

ROYCE CROSS GROUP

TEST REPORT

Product No. 20140820-1

Product Name Three Phase Asynchronous Motor

Model MSHE112M-6 2.2kW

Examinee ROYCE CROSS GROUP.

Checkout Sort Periodic Test

Report Date 2016-01-20

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page of

Product Type Name	MSHE112M-6 Three Phase Asynchronous Motor			Ser.No.	07-71
Rated Output	2.2 kW	Rated Voltage	400 V	Rated Current	5.6 A
Rated Speed	960 r/min	Rated Frequency	50 Hz	Insulation Class	F
Duty	S1	Protection Class	IP55	Connection	Y
Product Standard		Testing Standard	GB/T1032-2012	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	/	/	3.68	/
3. No load current deviation	%	≤10	/	5.60	Passed
4. No load input power	W	/	/	273.6	/
5. Locked rotor current	A	/	/	37.75	/
6. Locked current/Rated current		≤6.0	+1.20	7.03	Passed
7. Locked torque	N m	/	/	58.49	/
8. Locked torque/Rated torque		≥2.1	-0.31	2.68	Passed
9. Full load current	A	/	/	5.37	/
10. Rated torque	N m	/	/	21.810	/
11. Max. torque	N m	/	/	93.14	/
12. Max. torque/Rated torque		≥2.1	-0.21	4.27	Passed
13. Min. torque	N m	/	/	45.90	/
14. Min. torque/Rated torque	N m	≥1.3	-0.19	2.10	Passed
15. Full load speed	r/min	/	/	963.3	/
16. Output power	W	/	/	2200	/
17. Input power	W	/	/	2710.0	/
18. Efficiency	%	≥81.8	-2.73	81.18	Passed
19. Power factor		≥0.74	-0.043	0.729	Passed
20. Stator winding temp.rise	K	≤80	/	70.1	Passed
21. Ambient temperature	°C	/	/	22.44	/
22. Bearing temperature	°C	≤95	/	69.0	Passed
23. Stator core temperature	°C	/	/	79.60	/
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					

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2016-01-20