


Prüfbericht-Nr.: <i>Test report no.:</i>	CN25NKMN 001	Auftrags-Nr.: <i>Order no.:</i>	326091372	Seite 1 von 25 Page 1 of 25
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	2021661	Auftragsdatum: <i>Order date:</i>	2025-01-14	
Auftraggeber: <i>Client:</i>	NINGBO CITY GENGXIN APPLIANCE INDUSTRY CO., LTD. Xinpu Town, Cixi, 315322 Zhejiang P.R. China			
Prüfgegenstand: <i>Test item:</i>	Fireplace Heater			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	See page 3			
Auftrags-Inhalt: <i>Order content:</i>	ERP test			
Prüfgrundlage: <i>Test specification:</i>	Annex II.1, 2, 3 & Annex III of Commission Regulation (EU) 2024/1103 implementing Directive 2009/125/EC of the European Parliament and of the Council as regards ecodesign requirements for local space heaters and separate related controls and repealing Commission Regulation (EU) 2015/1188			
Wareneingangsdatum: <i>Date of sample receipt:</i>				
Prüfmuster-Nr.: <i>Test sample no.:</i>				
Prüfzeitraum: <i>Testing period:</i>				
Ort der Prüfung: <i>Place of testing:</i>				
Prüflaboratorium: <i>Testing laboratory:</i>				
Prüfergebnis*: <i>Test result*:</i>				
geprüft von: <i>tested by:</i>	genehmigt von: <i>authorized by:</i>			
Datum: <i>Date:</i>	Ausstellungsdatum: <i>Issue date:</i>			
Stellung / <i>Position:</i>	Stellung / Position:			
Sonstiges / None <i>Other:</i>				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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Prüfbericht-Nr.:

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Remarks Anmerkungen

1	<p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</p> <p>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system.</i></p> <p><i>Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>
2	<p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: go.tuv.com/digital-signature</p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: go.tuv.com/digital-signature</i></p>
3	<p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.</p> <p>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i></p> <p><i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>
4	<p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p>

TEST REPORT Annex II.1, 2, 3 & Annex III of Commission Regulation (EU) 2024/1103 implementing Directive 2009/125/EC of the European Parliament and of the Council as regards ecodesign requirements for local space heaters and separate related controls and repealing Commission Regulation (EU) 2015/1188	
Test item description	Fireplace Heater
Trade Mark	N/A
Model/Type reference	EFxSLB-E, EFxSL-E, EFzL-E, EFxK-E, EFxSPB-E, EFxSP-E, EFxKB-E (x=420, 421, 422, 423, 425, 430, 431; z=490, 491, 492, 493, 494); EFySLB-E, EFySL-E, EFyK-E, EFyKB-E, EFySPB-E, EFySP-E (y=450, 451, 452, 453, 455, 456); EF620SL-E; EF620SLB-E; EF620K-E; EF620KB-E; EF655SL-E; EF655SLB-E; EF655K-E; EF655KB-E(LVD) DEI18A, DEI18A-T, DER36A, DER36A-F, DER36A-T, DER36A- FT, DER40A-FP, DER50A-FP, DER60A-FP, EF520P-E(GS), EF520PB-E(GS), EF520K-E(GS), EF520KB- E(GS), EF560P-E(GS), EF560PB-E(GS), EF560K-E(GS), EF560KB-E(GS), EF561P-E(GS), EF561PB-E(GS), EF561K- E(GS), EF561KB-E(GS), DER40A, DER40A-F, DER40A-T, DER40A-FT, DER50A, DER50A-F, DER50A-T, DER50A-FT, DER60A, DER60A-F, DER60A-T, DER60A-FT EF136N, EF136NC, EF136NR, EF136T, EF136TC, EF136TR, EF136FNC, EF136FNR, EF136FTC, EF136FTR, EF140N, EF140NC, EF140NR, EF140T, EF140TC, EF140TR, EF140FNC, EF140FNR, EF140FTC, EF140FTR, EF150N, EF150NC, EF150NR, EF150T, EF150TC, EF150TR, EF150FNC, EF150FNR, EF150FTC, EF150FTR, EF160N, EF160NC, EF160NR, EF160T, EF160TC, EF160TR, EF160FNC, EF160FNR, EF160FTC, EF160FTR, EFx; EFxB; EFxK; EFxKB (x=820/821/830/831/850/851/853/855) DEI23A, DEI23A-T, DEI26A, DEI26A-T, DEI30A, DEI30A-T, DEI36A, DEI36A-T, DEI42A, DEI42A-T, DEI50A, DEI50A-T, DEI23A-BM, DEI30A-BM, DEI36A-BM, DEI42A-BM, DEI50A BM, ND-185, EF342A-E, EF342B-E, EF342R, NDY-19G, NDY-19G2, EF461LB-E, NDY-19CR-E, NDY-19ER-E, NDY-19FR-E, NDY-19CRI-E, NDY- 19ERI-E, NDY-19FRI-E, NDY-19CRB, NDY-19ERB, NDY- 19CRBI, NDY-19ERBI, NDY-19CBM, NDY-19FBM, NDY- 19DR(GS), NDY-16R
Rated Voltage/Frequency	220-240V~, 50Hz

Testing

Date of receipt of test item See cover page

Date (s) of performance of tests See cover page

Testing Laboratory: TÜV Rheinland (Shanghai) Co., Ltd.

Testing location/ address: No.177, 178, Lane 777 West Guangzhong Road,
Jing'an District, Shanghai, China.
Workshop 16, Pingqian (Taicang) Modern Industrial Park, No.525,
Yuewang Lingang South Road, Shaxi Town, Taicang City, Jiangsu
Province, China.

General remarks:

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

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

"(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.

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Reference of transitional methods:

- EN 60675:1995+A11:2019

- EN 50564:2011

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)

General product information/photos:

All models are fixed fireplace heaters for household use only.

They are shared the similar control circuit, and the differences were listed as below.

Model type	Ratings	Specification
EFxSLB-E, EFxSL-E, EFzL-E, EFxK-E, EFxSPB-E, EFxSP-E, EFxKB-E (x=420, 421, 422, 423, 425, 430, 431; z=490, 491, 492, 493, 494); EF620SL-E, EF620SLB-E, EF620K-E, EF620KB-E; DER40A, DER40A-F, DER40A-T, DER40A-FT, DER50A, DER50A-F, DER50A-T, DER50A-FT, DER60A, DER60A-F, DER60A-T, DER60A-FT; EF136N, EF136NC, EF136NR, EF136T, EF136TC, EF136TR, EF136FNC, EF136FNR, EF136FTC, EF136FTR, EF140N, EF140NC, EF140NR, EF140T, EF140TC, EF140TR, EF140FNC, EF140FNR, EF140FTC, EF140FTR, EF150N, EF150NC, EF150NR, EF150T, EF150TC, EF150TR, EF150FNC, EF150FNR, EF150FTC, EF150FTR, EF160N, EF160NC, EF160NR, EF160T, EF160TC, EF160TR, EF160FNC, EF160FNR, EF160FTC, EF160FTR; EFx, EFxB, EFxK, EFxKB (x=820/821/830/831/850/851/853/855); DEI23A, DEI23A-T, DEI26A, DEI26A-T, DEI30A, DEI30A-T, DEI36A, DEI36A-T, DEI42A, DEI42A-T, DEI50A, DEI50A-T, DEI23A-BM, DEI30A-BM, DEI36A-BM, DEI42A-BM, DEI50A BM; ND-185, EF342A-E, EF342B-E, EF342R, NDY-19G, NDY-19G2, EF461LB-E	220-240V, 50Hz, 2000W	Fixed appliance. With electronic room temperature control plus week timer. With adaptive start control. Infrared controller. With a mechanical power switch.
EFySLB-E, EFySL-E, EFyK-E, EFyKB-E, EFySPB-E, EFySP-E (y=450, 451, 452, 453, 455, 456); EF655SL-E, EF655SLB-E, EF655K-E, EF655KB-E(LVD); EF520P-E(GS), EF520PB-E(GS), EF520K-E(GS), EF520KB-E(GS), EF560P-E(GS), EF560PB-E(GS), EF560K-E(GS), EF560KB-E(GS), EF561P-E(GS), EF561PB-E(GS), EF561K-E(GS), EF561KB-E(GS)	220-240V, 50Hz, 1800W	
DEI18A, DEI18A-T, DER36A, DER36A-F, DER36A-T, DER36A-FT, DER40A-FP, DER50A-FP, DER60A-FP	220-240V, 50Hz, 1500W	
NDY-19CR-E, NDY-19ER-E, NDY-19FR-E, NDY-19CRI-E, NDY-19ERI-E, NDY-19FRI-E, NDY-19CRB, NDY-19ERB, NDY-19CRBI, NDY-19ERBI, NDY-19CBM, NDY-19FBM, NDY-19DR(GS)	220-240V, 50Hz, 1800-2000W	
NDY-16R	220-240V, 50Hz, 1600-1800W	

Contact details		NINGBO CITY GENGXIN APPLIANCE INDUSTRY CO., LTD. Xinpu Town, Cixi, 315322 Zhejiang P.R. China	
<p>Model identifier(s): EFxSLB-E, EFxSL-E, EFzL-E, EFxK-E, EFxSPB-E, EFxSP-E, EFxKB-E (x=420, 421, 422, 423, 425, 430, 431; z=490, 491, 492, 493, 494); EF620SL-E, EF620SLB-E, EF620K-E, EF620KB-E; DER40A, DER40A-F, DER40A-T, DER40A-FT, DER50A, DER50A-F, DER50A-T, DER50A-FT, DER60A, DER60A-F, DER60A-T, DER60A-FT; EF136N, EF136NC, EF136NR, EF136T, EF136TC, EF136TR, EF136FNC, EF136FNR, EF136FTC, EF136FTR, EF140N, EF140NC, EF140NR, EF140T, EF140TC, EF140TR, EF140FNC, EF140FNR, EF140FTC, EF140FTR, EF150N, EF150NC, EF150NR, EF150T, EF150TC, EF150TR, EF150FNC, EF150FNR, EF150FTC, EF150FTR, EF160N, EF160NC, EF160NR, EF160T, EF160TC, EF160TR, EF160FNC, EF160FNR, EF160FTC, EF160FTR; EFx, EFxB, EFxK, EFxKB (x=820/821/830/831/850/851/853/855);</p> <p>DEI23A, DEI23A-T, DEI26A, DEI26A-T, DEI30A, DEI30A-T, DEI36A, DEI36A-T, DEI42A, DEI42A-T, DEI50A, DEI50A-T, DEI23A-BM, DEI30A-BM, DEI36A-BM, DEI42A-BM, DEI50A BM; ND-185, EF342A-E, EF342B-E, EF342R, NDY-19G, NDY-19G2, EF461LB-E</p>			
Item	Symbol	Value	Unit
Heat output			
Nominal heat output	P_{nom}	2,000	kW
Minimum heat output (indicative)	P_{min}	1,000	kW
Maximum continuous heat output	$P_{max,c}$	2,000	kW
Power consumption			
In off mode	P_o	0,00	W
In standby mode	P_{sm}	0,43	W
In idle mode	P_{idle}	N.A.	W
In network standby	P_{nsm}	N.A.	W
Standby mode with display of information or status			[no]
Seasonal space heating energy efficiency in active mode	$\eta_{S,on}$	92,0	%
Type of heat output / room temperature control (select one)			
single stage heat output and no room temperature control			[no]
two or more manual stages, no room temperature control			[no]
with mechanic thermostat room temperature control			[no]
with electronic room temperature control			[no]
electronic room temperature control plus day timer			[no]
electronic room temperature control plus week timer			[yes]
Other control options (multiple selections possible)			
room temperature control, with presence detection			[no]
room temperature control, with open window detection			[no]
distance control option			[no]
adaptive start control			[yes]
working time limitation			[no]
black bulb sensor			[no]
self-learning functionality			[no]
control accuracy			[no]

Above information declared by client

Contact details		NINGBO CITY GENGXIN APPLIANCE INDUSTRY CO., LTD. Xinpu Town, Cixi, 315322 Zhejiang P.R. China	
Model identifier(s): EFySLB-E, EFySL-E, EFyK-E, EFyKB-E, EFySPB-E, EFySP-E (y=450, 451, 452, 453, 455, 456); EF655SL-E, EF655SLB-E, EF655K-E, EF655KB-E(LVD); EF520P-E(GS), EF520PB-E(GS), EF520K-E(GS), EF520KB-E(GS), EF560P-E(GS), EF560PB-E(GS), EF560K-E(GS), EF560KB-E(GS), EF561P-E(GS), EF561PB-E(GS), EF561K-E(GS), EF561KB-E(GS)			
Item	Symbol	Value	Unit
Heat output			
Nominal heat output	P_{nom}	1,800	kW
Minimum heat output (indicative)	P_{min}	0,900	kW
Maximum continuous heat output	$P_{max,c}$	1,800	kW
Power consumption			
In off mode	P_o	0,00	W
In standby mode	P_{sm}	0,43	W
In idle mode	P_{idle}	N.A.	W
In network standby	P_{nsm}	N.A.	W
Standby mode with display of information or status			[no]
Seasonal space heating energy efficiency in active mode	$\eta_{S,on}$	92,0	%
Type of heat output / room temperature control (select one)			
single stage heat output and no room temperature control			[no]
two or more manual stages, no room temperature control			[no]
with mechanic thermostat room temperature control			[no]
with electronic room temperature control			[no]
electronic room temperature control plus day timer			[no]
electronic room temperature control plus week timer			[yes]
Other control options (multiple selections possible)			
room temperature control, with presence detection			[no]
room temperature control, with open window detection			[no]
distance control option			[no]
adaptive start control			[yes]
working time limitation			[no]
black bulb sensor			[no]
self-learning functionality			[no]
control accuracy			[no]

Above information declared by client

Contact details	NINGBO CITY GENGXIN APPLIANCE INDUSTRY CO., LTD. Xinpu Town, Cixi, 315322 Zhejiang P.R. China				
Model identifier(s): DEI18A, DEI18A-T, DER36A, DER36A-F, DER36A-T, DER36A-FT, DER40A-FP, DER50A-FP, DER60A-FP					
Item	Symbol	Value	Unit	Item	Unit
Heat output				Type of heat output / room temperature control (select one)	
Nominal heat output	P_{nom}	1,500	kW	single stage heat output and no room temperature control	[no]
Minimum heat output (indicative)	P_{min}	0,750	kW	two or more manual stages, no room temperature control	[no]
Maximum continuous heat output	$P_{max,c}$	1,500	kW	with mechanic thermostat room temperature control	[no]
Power consumption				with electronic room temperature control	[no]
In off mode	P_o	0,00	W	electronic room temperature control plus day timer	[no]
In standby mode	P_{sm}	0,43	W	electronic room temperature control plus week timer	[yes]
In idle mode	P_{idle}	N.A.	W	Other control options (multiple selections possible)	
In network standby	P_{nsm}	N.A.	W	room temperature control, with presence detection	[no]
Standby mode with display of information or status			[no]	room temperature control, with open window detection	[no]
Seasonal space heating energy efficiency in active mode	$\eta_{S,on}$	92,0	%	distance control option	[no]
				adaptive start control	[yes]
				working time limitation	[no]
				black bulb sensor	[no]
				self-learning functionality	[no]
				control accuracy	[no]

Above information declared by client

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Contact details		NINGBO CITY GENGXIN APPLIANCE INDUSTRY CO., LTD. Xinpu Town, Cixi, 315322 Zhejiang P.R. China	
Model identifier(s): NDY-16R			
Item	Symbol	Value	Unit
Heat output			
Nominal heat output	P_{nom}	1,800	kW
Minimum heat output (indicative)	P_{min}	0,800	kW
Maximum continuous heat output	$P_{max,c}$	1,800	kW
Power consumption			
In off mode	P_o	0,00	W
In standby mode	P_{sm}	0,43	W
In idle mode	P_{idle}	N.A.	W
In network standby	P_{nsm}	N.A.	W
Standby mode with display of information or status			[no]
Seasonal space heating energy efficiency in active mode	$\eta_{S,on}$	92,0	%
Type of heat output / room temperature control (select one)			
single stage heat output and no room temperature control			[no]
two or more manual stages, no room temperature control			[no]
with mechanic thermostat room temperature control			[no]
with electronic room temperature control			[no]
electronic room temperature control plus day timer			[no]
electronic room temperature control plus week timer			[yes]
Other control options (multiple selections possible)			
room temperature control, with presence detection			[no]
room temperature control, with open window detection			[no]
distance control option			[no]
adaptive start control			[yes]
working time limitation			[no]
black bulb sensor			[no]
self-learning functionality			[no]
control accuracy			[no]

Above information declared by client

Photos of tested samples

EF830



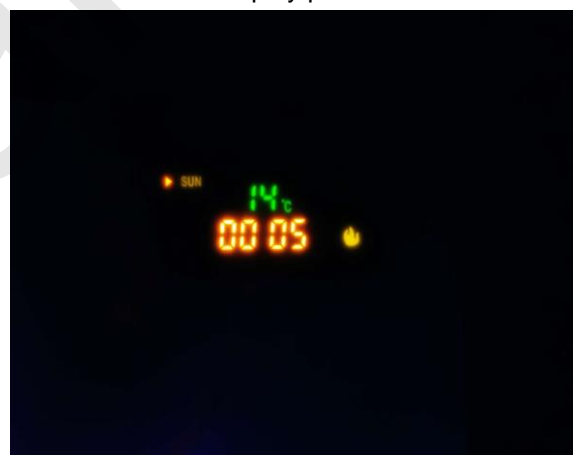
Control panel and power switch



Infrared controller



Display panel



Copy of marking plate:**Representatively, may differ from the model names and power inputs**

Fireplace Heater EF830

220-240V~ 50Hz 2000W



NingBo City GengXin Appliance Industry Co., Ltd.

Xinpu Town, Cixi City, 315322 Zhejiang, P.R. China

Summary of testing		
Seasonal space heating energy efficiency	Limit	requirements
For all models: $\eta_s=48,4\%$.	$\geq 47,5\%$	<input checked="" type="checkbox"/> Annex II.1, 2, 3 and Annex III referred in (EU) 2024/1103

Draft