



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

No: ML002

DATE: 2005.10.04

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MODEL	ML712-4	KW	0.37KW
CLASS	F	POLE	4
IP	IP55	VOLT(V)	230
S/N	20051004001	Hz	50
START C(μF/V)	75/250	RATED CURRENT	2.84
RUN C(μF/V)	16/450	RATED RPM	1380

No:	ITEM	UNIT	STANDARD	TOLERANCE	RESULT
1	Efficiency	%			62.63
2	Power factor	Cosφ			0.9494
3	Temp.rise of stator main winding	K			66.08
4	Temp.rise of stator assist. winding	K			57.76
7	Pullup torque/rated torque				1.79
8	Max torque/rated torque				2.1
9	Locked rotor torque/rated torque				2.72
10	Locked rotor current/rated current				4.99
11	Full load input	Kw			0.6046
12	Full load output	Kw			0.3787
13	Full load current	A			2.769
14	Full load torque	Nm			2.53
15	Full load speed	RPM			1395.5
16	Slip	%			6.969
17	No load input	Kw			0.4914
18	No load current	A			2.333
19	Stray load loss	Kw			0.003
20	Iron core loss	Kw			0.2792
21	Friction&windage loss	Kw			0.008
22	Stator winding loss	Kw			
23	Rotor winding loss	Kw			
24	Stator mian winding resistance(25°C)	Ω			11.2543
25	Stator assist. winding resistance(25°C)	Ω			14.4432
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			
30	No load voltage of run capacitor end	V			375
31	Full load voltage of run capacitor end	V			337
32	Temp.of bearing	°C			59
33	Vibration	mm/s			
34	Noise(LP)	dB(a)			