

ROYCE CROSS GROUP

## TEST REPORT

Product No. 20151023-1

Product Name Three Phase Asynchronous Motor

Model MSHE90L-4                      1.5kW

Examinee ROYCE CROSS GROUP.

Checkout Sort Periodic Test

Report Date 2015-10-23

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TESTING CENTER

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Product Type Name	MSHE90L-4 Three Phase Asynchronous Motor			Ser.No.	09-09P1
Rated Output	1.5 kW	Rated Voltage	400 V	Rated Current	3.5 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	/	/	1.69	/
3. No load current deviation	%	≤10	/	3.02	Passed
4. No load input power	W	/	/	110.3	/
5. Locked rotor current	A	/	/	25.83	/
6. Locked current/Rated current		≤6.9	+1.38	7.92	Passed
7. Locked torque	N m	/	/	24.82	/
8. Locked torque/Rated torque		≥2.3	-0.34	2.49	Passed
9. Full load current	A	/	/	3.26	/
10. Rated torque	N m	/	/	9.964	/
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	/	/	1437.5	/
16. Output power	W	/	/	1500	/
17. Input power	W	/	/	1826.9	/
18. Efficiency	%	≥82.8	-2.58	82.11	Passed
19. Power factor		≥0.75	-0.042	0.808	Passed
20. Stator winding temp.rise	K	≤80	/	60.2	Passed
21. Ambient temperature	°C	/	/	20.33	/
22. Bearing temperature	°C	≤95	/	53	Passed
23. Stator core temperature	°C	/	/	67.90	/
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					

Tested by

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Formed

2015-10-23