

# ROYCE CROSS GROUP

## TEST REPORT

Report No. : 20080808A

page of

Product Type Name	MS8014 Three Phase Asynchronous Motor			Ser. No.	0806580223
Rated Output	0.55 kW	Rated Voltage	400 V	Rated Current	1.49 A
Rated Speed	1400 r/min	Rated Frequency	50 Hz	Insulation Class	F
Duty	S1	Protection Class	IP55	Connection	Y
Product Standard	Q/MABK019-2006	Testing Standard	GB/T1032-2005	Others	东源
Test Item	Eligibility Value			Test Value	Test Result
	Standard	Tolerance			
1. Stator resistance at 25 °C	Ω	/	/	0.0000	/
2. No load current	A	/	/	1.16	/
3. No load current deviation	%	/	/	1.72	/
4. No load input power	W	/	/	124.9	/
5. Locked rotor current	A	/	/	6.74	/
6. Locked current/Rated current		≤5.2	+1.04	4.46	Passed
7. Locked torque	N m	/	/	8.52	/
8. Locked torque/Rated torque		≥2.4	-0.36	2.29	Passed
9. Full load current	A	/	/	1.51	/
10. Rated torque	N m	/	/	3.720	/
11. Max. torque	N m	/	/	9.28	/
12. Max. torque/Rated torque		≥2.3	-0.23	2.49	Passed
13. Min. torque	N m	/	/	7.15	/
14. Min. torque/Rated torque	N m	≥1.7	-0.26	1.92	Passed
15. Full load speed	r/min	/	/	1412.0	/
16. Output power	W	/	/	550	/
17. Input power	W	/	/	760.8	/
18. Efficiency	%	≥71.0	-4.35	72.29	Passed
19. Power factor		≥0.75	-0.042	0.727	Passed
20. Full load stator winding temp. rise	K	≤80.0	/	54.8	Passed
21. Locked rotor current(at 100 voltage)	A	/	/	1.316	/
22. Bearing temperature	°C	≤95.0	/	56.0	Passed
21. Locked rotor power(at 100 voltage)	W	/	/	145.0	/
24. Insulation resistance warmly to frame	M Ω	≥0.4	/	500	Passed
25. Vibration	mm/s	/	/	/	/
26. Noise	dB(A)	/	/	/	/
27. High voltage test	V min	1800	/	Pass	Passed
28. H.V. impulse test between winding	V	2800	/	Pass	Passed
29. Over speed test 2min 1.2n		No abnormal	/	No abnormal	Passed
30. Over Torque test 15s		No abnormal	/	No abnormal	Passed
Conclusion	The test shows that this motor has reached the standard .				

Tested by

Checked by

Formed

2008-08-09