

ROYCE CROSS GROUP

TEST REPORT

Product No. 20160122-2

Product Name Three Phase Asynchronous Motor

Model MSHE90L-2          2.2kW

Examinee ROYCE CROSS GROUP.

Checkout Sort Periodic Test

Report Date 2016-01-22

ROYCE CROSS GROUP  
TESTING CENTER

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## TEST REPORT

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page of

Product Type Name	MSHE90L-2 Three Phase Asynchronous Motor			Ser.No.	11-72
Rated Output	2.2 kW	Rated Voltage	400 V	Rated Current	6.5 A
Rated Speed	2915 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	/	/	2.01	/
3. No load current deviation	%	≤10	/	3.70	Passed
4. No load input power	W	/	/	133.2	/
5. Locked rotor current	A	/	/	34.70	/
6. Locked current/Rated current		≤7.0	+1.40	7.82	Passed
7. Locked torque	N m	/	/	23.24	/
8. Locked torque/Rated torque		≥2.8	-0.42	3.18	Passed
9. Full load current	A	/	/	4.44	/
10. Rated torque	N m	/	/	7.305	/
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	/	/	2876.0	/
16. Output power	W	/	/	2200	/
17. Input power	W	/	/	2646.7	/
18. Efficiency	%	≥83.2	-2.52	83.12	Passed
19. Power factor		≥0.85	-0.02	0.860	Passed
20. Stator winding temp.rise	K	≤80	/	56.7	Passed
21. Ambient temperature	°C	/	/	11.83	/
22. Bearing temperature	°C	≤95	/	42	Passed
23. Stator core temperature	°C	/	/	38.10	/
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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2016-01-22