

ROYCE CROSS GROUP

TEST REPORT

Product No. 20140426-2

Product Name Three Phase Asynchronous Motor

Model MSHE100L-2                      3.0kW

Examinee ROYCE CROSS GROUP.

Checkout Sort Periodic Test

Report Date 2014-04-28

ROYCE CROSS GROUP  
TESTING CENTER

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## TEST REPORT

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Product Type Name	MSHE100L-2 Three Phase Asynchronous Motor			Ser.No.	03-80
Rated Output	3.0 kW	Rated Voltage	400 V	Rated Current	6.0 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/T1032-2005	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	/	/	2.40	/
3. No load current deviation	%	≤10	/	6.07	Passed
4. No load input power	W	/	/	227.7	/
5. Locked rotor current	A	/	/	50.80	/
6. Locked current/Rated current		≤8.1	+1.62	8.70	Passed
7. Locked torque	N m	/	/	30.95	/
8. Locked torque/Rated torque		≥2.0	-0.30	3.14	Passed
9. Full load current	A	/	/	5.84	/
10. Rated torque	N m	/	/	9.866	/
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	/	/	2903.7	/
16. Output power	W	/	/	3000	/
17. Input power	W	/	/	3564.8	/
18. Efficiency	%	≥84.6	-2.31	84.16	Passed
19. Power factor		≥0.87	-0.022	0.881	Passed
20. Stator winding temp.rise	K	≤80	/	40.2	Passed
21. Ambient temperature	°C	/	/	20.64	/
22. Bearing temperature	°C	≤95	/	48.0	Passed
23. Stator core temperature	°C	/	/	59.10	/
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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Formed

2014-04-28