



TYPE TEST REPORT OF SINGLE PHASE ASYNCHRONOUS MOTOR

No: ML001-1
DATE: 2005.10.04
PAGE: 1/1

MODEL	ML711-4	KW	0.25KW
CLASS	F	POLE	4 I ₀ =1.495A
IP	IP55	VOLT(V)	230 W ₀ =203.3W
S/N	20051004001	Hz	50 I _a =1.6A
START C(μF/V)	50/250	RATED CURRENT	I _b =1.2A
RUN C(μF/V)	12/450	RATED RPM	1400

No:	ITEM	UNIT	STANDARD	TOLERANCE	RESULT
1	Efficiency	%	61		59.23
2	Power factor	Cosφ	0.92		0.97
3	Temp.rise of stator main winding	K			60.33
4	Temp.rise of stator assist. winding	K			53.39
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		1.6		1.68
9	Locked rotor torque/rated torque		2.5		2.74
10	Locked rotor current/rated current				4.71
11	Full load input	Kw			0.4286
12	Full load output	Kw			0.2539
13	Full load current	A	1.94		1.921
14	Full load torque	Nm			1.73
15	Full load speed	RPM	1380		1385
16	Slip	%			7.669
17	No load input	Kw			0.2303
18	No load current	A			1.482
19	Stray load loss	Kw			0.0021
20	Iron core loss	Kw			0.1964
21	Friction&windage loss	Kw			0.0058
22	Stator winding loss	Kw			
23	Rotor winding loss	Kw			
24	Stator main winding resistance(25°C)	Ω			16.6027
25	Stator assist. winding resistance(25°C)	Ω			19.0653
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			1100
30	No load voltage of run capacitor end	V			366
31	Full load voltage of run capacitor end	V			327
32	Temp.of bearing	°C			49
33	Vibration	mm/s			
34	Noise(LP)	dB(a)			

L=55 Φ0.51 64,90,49 Φ0.47 71,91,33 12uF/450V, 50uF/250V