



# 90W (1/8 HP) BRAKE MOTORS

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

Single-Phase, Three-Phase

LEAD WIRE TYPE

## SPECIFICATIONS

30MIN. DUTY, INSULATION CLASS A or E, 4POLES

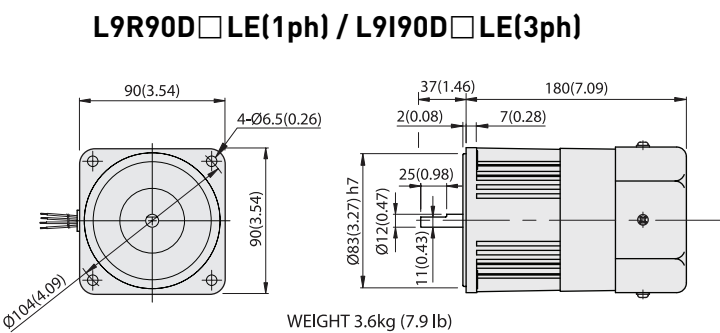
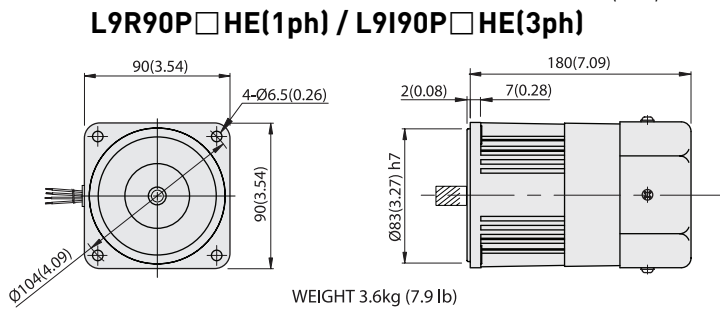
Model	Output		Voltage (V)	Frequency (Hz)	Rated						Starting Torque			Magnetic Brake			Capacitor ( $\mu$ F)	
	(HP)	(W)			Input (W)	Current (A)	Torque			Speed (rpm)	(kg-cm)	(N-m)	(oz-in)	Torque				Current (A)
							(kg-cm)	(N-m)	(oz-in)					(kg-cm)	(N-m)	(oz-in)		
L9R90□C HE	1/8	90	1 $\varnothing$ 100	50	230	2.0	6.8	0.666	94.43	1300	6.7	0.657	93.04	10	0.980	138.87	0.11	35
60				230	2.3	5.5	0.539	76.38	1600	6.7	0.657	93.04	10	0.980	138.87	0.11		
L9R90□D HE	1/8	90	1 $\varnothing$ 200	50	230	1.0	6.8	0.666	94.43	1300	6.7	0.657	93.04	10	0.980	138.87	0.11	9
60				230	1.2	5.5	0.539	76.38	1600	6.7	0.657	93.04	10	0.980	138.87	0.11		
L9R90□B HE	1/8	90	1 $\varnothing$ 220	60	250	1.15	5.5	0.539	76.38	1600	8.2	0.804	113.87	10	0.980	138.87	0.11	8.5
L9R90□E HE	1/8	90	1 $\varnothing$ 115	60	230	1.7	5.5	0.539	76.38	1600	6.5	0.637	90.27	10	0.980	138.87	0.11	20
L9R90□X HE	1/8	90	1 $\varnothing$ 220-240	50	230	1.0	6.8	0.666	94.43	1300	7.6	0.745	105.54	10	0.980	138.87	0.11	8
L9I90□U HE	1/8	90	3 $\varnothing$ 200-230	50	180	0.64	6.8	0.666	94.43	1300	17	1.666	236.08	10	0.980	138.87	0.11	-
60				180	0.61	5.7	0.559	79.16	1550	13	1.274	180.53	10	0.980	138.87	0.11		
L9I90□T HE	1/8	90	3 $\varnothing$ 220	50	180	0.66	6.5	0.637	90.27	1350	19	1.862	263.85	10	0.980	138.87	0.11	-
60				180	0.63	5.5	0.539	76.38	1600	15	1.470	208.30	10	0.980	138.87	0.11		
L9I90□S HE	1/8	90	3 $\varnothing$ 380-415	50	180	0.38	6.5	0.637	90.27	1350	19	1.862	263.85	10	0.980	138.9	0.11	-
60				180	0.37	5.5	0.539	76.38	1600	15	1.470	208.30	10	0.980	138.9	0.11		

- \* 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) L9I60□XH-CE, L9I60□EH-UL.
- \* Insulation class for motors which acquired certificates for export is B.

BRAKE MOTORS

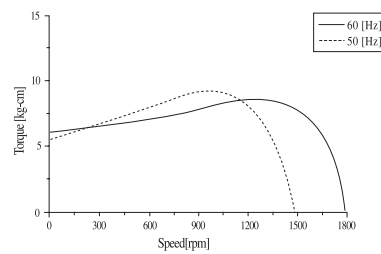
## DIMENSIONS

Unit : mm(inch)

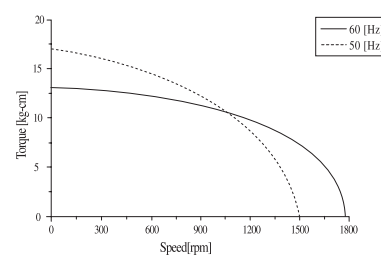


## SPEED-TORQUE CURVE

Single phase L9R90□□HE



Three phase L9I90□□HE

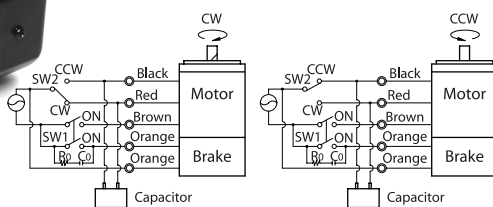


## CONNECTION DIAGRAMS

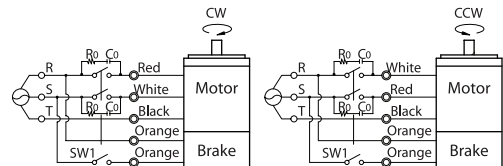
Standard or with T.P



Single Phase



Three Phase



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