



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

No: 008-1

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MODEL	ML112M-4		KW	3.7	I _o =6.682A W _o =644W
CLASS	F		POLE	4	
IP	IP55		VOLT(V)	230	
S/N	ML008-1		Hz	50	
START C(μF/V)	600/300		RATED CURRENT	21.99	
RUN C(μF/V)	60/450		RATED RPM	1440	

No:	ITEM	UNIT	STANDARD	TOLERANCE	RESULT
1	Efficiency	%			81.18
2	Power factor	Cosφ			0.968
3	Temp.rise of stator main winding	K			74.14
4	Temp.rise of stator assist. winding	K			69.66
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
8	Max torque/rated torque				1.59
9	Locked rotor torque/rated torque				2.98
10	Locked rotor current/rated current				6.62
11	Full load input	Kw			4.9332
12	Full load output	Kw			4.005
13	Full load current	A			22.158
14	Full load torque	Nm			26.5
15	Full load speed	RPM			1440.6
16	Slip	%			3.958
17	No load input	Kw			0.626
18	No load current	A			6.116
19	Stray load loss	Kw			0.0247
20	Iron core loss	Kw			0.5771
21	Friction&windage loss	Kw			0.045
22	Stator winding loss	Kw			
23	Rotor winding loss	Kw			
24	Stator main winding resistance(25°C)	Ω			0.5837
25	Stator assist. winding resistance(25°C)	Ω			1.9191
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			1000
30	No load voltage of run capacitor end	V			429
31	Full load voltage of run capacitor end	V			376
32	Temp.of bearing	°C			61
33	Vibration	mm/s			
34	Noise(LP)	dB(a)			

L=145 main 4-Φ0.93 15,15,10,4 ASIST : Φ0.83+0.85 18,27,12 600uf/300V 60uf/450V