

ROYCE CROSS GROUP

TEST REPORT

Product No. 20160119-1

Product Name Three Phase Asynchronous Motor

Model MSHE90S-2 1.5kW

Examinee ROYCE CROSS GROUP.

Checkout Sort Periodic Test

Report Date 2016-01-19

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TESTING CENTER

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Product Type Name	MSHE90S-2 Three Phase Asynchronous Motor			Ser.No.	11-72
Rated Output	1.5 kW	Rated Voltage	400 V	Rated Current	3.7 A
Rated Speed	2890 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	/	/	1.69	/
3. No load current deviation	%	≤10	/	4.62	Passed
4. No load input power	W	/	/	126.1	/
5. Locked rotor current	A	/	/	22.51	/
6. Locked current/Rated current		≤7.6	+1.52	7.10	Passed
7. Locked torque	N m	/	/	14.99	/
8. Locked torque/Rated torque		≥2.0	-0.30	3.02	Passed
9. Full load current	A	/	/	3.17	/
10. Rated torque	N m	/	/	4.963	/
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	/	/	2886.2	/
16. Output power	W	/	/	1500	/
17. Input power	W	/	/	1825.0	/
18. Efficiency	%	≥81.3	-2.80	82.19	Passed
19. Power factor		≥0.84	-0.02	0.830	Passed
20. Stator winding temp.rise	K	≤80	/	45.9	Passed
21. Ambient temperature	°C	/	/	12.34	/
22. Bearing temperature	°C	≤95	/	42	Passed
23. Stator core temperature	°C	/	/	38.80	/
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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2016-01-19