

TEST REPORT

Energy consumption / efficiency of electrical and electronic products

Report Reference No.	: 6253238.10
Tested by (name + signature)	: Dandan Yin / PE <i>Dandan Yin</i>
Approved by (name + signature)	: Steven Bao / REW <i>Steven Bao</i>
Date of issue	: 2026-03-16
Testing Laboratory	: DEKRA Testing and Certification (Shanghai) Ltd.
Testing location / address	: Building 1, No.1050, Xingxian Road, Jiading District Shanghai 201815 China
Applicant	: Ningbo Hengchuang Electric Appliance Co., Ltd
Address	: No.258 Zhouxi Road, Zhouxiang Town, Cixi City, Zhejiang Province, China
Test specification:	
Standard(s)	: IEC 62301: 2011 EN 50564: 2011
Test procedure	: Commission Regulation (EU) 2023/826 of 17 April 2023 Laying down ecodesign requirements for off mode, standby mode, and networked standby energy consumption of electrical and electronic household and office equipment pursuant to Directive 2009/125/EC of the European Parliament and of the Council.
Test object description	: Hot-air fryer
Trade Mark	: /
Manufacturer	: Ningbo Hengchuang Electric Appliance Co., Ltd
Address	: No.258 Zhouxi Road, Zhouxiang Town, Cixi City, Zhejiang Province, China
Model/Type reference	: HC-5501E
Ratings	: 220-240 V~, 50/60 Hz, 1500 W, Class I
Number of test objects	: 1 pc
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)
Test program	: The test object has been submitted to a test program as mentioned on the next pages. This test report is not including requirement of networked equipment.
The test results shown in this report relate only to the tests performed according to the test program. © Integral publication of this document is allowed.	

Summary of testing:

Comply with Commission Regulation (EU) 2023/826:

Model	Power consumption measurement (W)			Availability of standby/ off mode	Power management
	Standby mode	Off mode	Network Standby mode		
HC-5501E	0,20 W (limit: 0,5 W)	N/A	N/A	P	N/A

Copy of marking plate:

Hot-air fryer

Model: HC-5501E

220-240V~, 50/60Hz, 1500W



Ningbo Hengchuang Electric Appliance Co., Ltd
No.258 Zhouxi Road,Zhouxiang Town, Cixi
City,Zhejiang Province, China

Product Picture (Representative)**General product information:**

This appliance is a portable air fryer for household and indoor use only, it is used for cooking food.

This appliance has two kinds of containers as optional, a detachable connecting part was set up between the heating component and large container while the small container doesn't need to.

1	TEST PARAMETERS AND PROCEDURE		-
	Applied standard	IEC 62301:2011 EN 50564:2011	-
	Ambient temperature 23+/-5 °C	23 °C	-
	Power supply – test voltage and frequency accuracy	230 V ± 1%, 50 Hz ±1%	-
	Supply voltage waveform - total harmonic distortion of the supply system	1,010% < 2%	-
	Measurement uncertainty	0,01 W	-
	For MCR≤10		P
	- Power of 1,0 W or greater : ≤ 2% at 95% confidence level		N/A
	- Power less than 1,0 W : ≤0,02 W at 95% confidence level		P
	For MCR>10		N/A
	- Power of 1,0 W or greater : the maximum permitted relative uncertainty introduced by the power measurement equipment shall be equal to or less than Upc at the 95 % confidence level.		N/A
	- Power less than 1,0 W : ≤0,02 W at 95% confidence level the permitted absolute uncertainty shall be the greater of Uma (0,02 W) or Upc when expressed as an absolute uncertainty in W (Upc × measured value) at the 95 % confidence level.		N/A
	Measurement Procedure		-
	5.3.2 The sampling method: by the use of an instrument to record power measurements at regular intervals throughout the measurement period. Sampling is the preferred method of measurement for all modes and product types under this standard. For modes where power varies in a cyclic fashion or is unstable, or for limited duration modes, sampling is the only measurement method permitted under this standard; or		N/A
	5.3.3 The average reading method: where the power value is stable and the mode is stable, by averaging the instrument power readings over a specified period or, alternatively by recording the energy consumption over a specified period and dividing by the time; or		P
	5.3.4 The direct meter reading method: where the power value is stable and the mode is stable, by recording the instrument power reading.		N/A

2	POWER CONSUMPTION MEASUREMENT			-
	Operating mode – selection of mode or programming	Standby-mode		-
	Sequence of events to reach the mode where the equipments automatically changes mode to “OFF mode and or Standby mode”.			-
	Other information to the operation mode			-
	Power value measured under stable condition	☒ Yes ☐ No		-
	Test procedure	☐ Verification test (3 samples)	☒ Type test (1 sample)	-
2.1	Off-mode			-
	Measured value in mW			-
	~~Test cycle 01~~	~~Test cycle 02~~	~~Test cycle 03~~	-
	~~Data:~~	~~Data:~~	~~Data:~~	-
	Average (Reported value in watts rounded to the second decimal place, for loads greater than or equal to 10W, three significant figures shall be reported.)			-
2.2	Standby-mode (The power consumption of equipment in any condition providing only a reactivation function, or providing only a reactivation function and an indication of enabled reactivation function)			-
	Measured value in mW			-
	HC-5501E	~~Test cycle 02~~	~~Test cycle 03~~	-
	Data: 200 mW	~~Data:~~	~~Data:~~	-
	Average (Reported value in watts rounded to the second decimal place, for loads greater than or equal to 10w, three significant figures shall be reported.)			-
2.3	Standby-mode (The power consumption of equipment in any condition providing only information or status display, or providing only a combination of reactivation function and information or status display, or providing only a reactivation function and an indication of enable reactivation function and information or status display)			-
	Measured value in mW			-
	~~Test cycle 01~~	~~Test cycle 02~~	~~Test cycle 03~~	-
	~~Data:~~	~~Data:~~	~~Data:~~	-
	Average (Reported value in watts rounded to the second decimal place, for loads greater than or equal to 10w, three significant figures shall be reported.)			-
2.4	Power consumption in networked standby (The power consumption of HiNA equipment or equipment with HiNA functionality, in networked standby shall not exceed 8,00 W. Two years after the application of this Regulation, the power consumption of HiNA equipment or equipment with HiNA functionality in networked standby shall not exceed 7,00 W. The power consumption of networked equipment, other than HiNA equipment or equipment with HiNA functionality, in networked standby shall not exceed 2,00 W.)			-

	Measured value in mW			-
	Test cycle 01	Test cycle 02	Test cycle 03	-
	Data:	Data:	Data:	-
	Average (Reported value in watts rounded to the second decimal place, for loads greater than or equal to 10w, three significant figures shall be reported.)			-
3	ECODESIGN REQUIREMENTS (EU) 2023/826			-
	Applied as from 9 May 2025:			-
		Limit	Measured	-
	OFF mode	0,50 W		N/A
	Standby-mode - The equipment in any condition providing only a reactivation function, or providing only a reactivation function and an indication of enabled reactivation function	0,50 W	0,20 W	P
	Standby-mode - The equipment in any condition providing only information or status display, or providing only a combination of reactivation function and information or status display, or providing only a reactivation function and an indication of enable reactivation function and information or status display	0,80 W		N/A
	Household tumble driers covered by Commission Regulation (EU) No 932/2012	1,00 W		N/A
	Network Standby-mode - HiNA equipment or equipment with HiNA functionality	8,00 W		N/A
	Network Standby-mode - Networked equipment other than HiNA equipment or equipment with HiNA functionality	2,00 W		N/A
	Sampling	1 unit / Average of 3 units		-
	Applied as from 9 May 2027:			-
		Limit	Measured	-
	OFF mode	0,30 W		N/A
	Network Standby-mode - HiNA equipment or equipment with HiNA functionality	7,00 W		N/A
	Sampling	1 unit / Average of 3 units		-
4	FUNCTIONAL REQUIREMENTS:			-
(a)	AVAILABILITY OF OFF MODE AND STANDBY MODE:			-
	Unless this is inappropriate for the intended use, equipment shall provide one or more of the following conditions			P
	— off mode,			N/A
	— standby mode,			P

	— another condition which does not exceed the applicable power consumption requirements for off mode or standby mode when the equipment is connected to the mains power source.		N/A
(b)	Power management function for all equipment other than networked equipment:		-
(1)	Unless inappropriate for the intended use, equipment shall provide a power management function. When equipment is not providing a main function, and another energy-related product is not dependent on its functions, the power management function shall switch equipment, after the shortest possible period appropriate for the intended use of the equipment, automatically into either of the following conditions:		N/A
	— standby mode,		N/A
	— off mode,		N/A
	— another condition which does not exceed the applicable power consumption requirements for off mode or standby mode when the equipment is connected to the mains power source.		N/A
(2)	For household coffee machines, the period referred to in point (1) shall be as follows:		N/A
	— for drip filter household coffee machines storing the coffee in an insulated jug, a maximum of five minutes;		N/A
	— for drip filter household coffee machines storing the coffee in a non-insulated jug, a maximum of 40 minutes;		N/A
	— for household coffee machines other than drip filter household coffee machines, a maximum of 30 minutes.		N/A
(3)	For other equipment, the period referred to in point (1) shall not exceed 20 minutes.		N/A
(4)	The power management function described in point (1) shall be activated when the equipment is placed on the market or put into service and activated with its initial setup after the equipment is reset to its factory default settings.		N/A
(5)	The equipment may offer the user the option to deactivate the power management function. In such cases the users shall be warned about the increased energy consumption of that action. That warning shall be included in the instruction manuals and, where applicable, be made available on the displays integrated in or connected to the equipment, excluding information or status displays. That option shall not be part of the installation procedure of the equipment and shall require a separate user action on the equipment.		N/A

(c)	Power management for networked equipment:		-
	Unless inappropriate for the intended use, equipment shall provide a power management function. When equipment is not performing a main function, and another energy-related product is not dependent on its functions, the power management function shall switch equipment, after the shortest possible period appropriate for the intended use of the equipment, automatically into networked standby. That period shall not exceed 20 minutes.		N/A
	In networked standby, the power management function may switch equipment automatically into standby mode or off mode or another condition, which does not exceed the applicable power consumption requirements for standby or off mode.		N/A
	The power management function shall be available for all network ports of the networked equipment.		N/A
	Unless all network ports are deactivated, the power management function shall be activated when the equipment is placed on the market or put into service. After the equipment is reset to its factory default settings, the power management function shall be activated if any of the network ports is activated.		N/A
	The equipment may offer the user the option to deactivate the power management function. In such cases, the user shall be warned about the increased energy consumption of that action. That warning shall be included in the instruction manuals and, where applicable, be made available on the displays integrated in or connected to the equipment. That option shall not be part of the installation procedure of the equipment and shall require a separate user action on the equipment.		N/A
	Networked equipment other than HiNA equipment shall comply with the requirements set out in point 2(b) when all wired network ports are disconnected and all wireless network ports are deactivated.		N/A
(d)	Possibility of deactivating wireless network connections:		
	Any networked equipment that can be connected to a wireless network shall offer the user the possibility to deactivate the wireless network connections. That requirement does not apply to equipment that relies on a single wireless network connection for intended use and have no wired network connection.		N/A
(e)	The indication 'standby' and its translations in all Union official languages shall not be used in describing, either alone or in combination with other information, any condition in which the equipment is not compliant with the requirements set out in points 1(b) or 1(c).		N/A

5	USED EQUIPMENT LIST				-
	Measurement/ testing	Registration Number	Testing/measuring equipment/material used	Range used	Calibration due date
	Energy consumption	SH1177	Digital power meter / WT3000 /YOKOGAWA	0-300V/0-600V; 0-10A	2027-02-21

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