

# Zhejiang Huafeng Electric Tools Co., Ltd.

## TEST REPORT

### SCOPE OF WORK:

EMC directive (2014/30/EU) – EMC report

### Model:

Refer to page3

### REPORT NUMBER

140802049SHA-001/Amendment3

### ISSUE DATE

September 05, 2024

### DOCUMENT CONTROL NUMBER

TTRFamend\_V1  
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Report no. 140802049SHA-001/Amendment3

**Applicant** : Zhejiang Huafeng Electric Tools Co., Ltd.  
No. 2111 Huafeng Road, JINDONG ECONOMIC DEVELOPMENT  
ZONE Zhejiang 321037, CHINA

**Manufacturer** : Same as applicant

**Manufacturing site** : Same as applicant

### Summary

The equipment complies with the requirements according to the following standard(s) or Specification:

- \* **EN IEC 55014-1:2021**: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus Part 1: Emission
- \* **EN IEC 55014-2:2021**: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus Part 2: Immunity – Product family standard
- \* **EN IEC 61000-3-2:2019+A1:2021**: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current  $\leq 16\text{A}$  per phase)
- \* **EN 61000-3-3:2013+A1:2019+A2:2021**: Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16\text{A}$  per phase and not subject to conditional connection

**PREPARED BY:**

**REVIEWED BY:**

WeiJun SONG  
Project Engineer



Andy Chen  
Reviewer

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<b>Product Description</b>	: Mitre Saw
<b>Type/Model(s)</b>	: J1G-ZP27-255, J1G-ZP27-255-1, J1G-ZP27-255-2, J1G-ZP27-255-3, J1G-ZP27-255A, J1G-ZP27-255A-1, J1G-ZP27-255A-2, J1G-ZP27-255A-3, J1G-ZP27A-255, J1G-ZP27A-255-1, J1G-ZP27A-255-2, J1G-ZP27A-255-3, J1G-ZP27A-255A, J1G-ZP27A-255A-1, J1G-ZP27A-255A-2, J1G-ZP27A-255A-3, J1G-ZP37-255, J1G-ZP37-255-1, J1G-ZP37-255-2, DC574, DC574-X, EDC574, EDC574-X (X=0-999), J1GZP37-255-3)
<b>Rating(s)</b>	: 220-240V~, 50Hz, n0: 5000/min, Ø255mm, Class II J1G-ZP27-255, J1G-ZP27-255-1, J1G-ZP27-255-2, J1G-ZP27-255-3, J1G-ZP27A-255, J1G-ZP27A-255-1, J1G-ZP27A-255-2, J1G-ZP27A-255-3, J1G-ZP37-255, J1G-ZP37-255-1, J1G-ZP37-255-2, DC574, DC574-X, EDC574, EDC574-X (X=0-999), J1G-ZP37-255-3: 1800W J1G-ZP27-255A, J1G-ZP27-255A-1, J1G-ZP27-255A-2, J1G-ZP27-255A-3, J1G-ZP27A-255A, J1G-ZP27A-255A-1, J1G-ZP27A-255A-2, J1G-ZP27A-255A-3: 2000W
<b>Brand name</b>	: -
<b>Base testing laboratory</b>	: Intertek Testing Services (Shanghai FTZ) Co., Ltd.
<p><b>Amendment 3:</b> The original test report ref. No. No. 140802049SHA-001 dated June 09, 2015, 140802056SHA-001+A1 dated January 15, 2018 and 140802056SHA-001+A1 dated March 25, 2019 issued by Intertek Testing Services (Shanghai FTZ) Co., Ltd, were modified on September 05, 2024 to include the following additions and/or changes:</p> <ol style="list-style-type: none"> <li>(1) “*” means the standard has been updated by the new standards listed in this report, and there is no difference on this kind of products between the new standard and the old one. No additional testing is required accordingly.</li> <li>(2) Added new models “J1G-ZP37-255, J1G-ZP37-255-1, J1G-ZP37-255-2, DC574, DC574-X, EDC574, EDC574-X (X=0-999), J1G-ZP37-255-3” in the report.</li> <li>(3) The address of applicant was changed to “No. 2111 Huafeng Road, JINDONG ECONOMIC DEVELOPMENT ZONE Zhejiang 321037, CHINA”.</li> </ol> <p>After technical evaluation, no test item was performed again. For further information see 140802049SHA-001+A1+A2. This amendment test report should be read in conjunction with the based test report.</p>	

Model Similarity:

J1G-ZP27-255A is identical with J1G-ZP27-255 except for marking rated input.

J1G-ZP27-255A-1 is identical with J1G-ZP27-255-1 except for marking rated input.

J1G-ZP27-255A-2 is identical with J1G-ZP27-255-2 except for marking rated input.

J1G-ZP27-255A-3 is identical with J1G-ZP27-255-3 except for marking rated input.

J1G-ZP27-255-1 is identical with J1G-ZP27-255 except J1G-ZP27-255-1 is equipped with laser system while J1G-ZP27-255 has not.

J1G-ZP27-255-2 is identical with J1G-ZP27-255 except J1G-ZP27-255-2 is equipped with soft starting device while J1G-ZP27-255 has not.

J1G-ZP27-255-3 is identical with J1G-ZP27-255 except J1G-ZP27-255-3 is equipped with laser system and soft starting device while J1G-ZP27-255 has not.

The model of ZP27A series is identical with the model of ZP27 series except that ZP27A series is equipped with movable left fence but ZP27 is equipped with fixed left fence.

**J1G-ZP37-255 is similar with J1G-ZP27-255 except for the appearance.**

**J1G-ZP37-255-2 is identical with J1G-ZP37-255 except J1G-ZP37-255-2 is equipped with laser system while J1G-ZP37-255 has not.**

**J1G-ZP37-255-1 is identical with J1G-ZP37-255 except J1G-ZP37-255-1 is equipped with soft starting device while J1G-ZP37-255 has not.**

**J1G-ZP37-255-3 is identical with J1G-ZP37-255 except J1G-ZP37-255-3 is equipped with laser system and soft starting device while J1G-ZP37-255 has not.**

**DC574, DC574-X, EDC574, EDC574-X (X=0-999) are identical with J1G-ZP37-255-2 except for the model name.**

### Revision History

Report No.	Version	Description	Issued Date
140802049SHA-001/Amendment3	Rev. 01	Initial issue of report	September 05, 2024

## Measurement result summary

TEST ITEM	TEST RESULT	NOTE
Mains terminal continuous disturbance voltage	Pass	
Mains terminal discontinuous disturbance voltage/click	NA	
Continuous disturbance power	Pass	
Radiated Emission <sup>(1)</sup>	Pass	
Harmonics	Pass	
Voltage fluctuation-Flicker	Pass	
Electrostatic Discharge (ESD)	NA	
RF electromagnetic field susceptibility	NA	
Electric Fast Transient /Burst (EFT/B)	NA	
Surge	NA	
Injected Current	NA	
Voltage dips and interruption	NA	

### Notes:

1. The item(s) in "bold & italic" means the additional tests has been performed, and test result will be listed in the ANNEX of this amendment report.
2. NA=Not Applicable.
3. Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.
4. Additions, Deviations and Exclusions from Standards: None.

<sup>(1)</sup> As for in the disturbance power test all emission readings from the EUT are lower than the applicable limits (Table 7) reduced by the margin (Table 8) and the maximum clock frequency is less than 30MHz, the EUT is deemed to comply with the Radiated Emission requirement without test.

\*\*\*END of the report\*\*\*