



90W (1/8 HP)

SPEED CONTROL INDUCTION MOTORS Frame size 90mm sq. (3.54 in. sq.)

Single-Phase

LEAD WIRE TYPE

SPECIFICATIONS

CONTINUOUS DUTY, INSULATION CLASS A or E, 4POLES

Model	Maximum Output		Voltage (V)	Frequency (Hz)	Input (W)	Max. Current (A)	Permissible Torque						Speed Range (rpm)	Starting Torque			Capacitor (μF)
	(HP)	(W)					1200(rpm)			90(rpm)				(kg-cm)	(N-m)	(oz-in)	
			(kg-cm)	(N-m)	(oz-in)	(kg-cm)	(N-m)	(oz-in)	(rpm)	(kg-cm)	(N-m)	(oz-in)					
L9190□C HT	1/8	90	1∅100	50	200	2.5	6	0.588	83.32	2.3	0.225	31.94	90~1400	4.5	0.441	62.49	25
				60	200	2.4	5.5	0.539	76.38	2.3	0.225	31.94	90~1700	4.5	0.441	62.49	
L9190□D HT	1/8	90	1∅200	50	200	1.1	6	0.588	83.32	2.3	0.225	31.94	90~1400	5.4	0.529	74.99	7
				60	200	1.2	5.5	0.539	76.38	2.3	0.225	31.94	90~1700	5.4	0.529	74.99	
L9190□B HT	1/8	90	1∅220	60	210	1.3	6	0.588	83.32	2.5	0.245	34.72	90~1700	5.1	0.500	70.82	6
L9190□E HT	1/8	90	1∅115	60	210	2.4	6	0.588	83.32	2.2	0.216	30.55	90~1700	4.5	0.441	62.49	20
L9190□X HT	1/8	90	1∅220~240	50	210	1.2	7.1	0.696	98.60	2.3	0.225	31.94	90~1400	5.1	0.500	70.82	6

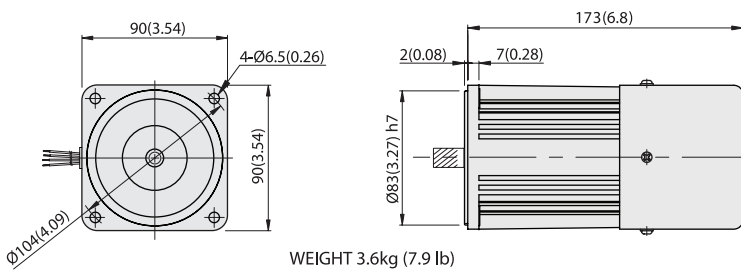
- * Model in grey screen represents the motors with THERMALLY PROTECTED according to UL regulation.
- * Model in dark grey screen represents the motors with THERMALLY PROTECTED according to CE regulation.
- * In case of some models certificated for export, the special cord like CE or UL is added after the existing model no. ex) L9160□XH-CE, L9160□EH-UL.
- * Insulation class for motors which acquired certificates for export is B.

SPEED CONTROL INDUCTION MOTORS

DIMENSIONS

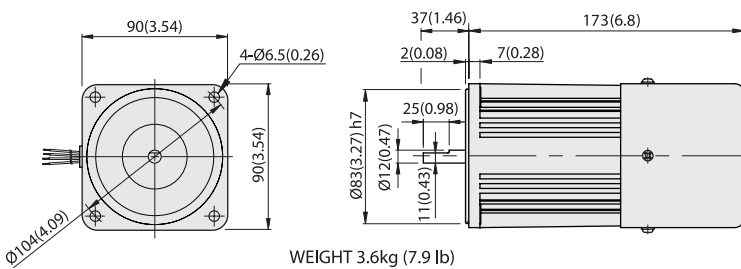
L9190P□ HT

Unit : mm(inch)



WEIGHT 3.6kg (7.9 lb)

L9190D□ LT

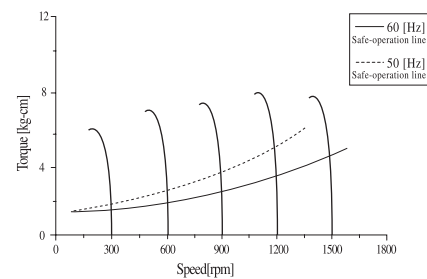


WEIGHT 3.6kg (7.9 lb)



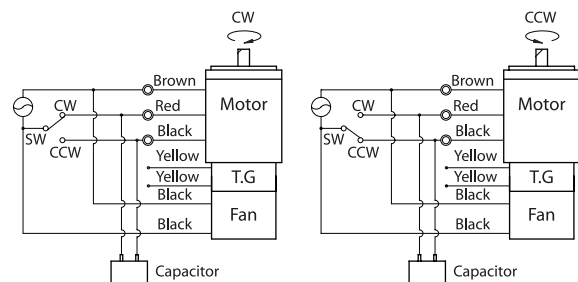
SPEED-TORQUE CURVE

Single phase L9190□□ HT



CONNECTION DIAGRAMS

Standard or with T.P



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