EMF TEST REPORT

Report Ref. No.: **UK210101070R**

Name of Product: Heat/Energy Recovery Ventilator

Model: EHR-S 1000

Testing Institute: Guangdong U.K Standard Testing Co., Ltd.



NOTICE

- 1. The report is invalid without the "Test report specialized stamp" or "the common seal of the testing institute" stamped.
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- 3. The report is invalid without the signature or stamp of the chief tester, verifier and ratifier.
- 4. The report is invalid if altered.
- 5. The result of the testing is only for the tested sample.
- 6. Different opinions about the report should be informed to the testing institute within 15 days from the date on which the report is received.

COMPANY NAME: U.K Standard Testing Co., LTD

Building E, Nanpu Technology Innovation Center, Banshi

LABORATORY: Village, Changping Town, Dongguan City, Guangdong

Province.

POST CODE: 523573

TEL: 4008559559

E-MAIL: ukservice@163.com

Report ref. No.: UK210101070R

EMF TEST REPORT

Name of product:	Heat/Energy Recovery Ventilator	Applicant:	ENING d.o.o.
Model:	EHR-S 1000	Address:	Straševina bb, P.fah 112, 81400 Nikšić, Montenegro.
Quantity:	Two sets	Manufacturer:	ENING d.o.o.
Sample source:	Sample is provided by applicant according to test requirements.	Address:	Straševina bb, P.fah 112, 81400 Nikšić, Montenegro.

Test result:

PASS

Introduction of other products which fall into the range requested by applicant and related information:

Name of product: Heat/Energy Recovery Ventilator

Unit model: EHR-S 1000

Covering range which applied by applicant: EHR-S 250, EHR-S 500, EHR-M 2000, EHR-M 3000

Approved on: Feb. 04, 2021 By: Ivy Zhang

Signature:

Remarks: 1. The test results presented in this report relate only to the item(s) tested.

2. The test report is converted from the original report UK171201111, except that the manufacturer and models are different, others are the same.

Report ref. No.: UK210101070R

Composition of the Report

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Test case verdicts

Test case does not apply to the test object: **N(A)**Test item does meet the requirement : **P(ass)**Test item does not meet the requirement : **F(ail)**

EC Type Approval Test Report

11	All WL	1	VL TVL TV
Name of product:	Heat/Energy Recovery Ventilator	Applicant:	ENING d.o.o.
Model:	EHR-S 1000	Address:	Straševina bb, P.fah 112, 81400 Nikšić,
UKE	UK	UK	Montenegro.
Quantity:	Two Set	Manufacturer:	ENING d.o.o.
Production No.:	N/A	Address:	Straševina bb, P.fah 112, 81400 Nikšić,
UK	UK	UK	Montenegro.

Standards for test:

EN 62233: 2008 Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure

Test result:

PASS

Tested On Dec. 04~25, 2017 By James Tang

Signature:

famestors

Verified On Feb. 04, 2021 By Eddie Ma

Signature:

Cerron

U.K Standard Testing Co., Ltd.

Remarks: 1. The test results presented in this report relate only to the item(s) tested.

2. The test report is converted from the original report UK171201111, except that the manufacturer and models are different, others are the same.

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EMF TEST REPORT

EN62233: 2008

Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure

Report

Report Reference No.: UK210101070R

Tested by

(printed name and

signature)...... James Tang

Approved by

(printed name and

signature)..... Eddie Ma

Date(s) of performance of test...........: Dec. 04 to Dec. 25, 2017

Date of issue...... Feb. 04, 2021

Total

Pages...... 6 Pages

Testing Laboratory

Name U.K Standard Testing Co., Limited

Building E, Nanpu Technology Innovation Center, Banshi Village,

Address Changping Town, Dongguan City, Guangdong Province.

Test location...... Same as above

Test Specification

Standard.....: EN62233: 2008

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

Test Item

Description.....: Heat/Energy Recovery Ventilator

Trademark: NA

Model and/or type reference.....: EHR-S 1000

Manufacturer: ENING d.o.o.

Address...... Straševina bb, P.fah 112, 81400 Nikšić, Montenegro.

Test Case Verdicts

Test item does meet the requirement...... P(ass)

Test item does not meet the requirement F(ail)

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ENGINEER Page 3 of 6	W	TIK TIK	11K 11K	
Clause Requirement – Test Result - Remark Verdic 4 Measuring methods 4.1 Electric fields In general, there is no need to evaluate electric fields around household appliances. For most appliances, the electric field strength can be deemed to comply with the reference levels with hour testing. If electric fields are found to be relevant, a test method will be established. 4.2 Magnetic fields The frequency range considered is from 10 Hz to 400 kHz. The frequency range evaluated shall cover all frequencies of magnetic fields produced by an appliance, including a sufficient number of harmonics. If this is not freasible in one measurement, the weighted results of each measured frequency range shall be added. 4.2.1 The measuring distances, sensor locations and operating conditions are specified in Annex A. 4.2.2 Measurement values of magnetic flux density are averaged over an area of 100 cm² in each direction. The reference sensor consists of three mutually perpendicular concentric coils with a measuring area of 100 cm² ± 5 cm² to provide isotropic sensitivity. The outside diameter of the reference sensor is not to exceed 13 cm. For the determination of coupling factors, as a pecified in Annex C, an isotropic sensor having a measuring area of 3 cm² ± 0,3 cm² is used. 4.2.4 Appliances have at least one independent magnetic field source, each of which generates a fundamental frequency and possibly harmonics. The magnetic flux density is measured using the procedure in 4.2.4.1. For appliances producing magnetic fields at mains frequency and its harmonics only. The magnetic flux density is measured using the procedure in 4.2.4.1 and applied procedure in 4.2.4.2 may be applied instead. The simplified procedure in 4.2.4.2 may be used for appliances producing magnetic fields at mains frequency and its harmonics only. Transient magnetic fields with a duration of less then 200 ms. e.g. during switching events, are disregarded. Transient magnetic fields with a duration of less then 200 ms. e.g. during switching e	Report No.:	UK210101070R	Page 3	3 of 6
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Clause	11/2 11/2	Devilt Demont	Vordiat
Clause	Requirement – Test reach 90 % of the final value is not to exceed 2 s.	Result - Remark	Verdict
- 1	1 lb	UR	
K	The magnetic flux density is determined by using an averaging time of 1 s.	lk rike	P
4.2.4.1	Time domain evaluation	See attached table	P
K UK	Independent of the type of signal, a time domain measurement of the value of the magnetic flux density can be carried out. For fields having several frequencies, the frequency characteristic of the transfer function takes into account the frequency dependency of the reference levels.	K TIK TIKE TI	P
UK	The transfer function is to be established using a first order filter and shall have the characteristics shown in Figure 1.	Transfer function of tester accord with figure 1 of the standard.	P
TIK	 separate measurement of each coil signal weighting of the signal by the transfer function; squaring the signals; 	TIK TIK TIK	C P
TIK	 adding the squared signals; averaging the s um of the squared signals; obtaining the square root of the average 	TIK TIK TIK	
UK	The result is the r.m.s. value of the magnetic flux density.	r.m.s. value	- P
UK	The measured value shall not exceed the reference level of the magnetic flux density at 50 Hz. However, if this level is exceeded, the value is recalculated taking into account the coupling factor	Coupling factor 0.15	PIN
4.2.4.2	Line spectrum evaluation	See 4.2.4.1	N
TIKE	This method may be used when there are only line spectra, for example magnetic fields having a fundamental frequency of 50 Hz and some harmonics.	The The	N
UK	The magnetic flux density is measured at each relevant frequency. This can be achieved by recording the time signal of the flux density and using a Fourier transformation for evaluating the spectral components.	TIKE TIKE	N UK
THE	The following sequence is used for the measurements:	11kg 11kg	N
TVK [separate measurement of each coil signal; Fourier transformation for each coil signal to obtain the estimated spectrum; 	THE LIKE	UKE
11	 vector addition of all three spectra for each discrete frequency. 	UK I	IK
4.2.3	Simplified test methods	See 4.2.4.1	N
IK U	Appliances that are constructed so that they can only produce magnetic fields at mains frequency and its harmonics need only be tested in the frequency range below 2 kHz.	IK TIK TIK I	IKN
K UK	Appliances are considered to meet the requirements of this standard when all the following conditions are fulfilled: - the currents, including the harmonic currents generating the magnetic fields are known;	K TK TK	

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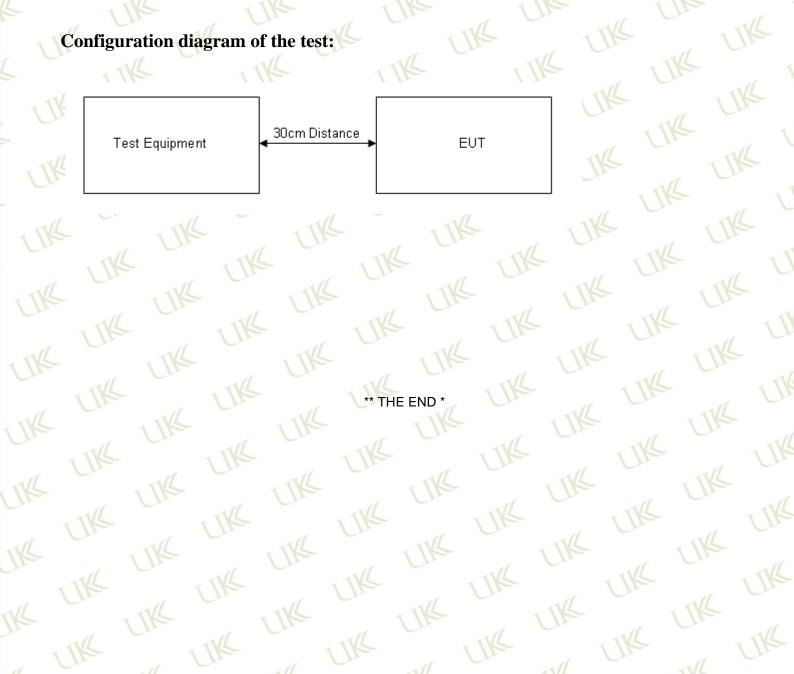
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	The City	EN62233: 200	8	all G
Clause	Requirement – Test	The	Result - Remark	Verdi
IK U	10 % of the amplitude	with amplitudes higher the of the mains frequency yover the frequency rang	-11	IK TIKE
M M		sity measured at mains 50 % of the reference le s frequency;	vel	THE LIKE
k rik	broadband measurem range, with the mains	sity measured during a nent over the frequency frequency suppressed, i reference level specified		IK TK
E THE	Appliances that are construction produce very weak magner frequency is dominating, a requirements of this stand conditions are fulfilled:	etic fields, when the main are considered to meet th	ie 1	ike The
	- the currents, including generating the magne	the harmonic currents, tic fields are known;	UK U	
UK	10 % of the amplitude	with amplitudes higher the of the mains frequency yover the frequency rang		E UKE
UKK		sity measured over the was than 30% of the refere mains frequency.		UK
4.3	Measurement uncertainty	The I	Certificated Equipme	nt P
4.3.1	Inaccuracies of measurementhe calculated values of measurementh weighted result. The total not exceed 25 %	agnetic flux density and	the	The Th
4.3.2	When the result has to be measurement uncertainty follows:			CIKE LIK
TIKE	- to establish whether an a fields below the limit, the r to be added to the result a compared with the limit;	neasurement uncertainty	thas UK UK	TIKE TIKE
TKR I	- to establish whether an a over the limit, the measure subtracted from the result compared with the limit	ement uncertainty has to	be	OK OK



TIK G	UK	UK	UK		IK	UK
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4.2.4.1 TA	BLE: Test Results	11/6	11/4	- 11	P	TIKE
Test Position	Front	Rear	Right	Left	Тор	NL
Test Data	0.00511	0.00509	0.00483	0.00521	0.00508	Che
Limit of this standard	TKL1 UN	11/6	1116	1 118	1	IN
LIKE	UK		IK	UK	UK	
Configuratio	n diagram of th	e test:	UK	UK		
TIKE	1118	- 11		TIKE	UK	
V				TK		

UK Configuration diagram of the test:



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