



## TYPE TEST REPORT OF SINGLE PHASE ASYNCHRONOUS MOTOR

No: ML011  
DATE: 2005.10.07  
PAGE: 1/1

MODEL	ML712-2	KW	0.55KW
CLASS	F	POLE	2
IP	IP55	VOLT(V)	230
S/N	20051007001	Hz	50
START C(μF/V)	100/250	RATED CURRENT	
RUN C(μF/V)	16/450	RATED RPM	2800

No:	ITEM	UNIT	STANDARD	TOLERANCE	RESULT
1	Efficiency	%			73.24
2	Power factor	Cosφ			0.9647
3	Temp.rise of stator main winding	K			44.79
4	Temp.rise of stator assist. winding	K			39.86
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				1.27
8	Max torque/rated torque				2.6
9	Locked totor torque/rayed torque				2.77
10	Locked totor current/rayed current				6.07
11	Full load input	Kw			0.7611
12	Full load output	Kw			0.5574
13	Full load current	A			3.43
14	Full load torque	Nm			1.86
15	Full load speed	RPM			2826.1
16	Slip	%			5.797
17	No load input	Kw			0.2358
18	No load current	A			2.13
19	Stray load loss	Kw			0.0038
20	Iron core loss	Kw			0.1996
21	Friction&windage loss	Kw			0.0148
22	Stator winding loss	Kw			
23	Rotor winding loss	Kw			
24	Stator mian winding resistance(25°C)	Ω			6.0716
25	Stator assist. winding resistance(25°C)	Ω			9.5821
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			2080
30	No load voltage of run capacitor end	V			396
31	Full load voltage of run capacitor end	V			355
32	Temp.of bearing	°C			43
33	Vibration	mm/s			
34	Noise(LP)	dB(a)			

L=70 MAIN WINDING Φ0.67 58,57,41,17 ASIST WINDING: Φ0.59 71,70,51,21