□R	1/8	90	3Ø440	50	180	0.34	6.5	0.637	90.27	1350	19	1.862	263.85	-
				60	180	0.32	5.5	0.539	76.38	1600	15	1.470	208.30	

* Model in grey screen represents the motors with THERMALLY PROTECTED according to UL regulation.

* Model in dark grey screen represents the motors with THERMALLY PROTECTED according to CE regulation.



GEARHEADS(POWERFUL TYPE)

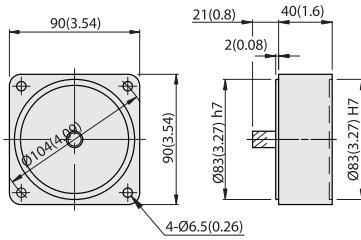
Frame size 90mm sq. (3.54 in.sq.)

BALL BEARING TYPE

DIMENSIONS

DECIMAL GEARHEAD

E9V10D

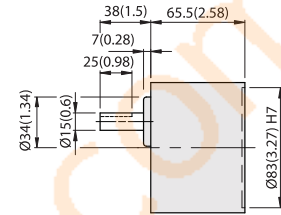


WEIGHT 0.6kg (1.3 lb)

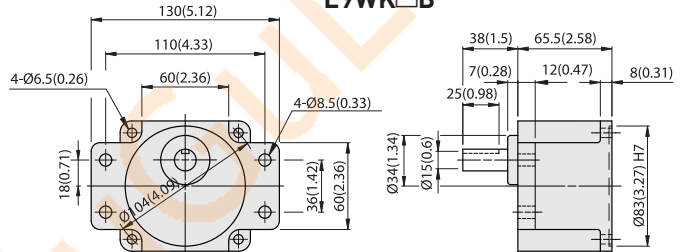
GEARHEAD

Unit : mm(inch)

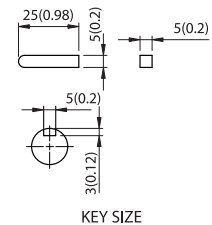
E9VK□B



E9WK□B

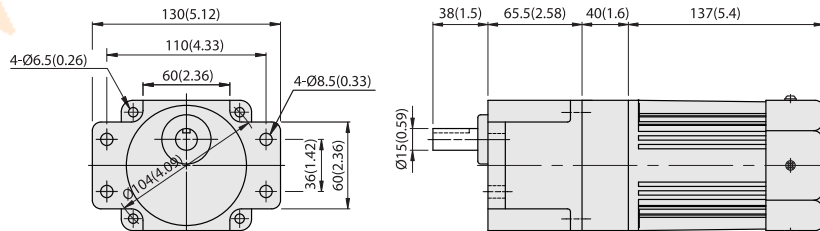


MODEL	GEAR RATIO	WEIGHT		BOLT
		kg	lb	
E9VK□B	1/3~1/200	1.5	3.3	M6x95
E9WK□B	1/3~1/200	1.6	3.5	M8xL30



KEY SIZE

E9WK□B + E9V10D + E9I90P□H



RATED TORQUE OF GEARHEAD

MODEL	Speed(rpm)		500	300	200	120	100	60	50	30	20	15	10	9	6	5	3	2	1
	Ratio	50Hz	3	5	7.5	12.5	15	25	30	50	75	100	150	166.7	250	300	500	750	1500
		60Hz	3.6	6	9	15	18	30	36	60	90	120	180	200	300	360	600	900	1800
E9VK□B		kg-cm	16.5	27.5	41.3	62.1	74.5	112.2	134.6	200	200	200	200	200	200	200	200	200	200
E9WK□B		N-m	1.62	2.70	4.05	6.08	7.30	11.00	13.19	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60
E9V10D(DECIMAL)		oz-in	229	382	574	862	1034	1558	1870	2777	2777	2777	2777	2777	2777	2777	2777	2777	2777

* The normal torque is that the motor and gearhead are directly coupled.

* Insert the denominator of reduction ratio in □ of gearhead model name.

* Actual rotation speed is 2~15% less than synchronous speed.

* ■Color indicates that the rotation of gearhead shaft is in opposite direction as output shaft of motor.

With Decimal Gearhead