

ROYCE CROSS GROUP

TEST REPORT

Product No. 20131108-1

Product Name Three Phase Asynchronous Motor

Model MSHE90S-6                      0.75kW

Examinee ROYCE CROSS GROUP.

Checkout Sort Periodic Test

Report Date 2013-11-08

ROYCE CROSS GROUP  
TESTING CENTER

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Product Type Name	MSHE90S-6 Three Phase Asynchronous Motor			Ser.No.	
Rated Output	0.75 kW	Rated Voltage	400 V	Rated Current	3.5 A
Rated Speed	910 r/min	Rated Frequency	50 Hz	Insulation Class	F
Duty	S1	Protection Class	IP55	Connection	Y
Product Standard		Testing Standard	GB/T1032-2005	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	/	/	1.40	/
3. No load current deviation	%	≤10	/	4.10	Passed
4. No load input power	W	/	/	125.5	/
5. Locked rotor current	A	/	/	9.57	/
6. Locked current/Rated current		≤5.8	+1.16	4.81	Passed
7. Locked torque	N m	/	/	17.00	/
8. Locked torque/Rated torque		≥2.1	-0.31	2.23	Passed
9. Full load current	A	/	/	1.99	/
10. Rated torque	N m	/	/	7.622	/
11. Max. torque	N m	/	/	23.23	/
12. Max. torque/Rated torque		≥2.1	-0.21	3.05	Passed
13. Min. torque	N m	/	/	13.34	/
14. Min. torque/Rated torque	N m	≥1.5	-0.23	1.75	Passed
15. Full load speed	r/min	/	/	939.7	/
16. Output power	W	/	/	750	/
17. Input power	W	/	/	1004.5	/
18. Efficiency	%	≥75.9	-3.61	74.66	Passed
19. Power factor		≥0.72	-0.047	0.730	Passed
20. Stator winding temp.rise	K	≤80	/	49.3	Passed
21. Ambient temperature	°C	/	/	19.92	/
22. Bearing temperature	°C	≤95	/	50.0	Passed
23. Stator core temperature	°C	/	/	51.90	/
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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2013-11-08