

ROYCE CROSS GROUP

TEST REPORT

Product No. 20141218-1

Product Name Three Phase Asynchronous Motor

Model MSHE100L1-4 2.2kW

Examinee ROYCE CROSS GROUP.

Checkout Sort Periodic Test

Report Date 2014-12-22

ROYCE CROSS GROUP
TESTING CENTER

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Product Type Name	MSHE100L1-4 Three Phase Asynchronous Motor			Ser.No.	
Rated Output	2.2 kW	Rated Voltage	400 V	Rated Current	4.8 A
Rated Speed	1400 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	/	/	2.53	/
3. No load current deviation	%	≤10	/	4.08	Passed
4. No load input power	W	/	/	170.5	/
5. Locked rotor current	A	/	/	31.37	/
6. Locked current/Rated current		≤7.5	+1.50	6.70	Passed
7. Locked torque	N m	/	/	40.68	/
8. Locked torque/Rated torque		≥2.3	-0.34	2.80	Passed
9. Full load current	A	/	/	4.68	/
10. Rated torque	N m	/	/	14.542	/
11. Max. torque	N m	/	/	50.59	/
12. Max. torque/Rated torque		≥2.3	-0.23	3.48	Passed
13. Min. torque	N m	/	/	33.42	/
14. Min. torque/Rated torque	N m	≥1.5	-0.23	2.30	Passed
15. Full load speed	r/min	/	/	1444.6	/
16. Output power	W	/	/	2200	/
17. Input power	W	/	/	2625.5	/
18. Efficiency	%	≥84.3	-2.35	83.79	Passed
19. Power factor		≥0.81	-0.032	0.809	Passed
20. Stator winding temp.rise	K	≤80	/	50.9	Passed
21. Ambient temperature	°C	/	/	13.79	/
22. Bearing temperature	°C	≤95	/	56.0	Passed
23. Stator core temperature	°C	/	/	43.80	/
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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2014-12-22