

ROYCE CROSS GROUP

## TEST REPORT

Product No. 20140712-1

Product Name Three Phase Asynchronous Motor

Model MSHE-112M-2          4.0kW

Examinee ROYCE CROSS GROUP.

Checkout Sort Periodic Test

Report Date 2014-07-12

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TESTING CENTER

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Product Type Name	MSHE-112M-2 Three Phase Asynchronous Motor			Ser.No.	04-58
Rated Output	4.0 kW	Rated Voltage	400 V	Rated Current	8.0 A
Rated Speed	2890 r/min	Rated Frequency	50 Hz	Insulation Class	F
Duty	S1	Protection Class	IP55	Connection	△
Product Standard		Testing Standard	GB/T1032-2005	Production Date	
Test Item		Eligibility Value		Test Value	Test Result
		Standard	Tolerance		
1. Stator resistance at 25°C	Ω	/	/	0.0000	/
2. No load current	A	/	/	2.91	/
3. No load current deviation	%	≤10	/	5.22	Passed
4. No load input power	W	/	/	265.9	/
5. Locked rotor current	A	/	/	64.59	/
6. Locked current/Rated current		≤8.3	+1.66	8.67	Passed
7. Locked torque	N m	/	/	36.12	/
8. Locked torque/Rated torque		≥2.0	-0.30	2.76	Passed
9. Full load current	A	/	/	7.45	/
10. Rated torque	N m	/	/	13.109	/
11. Max. torque	N m	/	/	/	/
12. Max. torque/Rated torque		/	/	/	/
13. Min. torque	N m	/	/	/	/
14. Min. torque/Rated torque	N m	/	/	/	/
15. Full load speed	r/min	/	/	2913.8	/
16. Output power	W	/	/	4000	/
17. Input power	W	/	/	4625.5	/
18. Efficiency	%	≥85.8	-2.13	86.48	Passed
19. Power factor		≥0.88	-0.020	0.897	Passed
20. Stator winding temp.rise	K	≤70	/	52.2	Passed
21. Ambient temperature	°C	/	/	24.55	/
22. Bearing temperature	°C	≤95	/	72.0	Passed
23. Stator core temperature	°C	/	/	62.90	/
24. Insulation resistance warmly to frameM Ω		/	/	/	/
25. Vibration	mm/s	/	/	/	/
26. Noise	dB(A)	/	/	/	/
27. High voltage test	V min	1800	/	/	/
28.					
29.					
30.					
Conclusion					

Tested by

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Formed

2014-07-12