



**TYPE TEST REPORT OF SINGLE
PHASE ASYNCHRONOUS MOTOR**

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MODEL	ML90S-2	KW	1.5KW
CLASS	F	POLE	2
IP	IP55	VOLT(V)	230
S/N	20051010001	Hz	50
START C(μF/V)	150/250	RATED CURRENT	
RUN C(μF/V)	40/450	RATED RPM	2840

No:	ITEM	UNIT	STANDARD	TOLERANCE	RESULT
1	Efficiency	%			78.95
2	Power factor	Cosφ			0.9861
3	Temp.rise of stator main winding	K			57.33
4	Temp.rise of stator assist. winding	K			52.2
5	Temp.rise of stator main winding when oyer load 1.5 times	K			
6	Temp.rise of stator assist. Winding when over load 1.5 times	K			
7	Pullup torque/rated torque				2.29
8	Max torque/rated torque				2.8
9	Locked totor torque/rayed torque				2.6
10	Locked totor current/rayed current				5.51
11	Full load input	Kw			1.8891
12	Full load output	Kw			1.4913
13	Full load current	A			8.329
14	Full load torque	Nm			5
15	Full load speed	RPM			2845.3
16	Slip	%			5.157
17	No load input	Kw			0.366
18	No load current	A			3.04
19	Stray load loss	Kw			0.0094
20	Iron core loss	Kw			0.3104
21	Friction&windage loss	Kw			0.038
22	Stator winding loss	Kw			
23	Rotor winding loss	Kw			
24	Stator mian winding resistance(25°C)	Ω			1.794
25	Stator assist. winding resistance(25°C)	Ω			2.789
26	High voltage test	KV			1.5
27	Impulse voltage test	KV			1.5
28	Hot insulation resistance of stator winding	MΩ			500
29	Open speed of centrifugal switch	RPM			2440
30	No load voltage of run capacitor end	V			372
31	Full load voltage of run capacitor end	V			330
32	Temp.of bearing	°C			50
33	Vibration	mm/s			
34	Noise(LP)	dB(a)			

L=80mm MAIN WINDING Φ2-0.8 36,34,26,17,7 ASIST WINDING: 2-Φ0.65 52,41,25,11
200uF/250V 40uF/450V