



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

No: ML005

DATE: 2005.10.05

PAGE: 1/1

MODEL	ML90L-4	KW	1.5KW
CLASS	F	POLE	4
IP	IP55	VOLT(V)	230
S/N	20051005001	Hz	50
START C(μF/V)	200/250	RATED CURRENT	
RUN C(μF/V)	40/450	RATED RPM	1400

No:	ITEM	UNIT	STANDARD	TOLERANCE	RESULT
1	Efficiency	%			76.69
2	Power factor	Cosφ			0.9463
3	Temp.rise of stator main winding	K			64.57
4	Temp.rise of stator assist. winding	K			60.45
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				2.58
8	Max torque/rated torque				2.72
9	Locked totor torque/rayed torque				2.82
10	Locked totor current/rayed current				5.36
11	Full load input	Kw			1.9635
12	Full load output	Kw			1.5058
13	Full load current	A			9.022
14	Full load torque	Nm			10.2
15	Full load speed	RPM			1406.1
16	Slip	%			6.258
17	No load input	Kw			0.438
18	No load current	A			5.045
19	Stray load loss	Kw			0.0098
20	Iron core loss	Kw			0.3825
21	Friction&windage loss	Kw			0.0108
22	Stator winding loss	Kw			
23	Rotor winding loss	Kw			
24	Stator mian winding resistance(25°C)	Ω			1.9276
25	Stator assist. winding resistance(25°C)	Ω			3.3864
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			950
30	No load voltage of run capacitor end	V			373
31	Full load voltage of run capacitor end	V			329
32	Temp.of bearing	°C			59
33	Vibration	mm/s			
34	Noise(LP)	dB(a)			