

ROYCE CROSS GROUP

TEST REPORT

Product No. 20150918-2

Product Name Three Phase Asynchronous Motor

Model MSHE90S-4 1.1kW

Examinee ROYCE CROSS GROUP.

Checkout Sort Periodic Test

Report Date 2015-09-19

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TESTING CENTER

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Product Type Name	MSHE90S-4 Three Phase Asynchronous Motor			Ser.No.	08-24P1
Rated Output	1.1 kW	Rated Voltage	400 V	Rated Current	2.5 A
Rated Speed	1440 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	/	/	1.31	/
3. No load current deviation	%	≤10	/	2.99	Passed
4. No load input power	W	/	/	95.1	/
5. Locked rotor current	A	/	/	17.94	/
6. Locked current/Rated current		≤6.6	+1.32	7.32	Passed
7. Locked torque	N m	/	/	17.75	/
8. Locked torque/Rated torque		≥2.3	-0.34	2.43	Passed
9. Full load current	A	/	/	2.45	/
10. Rated torque	N m	/	/	7.300	/
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	/	/	1439.0	/
16. Output power	W	/	/	1100	/
17. Input power	W	/	/	1357.1	/
18. Efficiency	%	≥81.4	-2.79	81.06	Passed
19. Power factor		≥0.75	-0.042	0.800	Passed
20. Stator winding temp.rise	K	≤80	/	46.5	Passed
21. Ambient temperature	°C	/	/	21.96	/
22. Bearing temperature	°C	≤95	/	52.0	Passed
23. Stator core temperature	°C	/	/	55.00	/
24. Insulation resistance warmly to frame	M Ω	/	/	/	/
25. Vibration	mm/s	/	/	/	/
26. Noise	dB(A)	/	/	/	/
27. High voltage test	V min	1800	/	/	/
28.					
29.					
30.					
Conclusion					

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2015-09-19