



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

No: ML007-2
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MODEL	ML100L2-4	KW	3.0KW
CLASS	F	POLE	4
IP	IP55	VOLT(V)	230
S/N	ML007-2	Hz	50
START C(μF/V)	500/300	RATED CURRENT	
RUN C(μF/V)	60/450	RATED RPM	1400
			Io=10.01A Wo=641.5W

No:	ITEM	UNIT	STANDARD	TOLERANCE	RESULT
1	Efficiency	%			78.49
2	Power factor	Cosφ			0.9143
3	Temp.rise of stator main winding	K			80.34
4	Temp.rise of stator assist. winding	K			75.48
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				1.39
8	Max torque/rated torque				1.67
9	Locked rotor torque/rated torque				3.22
10	Locked rotor current/rated current				6.4
11	Full load input	Kw			3.8243
12	Full load output	Kw			3.0019
13	Full load current	A			18.186
14	Full load torque	Nm			19.9
15	Full load speed	RPM			1438.1
16	Slip	%			4.129
17	No load input	Kw			0.624
18	No load current	A			8.856
19	Stray load loss	Kw			0.0191
20	Iron core loss	Kw			0.5659
21	Friction&windage loss	Kw			0.0208
22	Stator winding loss	Kw			
23	Rotor winding loss	Kw			
24	Stator main winding resistance(25°C)	Ω			0.7517
25	Stator assist. winding resistance(25°C)	Ω			1.968
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			1110
30	No load voltage of run capacitor end	V			380
31	Full load voltage of run capacitor end	V			340
32	Temp.of bearing	°C			74
33	Vibration	mm/s			
34	Noise(LP)	dB(a)			

L=155 4-Φ0.83 15,15,11,5 ASIST WINDING: Φ0.77+0.75 17,23,9 500uf/300V 60uf/450V