



TYPE TEST REPORT OF SINGLE PHASE ASYNCHRONOUS MOTOR

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MODEL	ML90L-2	KW	2.2KW
CLASS	F	POLE	2
IP	IP55	VOLT(V)	230
S/N	20051010001	Hz	50
START C(μF/V)	250/300	RATED CURRENT	
RUN C(μF/V)	50/450	RATED RPM	2840

No:	ITEM	UNIT	STANDARD	TOLERANCE	RESULT
1	Efficiency	%			78.95
2	Power factor	Cosφ			0.9859
3	Temp.rise of stator main winding	K			70.56
4	Temp.rise of stator assist. winding	K			70.06
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				2.27
8	Max torque/rated torque				2.64
9	Locked rotor torque/rated torque				2.78
10	Locked rotor current/rated current				6.3
11	Full load input	Kw			2.806
12	Full load output	Kw			2.2154
13	Full load current	A			12.374
14	Full load torque	Nm			7.41
15	Full load speed	RPM			2836.3
16	Slip	%			5.456
17	No load input	Kw			0.512
18	No load current	A			4.455
19	Stray load loss	Kw			0.014
20	Iron core loss	Kw			0.4302
21	Friction&windage loss	Kw			0.0612
22	Stator winding loss	Kw			
23	Rotor winding loss	Kw			
24	Stator main winding resistance(25°C)	Ω			1.0564
25	Stator assist. winding resistance(25°C)	Ω			2.2469
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			2280
30	No load voltage of run capacitor end	V			400
31	Full load voltage of run capacitor end	V			355
32	Temp.of bearing	°C			58
33	Vibration	mm/s			
34	Noise(LP)	dB(a)			

L=110mm MAIN WINDING Φ2-0.95 25,25,20,14,6 ASIST WINDING: 2-Φ0.71 44,33,20,8
250uF/450V 50uF/450V