

**TEST REPORT****EN ISO 3744**

Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane

Report Number..... : LTR20260909001

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Address 101 building A, No.4 Changrong Street, Tongxin Community, Baolong Street, Longgang District, Shenzhen, China

Applicant's name HENAN FANGDA INDUSTRIAL CORPORATION.,LTD.

Address Room 40, Floor 4-5, Unit 2, Building 1, No.82, Huanghe Road, Jinshui District, Zhengzhou, Itenan, China

Test specification:

Standard EN ISO 3744:2010

Test procedure..... : Test report

Non-standard test method..... : N/A

Test Report Form No..... : EN ISO 3744

Test Report Form(s) Originator.... : Lintek-Lab

Master TRF Dated 2023-02-04

Test item description Mobile crusher

Trade Mark(s) UPSEN

Manufacturer HENAN FANGDA INDUSTRIAL CORPORATION.,LTD.

Address Room 40, Floor 4-5, Unit 2, Building 1, No.82, Huanghe Road, Jinshui District, Zhengzhou, Itenan, China





Model/Type reference..... :	U-JC425,U-JC503E,U-JC503,U-JC604,U-JC704,U-JC805,U-JC906,U-JC906E,U-JC106,U-JC116,U-JC125,U-TC503,U-TC604,U-TC704,U-TC805,U-MS250,U-MS750,U-MS950,U-MS950E,U-FS250,U-FS750,U-SS2000,U-SS3000,U-SS4000,U-YK221,U-YK1235,U-YK1545,U-YK1860,U-YK2160,U-ZS1230,U-ZS1440,U-ZS1545,U-ZS1860,U-TS30,U-TS50,U-TS1850,U-TS2255,U-TD35,U-TD65,U-TD40S,U-TD65S,U-IC70,U-PF1008,U-PF1010,U-PF1214,U-PF1315,U-HP200,U-GP200,U-HP300,U-GP300,U-HP500,U-GP500
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List of Attachments (including a total number of pages in each attachment):

Appendix 1: EUT PHOTOS

Summary of testing:

The product covered by this report has been tested and complies with the applicable requirements of this standard.

Tests performed (name of test and test clause):

EN ISO 3744:2010

Testing location:

Guangdong Lintek Certification Group Co., Ltd.
101 building A, No.4 Changrong Street, Tongxin
Community, Baolong Street, Longgang District,
Shenzhen, China

Statement concerning the uncertainty of the measurement systems used for the tests

☐ Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

Procedure number, issue date and title:

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.

☒ Statement not required by the standard used for type testing

Possible test case verdicts:

- test case does not apply to the test object.....: N/A
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement.....: F (Fail)

Testing:

Date of receipt of test item: 2026-09-03

Date (s) of performance of tests: 2026-09-03 to 2026-09-09

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

The related applicable CTL decisions have been considered and the requirements found fulfilled.

General disclaimer:

The test results presented in this report relate only to the object tested.

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Unless otherwise stated: (a) the results shown in this document refer only to the sample(s) tested and (b) such sample(s) are retained for 3 months.

Manufacturer's Declaration per sub-clause 4.2.5 of IECCE 02:

The application for obtaining a Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided

☐ **Yes**

☒ **Not applicable**

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies) : HENAN FANGDA INDUSTRIAL CORPORATION.,LTD.
Room 40, Floor 4-5, Unit 2, Building 1, No.82, Huanghe Road, Jinshui District, Zhengzhou, ltenan, China

General product information and other remarks:

The product is a Mobile crusher.

All models are the same except model name and color, The model U-JC425 was selected to be tested.

EN ISO 3744			
Clause	Requirement + Test	Result - Remark	Verdict
4	Test environment		P
4.1	General		P
4.2	Criteria for background noise		P
4.2.1	Relative criteria		P
4.2.1.1	General		P
4.2.1.2	Frequency band measurements		P
4.2.1.3	A-weighted measurements		P
4.2.2	Absolute criteria		P
4.2.3	Statement of non-conformity with criteria		N/A
4.3	Criterion for acoustic adequacy of test environment		P
4.3.1	General		P
4.3.2	Criterion for environmental correction		P
5	Instrumentation		P
5.1	General		P
5.2	Calibration		P
6	Definition, location, installation, and operation of noise source under test		P
6.1	General		P
6.2	Auxiliary equipment		P
6.3	Noise source location		P
6.4	Mounting of the noise source		P
6.4.1	General		P
6.4.2	Hand-held machinery and equipment		N/A
6.4.3	Base-mounted, wall-mounted, and tabletop machinery and equipment		P
6.5	Installation and mounting conditions for moving noise sources		P
6.6	Operation of source during test		P
7	Reference box and measurement surface		P
7.1	Reference box		P
7.2	Measurement surface		P
7.2.1	General		P
7.2.2	Microphone orientation		P
7.2.3	Hemispherical measurement surface		P
7.2.4	Parallelepiped measurement surface		P
7.2.5	Cylindrical measurement surface		P
7.2.6	Combination measurement surface		P

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Clause	Requirement + Test	Result - Remark	Verdict
8	Determination of sound power levels and sound energy levels		P
8.1	Microphone positions on the measurement surface		P
8.1.1	Hemispherical measurement surface		P
8.1.2	Parallelepiped measurement surface		P
8.1.3	Cylindrical measurement surface		P
8.1.4	Combination measurement surface		P
8.2	Determination of sound power levels		P
8.2.1	Measurement of sound pressure levels		P
8.2.2	Calculation of mean time-averaged sound pressure levels		P
8.2.2.1	Measurement surface with microphone positions or traverses uniformly distributed		P
8.2.2.2	Measurement surface with segments having unequal areas		P
8.2.3	Corrections for background noise		P
8.2.4	Calculation of surface time-averaged sound pressure levels		P
8.2.5	Calculation of sound power levels		P
8.3	Determination of sound energy levels		P
8.3.1	Measurement of single event time-integrated sound pressure levels		P
8.3.2	Calculation of mean single event time-integrated sound pressure levels at each microphone position		P
8.3.3	Calculation of mean single event time-integrated sound pressure levels over the measurement surface		P
8.3.4	Correction for background noise		P
8.3.5	Calculation of surface single event time-integrated sound pressure levels		P
8.3.6	Calculation of sound energy levels		P
8.4	Calculation of apparent directivity indices		P
8.5	Calculation of apparent surface sound pressure level non-uniformity index		P
8.6	A-weighted sound power level and sound energy level		P
9	Measurement uncertainty		P
9.1	Methodology		P
9.2	Determination of σ_{omc}		P
9.3	Determination of σ_{R0}		P
9.3.1	General		P

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Clause	Requirement + Test	Result - Remark	Verdict
9.3.2	Round robin test		P
9.3.3	Modelling approach for σR_0		P
9.4	Typical upper bound values of σR_0		P
9.5	Total standard deviation σ_{tot} and expanded measurement uncertainty U		P
10	Information to be recorded		P
10.1	General		P
10.2	Noise source under test		P
	The following information shall be recorded:		P
	a) a description of the noise source under test (including the manufacturer, type, technical data, dimensions, serial number and year of manufacture);		P
	b) a description of any treatment of auxiliary equipment for the purpose of the test;		P
	c) the mode(s) of operation used for the test(s) and the relevant measurement time interval(s);		P
	d) the mounting conditions;		P
	e) the location(s) of the noise source in the test environment.		P
10.3	Test environment		P
	The following information shall be recorded:		P
	a) a description of the test environment:		P
	b) a description of the acoustical qualification of the test environment in accordance with Annex A;		P
	c) the air temperature, in degrees Celsius, and the static pressure, in kilopascals, near the noise source at the time of test.		P
10.4	Instrumentation		P
	The following information shall be recorded:		P
	a) the equipment used for the measurements, including the name, type, serial number and manufacturer;		P
	b) the date, place, and methods used to calibrate the sound calibrator and to verify the calibration of the instrumentation system and, if used, to calibrate the reference sound source, in accordance with 5.2;		P
	c) the characteristics of the microphone windscreen, if any.		P
	c) all measured sound pressure levels, whether time-averaged, $L_{p,T}$, or single event, L_E , in the test environment from the noise source under test;		P
	d) the correction(s), K_1 , in decibels, to account for background noise;		P

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Clause	Requirement + Test	Result - Remark	Verdict
	e) the correction(s), K_2 , in decibels, to account for the test environment, and the method from Annex A used to determine it (them);		P
	f) the surface time-averaged sound pressure levels, p_L , or surface single event time-integrated sound pressure levels, L_E , in decibels;		P
	g) the sound power levels, L_W or L_{WA} , or sound energy levels, L_E or L_{EA} , in decibels, in frequency bands or A-weighted, as appropriate, rounded to the nearest 0,1 dB; a graphical representation may optionally be recorded in addition;		P
	h) the expanded measurement uncertainty of the results, in decibels, together with the associated coverage factor and coverage probability;		P
	i) if required, the maximum apparent directivity index, l_{D*} and the direction in which it applies;		P
	j) if required, the apparent surface sound pressure level non-uniformity index at the applicable measurement radius, l_{rV*} or measurement distance l_{dV*} ;		P
	k) the date and time when the measurements were performed.		P
10.5	Acoustical data		P
	The following information shall be recorded:		P
	a) the dimensions of the reference box, l_1 , l_2 , and l_3 , the shape of the measurement surface and the measurement radius, r , or distance, d ;		P
	b) the microphone positions or path(s) used for the measurements (with a sketch if necessary) including any regions where the positions are associated with unequal areas of the measurement surface;		P
	c) all measured sound pressure levels, whether time-averaged, $L_{p,T}$, or single event, L_E , in the test environment from the noise source under test;		P
	d) the correction(s), K_1 , in decibels, to account for background noise;		P
	e) the correction(s), K_2 , in decibels, to account for the test environment, and the method from Annex A used to determine it (them);		P
	f) the surface time-averaged sound pressure levels, p_L , or surface single event time-integrated sound pressure levels, L_E , in decibels;		P

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Clause	Requirement + Test	Result - Remark	Verdict
	g) the sound power levels, L_W or L_{WA} , or sound energy levels, L_E or L_{EA} , in decibels, in frequency bands or A-weighted, as appropriate, rounded to the nearest 0,1 dB; a graphical representation may optionally be recorded in addition;		P
	h) the expanded measurement uncertainty of the results, in decibels, together with the associated coverage factor and coverage probability;		P
	i) if required, the maximum apparent directivity index, L_{D*} and the direction in which it applies;		P
	j) if required, the apparent surface sound pressure level non-uniformity index at the applicable measurement radius, L_{rV*} or measurement distance L_{dV*} ;		P
	k) the date and time when the measurements were performed.		P
Annex A	Qualification procedures for the acoustic environment		P
A.1	General		P
A.2	Absolute comparison test		P
A.2.1	General		P
A.2.2	Locations of reference sound source in test environment		P
A.3	Determination of the environmental correction based on room absorption		P
A.3.1	General		P
A.3.2	Reverberation method		P
A.3.3	Two-surface method		P
A.3.4	Determination of the equivalent absorption area A with a reference sound source (direct method)		P
A.3.5	Approximate method for measurements made with A-weighting		P
Annex B	Microphone arrays on a hemispherical measurement surface		P
B.1	Microphone positions and additional microphone positions		P
B.2	Microphone positions for sources adjacent to two reflecting planes		P
B.3	Microphone positions for sources adjacent to three reflecting planes		P
Annex C	Microphone arrays on a parallelepiped measurement surface		P

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Clause	Requirement + Test	Result - Remark	Verdict
C.1	Microphone positions for sources mounted on one reflecting plane		P
Annex D	Microphone arrays on a cylindrical measurement surface		P
Annex E	Calculation of A-weighted sound power levels and A-weighted sound energy levels from frequency band levels		P
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E.2	A-weighted sound energy levels		P
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Annex F	Alternative microphone array on a hemispherical measurement surface for direct measurements of A-weighted sound pressure levels		P
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Annex G	Sound power level and sound energy level under reference meteorological conditions		P
Annex H	Guidelines on the development of information on measurement uncertainty		P
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H.2	Considerations on the total standard deviation σ_{tot}		P
H.3	Considerations on σ_{omc}		P
H.4	Considerations on σ_{R0}		P
H.4.1	General		P
H.4.2	Contributions to the uncertainty σ_{R0}		P
H.4.2.1	General		P
H.4.2.2	Measurement method		P
H.4.2.3	Sound pressure measurement repeatability		P
H.4.2.4	Measurement distance		P
H.4.2.5	Background noise correction		P
H.4.2.6	Environmental reflections		P
H.4.2.7	Meteorological and radiation impedance corrections		P
H.4.2.8	Sound level meter		P
H.4.2.9	Sampling		P
H.4.2.10	Angle		P
H.4.2.11	Temperature		P
H.4.2.12	Humidity		P
H.4.2.13	Typical value for σ_{R0}		P
H.5	Combined standard uncertainty		P

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Clause	Requirement + Test	Result - Remark	Verdict
H.6	Measurement uncertainty based on reproducibility data		P

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Clause	Requirement + Test	Result - Remark	Verdict

CONCLUSIONS

The sound power level of the mobile waste container is: LWA= 91dB(A)

Appendix 1: Photo document

Photo 1

Description: Overall view



--- End of Report ---