



90W (1/8 HP)

SPEED CONTROL REVERSIBLE 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)					
L9R90□C HT	1/8	90	1∅100	50	235	2.6	7.2	0.706	99.99	4.9	0.480	68.05	90~1400	6.7	0.657	93.04	35
60					3.0	6	0.588	83.32	4.9	0.480	68.05	90~1700	6.7	0.657	93.04		
L9R90□D HT	1/8	90	1∅200	50	235	1.30	7.2	0.706	99.99	4.9	0.480	68.05	90~1400	6.7	0.657	93.04	9
60					1.55	6	0.588	83.32	4.9	0.480	68.05	90~1700	6.7	0.657	93.04		
L9R90□B HT	1/8	90	1∅220	60	255	1.50	8	0.784	111.10	5.6	0.549	77.77	90~1700	8.2	0.804	113.87	8.5
L9R90□E HT	1/8	90	1∅115	60	235	2.2	6	0.588	83.32	4.9	0.480	68.05	90~1700	6.5	0.637	90.27	20
L9R90□X HT	1/8	90	1∅220~240	50	235	1.3	7.2	0.706	99.99	5	0.490	69.43	90~1400	7.6	0.745	105.54	8

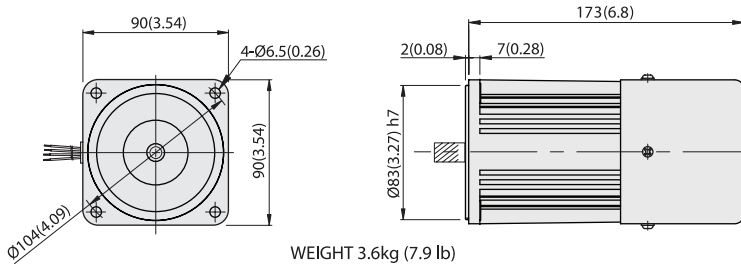
- * Model in grey screen represents the motors with THERMALLY PROTECTED according to UL regulation.
- * Model in dark grey screen represents the motors with THERMALLY PROTECTED according to CE regulation.
- * In case of some models certificated for export, the special cord like CE or UL is added after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

SPEED CONTROL REVERSIBLE MOTORS

DIMENSIONS

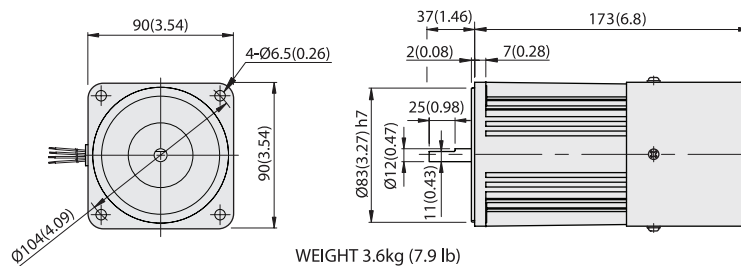
L9R90P□ HT

Unit : mm(inch)



WEIGHT 3.6kg (7.9 lb)

L9R90D□ HT

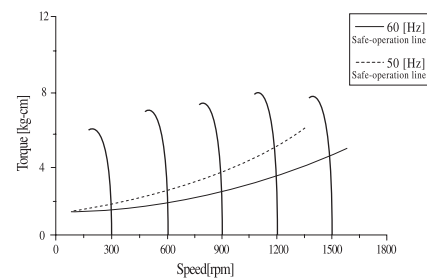


WEIGHT 3.6kg (7.9 lb)



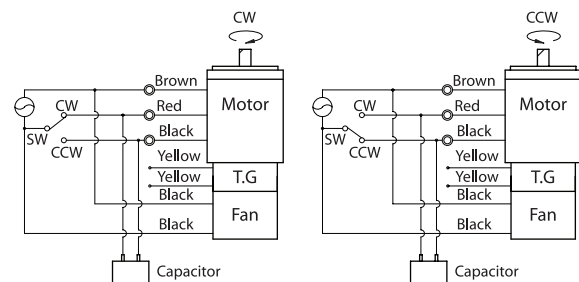
SPEED-TORQUE CURVE

Single phase L9R90□□ HT



CONNECTION DIAGRAMS

Standard or with T.P.



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