

No: D10030036G1



广东省东莞市质量监督检测中心

Guangdong Dongguan Quality Supervision Testing Center

检 验 报 告

TEST REPORT



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Sample Description	Cooling Fan			Brand	JMC
				Type, Grade Specification	JMC 7cm full series
Produced Date	2010-02	Condition	Normal	Voucher No.	9003236
Serial No. of Sample	—			Test Type	Entrusted for test
Applicant	JMC Products			Sampling Method	Sending for test
Applicant Address	Headquarter: 10315A Metropolitan Drive Austin, Texas 78758, USA. Factory: The 2nd Industrial District Wang Shan, Wen Tang, Dong ChengDongGuan, Guang Dong Province, PRC			Sampling Place	—
Inspected Entity	—			Sampling	Applicant
Manufacturer	JMC Products			Sampling (Receiving) Date	2010-03-04
Sample Quantity	4pcs	Sampling Base	—	Date Tested	2010-03-11
Test Standards	IP55 of GB 4208-2008 <Degree of protection provided by enclosures(IP Code)>				
Conclusion of Test	<p>This report has test 2 items All these items conforms to IP55 of GB 4208-2008 standard and requirements</p> <p style="text-align: right;">Name of Testing Institutes(Seal) 11 Mar 2010</p>				
Remarks	The original one D10030036 has been replaced by this report.				

Approved by:

Checked by:

Tested by:



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Item	Unit/ Symbol	Standards & Requirements	Testing results	Comment & Evaluation
1. IP 5X	—	1.1 Degrees of protection against access to hazardous parts indicated by the first characteristic numeral: The first characteristic numeral: 5 a. The metal foil of 1.0mm diameter shall not enter into the inside of enclosure. b. The test force shall be $(1 \pm 10\%) N$. 2. There shall be enough gaps between the appliance and hazardous parts after test.	Up to standard	Qualified
	—	1.2 Test for protection against solid foreign objects indicated by the first characteristic numeral: The first characteristic numeral: 5 Test condition: a. size of talcum powder: $\leq 5\mu m$. b. amount of talcum powder: 2kg per stere; c. duration: 8h The protection is satisfactory if, on inspection, talcum powder has not accumulated in a quantity or location such that, as with any other kind of dust, it could interfere with the correct operation of the equipment or impair safety. Except for special cases to be clearly specified in the relevant product standard, no dust shall deposit where it could lead to tracking along the creepage distances.	Up to standard (CB has protected by a transparent insulating plastic, few talcum powder has entered, it didn't interfere with the correct operation of the equipment or impair safety refer to picture 4 and 5 of test against dust ingress)	Qualified
2. IPX5	—	Test for protection against ingress of water indicated by the second characteristic numeral: The second characteristic numeral: 5 The test is made by spraying the enclosure from all practicable directions with a stream of water from a standard test nozzle. 1. Test condition: a. internal diameter of the nozzle: 12.5mm; b. delivery rate: $12.5L/min \pm 5\%$ c. water pressure: to be adjusted to achieve the specified delivery rate; d. core of the substantial stream: circle of approximately 120mm diameter at 2.5m distance from nozzle; e. test duration per square metre of enclosure surface area likely to be sprayed: 1min; f. minimum test duration: 3min; g. distance from nozzle to enclosure surface: between 2.5m and 3m..	Up to standard (CB has protected by a transparent insulating plastic, few water has entered, but it didn't reach live parts, refer to picture 7 and 8 of test against water ingress)	Qualified



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Item	Unit/ Symbol	Standards & Requirements	Testing results	Comment & Evaluation
IP X5	—	2. It shall examine the amount of water ingress after test, if any water has entered, it shall not: — sufficient to interfere with the correct operation of the equipment or impair safety; — deposit on insulation parts where it could lead to tracking along the creepage distance; — reach live parts of windings not designed to operate when wet; — accumulate near the cable end or enter the cable if any — if the enclosure is provided with drain-holes, it should be proved by inspection that any water which enters dose not accumulate and that it drains away without doing any harm to the equipment. — for enclosure without drain-holes, the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts.	Up to standard (CB has protected by a transparent insulating plastic ,few water has entered ,but it didn't reach live parts, refer to picture 7 and 8 of test against water ingress)	Qualified

Main test equipments				
Equipment No.	Name	Style	Next calibration time	
DQM0322	Test probe	P10.17(Φ1.0mm)	2011-03-15	√
DQM0321	Test probe	P10.16(Φ2.5mm)	2011-03-15	
DQM0312	Test finger	P10.14S(Φ12.5mm)	2011-03-15	
DQM0318	Test probe	P10.09(Φ50mm)	2011-03-15	
DQN0103	Dust test chamber	KXT309	2010-05-07	√
DQM0285(1n)	Test equipment for protection against water ingress	IPX1~IPX6	2010-05-07	√
DQM0188	stopwatch	PC396	2011-03-04	√

Test environment	temperature: (18~23) °C, humidity: (51~56) %
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