



## TYPE TEST REPORT OF SINGLE PHASE ASYNCHRONOUS MOTOR

No: ML012

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MODEL	ML711-2	KW	0.37KW
CLASS	F	POLE	2
IP	IP55	VOLT(V)	230
S/N	20051007001	Hz	50
START C(μF/V)	75/250	RATED CURRENT	
RUN C(μF/V)	12/450	RATED RPM	2800

No:	ITEM	UNIT	STANDARD	TOLERANCE	RESULT
1	Efficiency	%			70.63
2	Power factor	Cosφ			0.9642
3	Temp.rise of stator main winding	K			39.9
4	Temp.rise of stator assist. winding	K			36.45
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				1.08
8	Max torque/rated torque				2.13
9	Locked rotor torque/rated torque				2.84
10	Locked rotor current/rated current				5.78
11	Full load input	Kw			0.537
12	Full load output	Kw			0.3792
13	Full load current	A			2.421
14	Full load torque	Nm			1.26
15	Full load speed	RPM			2809.7
16	Slip	%			6.342
17	No load input	Kw			0.1976
18	No load current	A			1.628
19	Stray load loss	Kw			0.0027
20	Iron core loss	Kw			0.1647
21	Friction&windage loss	Kw			0.0146
22	Stator winding loss	Kw			
23	Rotor winding loss	Kw			
24	Stator main winding resistance(25°C)	Ω			9.4875
25	Stator assist. winding resistance(25°C)	Ω			15.4067
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			1820
30	No load voltage of run capacitor end	V			398
31	Full load voltage of run capacitor end	V			355
32	Temp.of bearing	°C			40
33	Vibration	mm/s			
34	Noise(LP)	dB(a)			

L=50 MAIN WINDING Φ0.59 77, 76, 55, 30 ASIST WINDING: Φ0.49 103,97,63,27