



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

No: ML004

DATE: 2005.10.04

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MODEL	ML90s-4	KW	1.1KW
CLASS	F	POLE	4 main I=5.5A
IP	IP55	VOLT(V)	230 asist.I=3.6A
S/N	20051004001	Hz	50
START C(μF/V)	150/250	RATED CURRENT	
RUN C(μF/V)	35/450	RATED RPM	1400

No:	ITEM	UNIT	STANDARD	TOLERANCE	RESULT
1	Efficiency	%			74.85
2	Power factor	Cosφ			0.9665
3	Temp.rise of stator main winding	K			59.27
4	Temp.rise of stator assist. winding	K			57.75
5	Temp.rise of stator main winding when over load 1.5 times	K			
6	Temp.rise of stator assist. Winding when over load 1.5 times	K			
7	Pullup torque/rated torque				2.61
8	Max torque/rated torque				2.78
9	Locked totor torque/rayed torque				2.79
10	Locked totor current/rayed current				5.19
11	Full load input	Kw			1.4757
12	Full load output	Kw			1.1045
13	Full load current	A			6.638
14	Full load torque	Nm			7.51
15	Full load speed	RPM			1402.7
16	Slip	%			6.489
17	No load input	Kw			0.4206
18	No load current	A			3.806
19	Stray load loss	Kw			0.0074
20	Iron core loss	Kw			0.3781
21	Friction&windage loss	Kw			0.0086
22	Stator winding loss	Kw			
23	Rotor winding loss	Kw			
24	Stator mian winding resistance(25°C)	Ω			3.0511
25	Stator assist. winding resistance(25°C)	Ω			4.3913
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			1180
30	No load voltage of run capacitor end	V			372
31	Full load voltage of run capacitor end	V			333
32	Temp.of bearing	°C			58
33	Vibration	mm/s			
34	Noise(LP)	dB(a)			