



Winix ZERO Compact

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Test Report No. F690101/LF-CTSAYAA20-57819

Issued Date: Oct 20, 2020

Page 1 of 18

WEEE Disassembly Manual

To: **WINIX INC**
80-13, Sujeong-ro, Jangan-myeon
Hwaseong-si, Gyeonggi-do
Korea

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Product Name : AIR PURIFIER
Item No./Part No. : N/A
Sample receiving date : 2020/09/22
Client Reference Data : ALPHA Series (AAPU300-JWT, AAPU300-JVT, AAPU450-JWE, AAPU500-JLE, AAPU450-JDE, AAPU450-JWB, AAPU500-JLB, AUS-0850AAPU)

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The Blackvue Connectivity Module is classified as Category 5 under Annex IB of Directive 2012/19/EU. The following table shows the WEEE Directive compliance conclusion.

Item \ Assessment	Recycled Rate(%)	Recovered Rate(%)
Result of Assessment	75.8	79.5
Minimum Recovery targets under WEEE (recast) Directive Annex V Part3	55	75
WEEE requirement compliance	PASS	PASS
Disassembly time(sec.)	2000	

SGS Korea Co. Ltd.

Sam Yuk/E&E Chem. Mgr

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Contents

Section


- 1.Product Information
- 2.Product Composition
- 3.Diassembly Procedure
- 4.Recycled and Recovered Rate Assessment
- 5.WEEE Directive Compliance

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1. Product Information

The product is a AIR PURIFIER The weight of this product is 3257.2g.

The appearance of the product is as follows:

	TOP		
Left	Front 	Right	Back
	Bottom		

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Test Report No. F690101/LF-CTSAYAA20-57819

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Page 4 of 18

2. Product Composition

The composition and weight of each part is described as follows:

Part Name	Composition	Weight (g)	Percent (%)
Cover Body, plastic	Plastic	2010	61.7
Metal	Metal	82.5	2.5
PCBA	PCBA	1060	32.5
CABLE	CABLE	104.7	3.3
Total		3257.2	100

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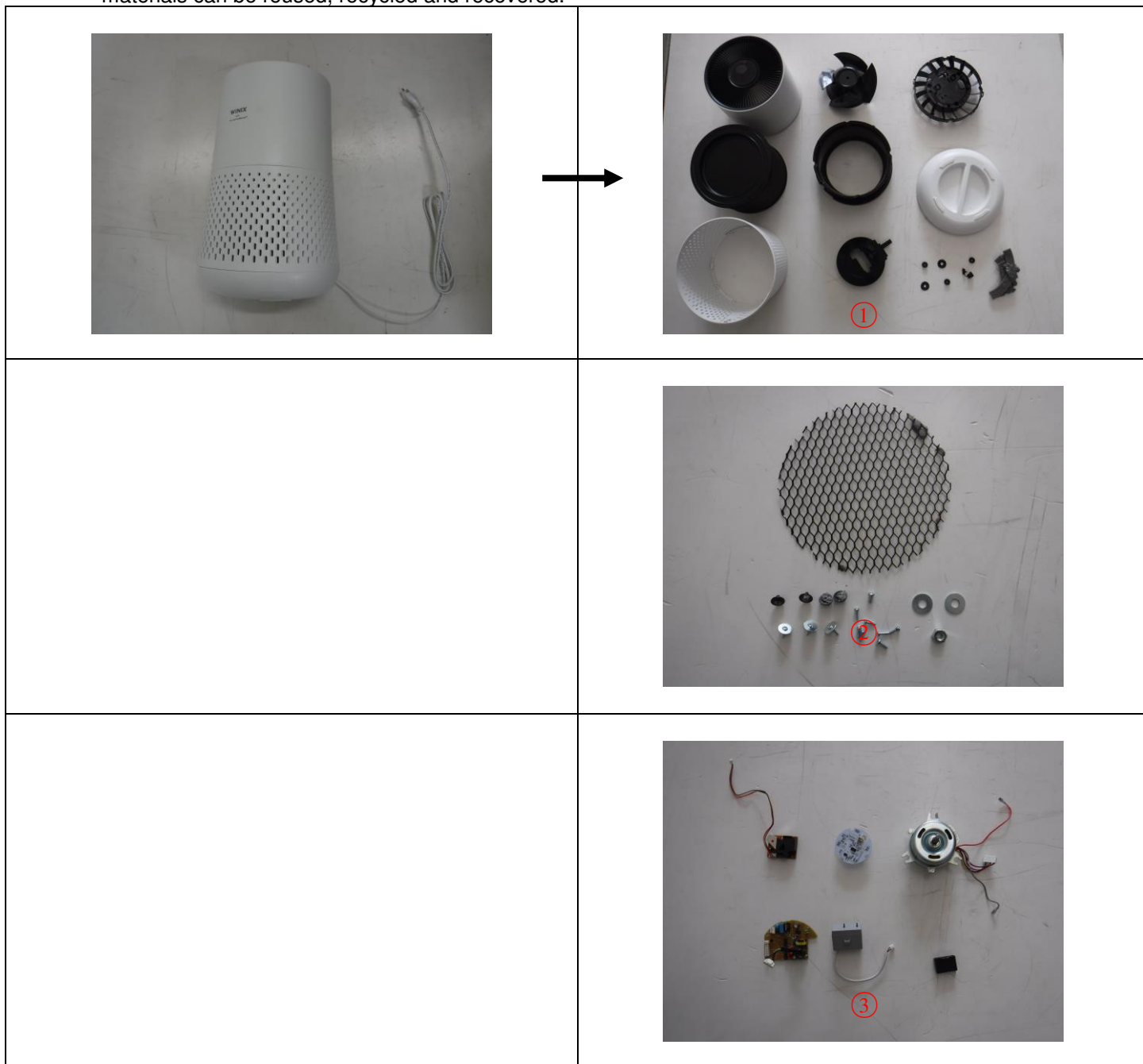
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3. Disassembly Procedure

3.1 Flow Chart for Disassembly Procedure

The disassembly procedure taken here is in accordance with the treatment requirements under the Annex II of the WEEE Directive. In addition to considering economic and efficiency factors, manual operation and disassembly tools have been applied to separate the components and materials from this product in order to simulate the scenario at the treatment facility, and to achieve the objective that the separated components and materials can be reused, recycled and recovered.








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3.2 Component and Material Composition

The material declaration for this product, the disassembly tools and the disassembly time are described in the following table.

Procedure		Part					Disassembly			Remark
No.	Picture	No.	Name	Picture	Material	Weight (g)	Connection Technique	Tool	Time(s.)	
		1	Cover Body, plastic		Plastic	2010	Clip, Solder, Screw	Screw driver, Nipper	2000	
		2	Metal		Metal	82.5				
		3	PCBA		PCBA	1060				
		4	CABLE		Cable	104.7				

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4. Recycled and Recovered Rate Assessment

The recycled and recovered rate assessment for this product is based upon the waste treatment technologies and equipment that are most frequently available to the market.

The following table is the result of the assessment.

Part Name	Composition	Recycled rate (%) [*]	Energy Recovery (%) [*]	Recovered rate (%) [*]
Cover Body, plastic	Plastic	55.5	3.7	59.2
Metal	Metal	2.4	-	2.4
PCBA	PCBA	16.3	-	16.3
CABLE	CABLE	1.6	-	1.6
Total		75.8	3.7	79.5

*: the percentages are based on the total device weight.

5. WEEE Directive Compliance

5.1 Selective Treatment for Materials and Components

This product contains component and material items, listed in Annex VII of the WEEE

Directive, that require selective treatment for materials and components of waste electrical and electronic equipment in accordance with Article 6(1). They are described in the following table.

Component/Material	Photo No.
-	-

5.2 Recycled and Recovered Rate Assessment

Item	Assessment	Recycled Rate(%)	Recovered Rate(%)
Result of Assessment		75.8	79.5
Minimum Recovery targets under WEEE (recast) Directive Annex V Part3		55	75
WEEE requirement compliance		PASS	PASS
Disassembly time(sec.)		2000	

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