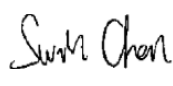
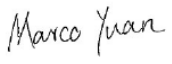


Prüfbericht - Nr.: 16058670 001			Seite 1 von 19		
<i>Test Report No.:</i>			<i>Page 1 of 19</i>		
Auftraggeber:		Zhongshan Sen Jia Electrical Appliances Co.,Ltd.			
<i>Client:</i>		No.35-2 Wen-Ming Road, Nanqu No.2 Industrial Estate, Zhongshan, Guangdong , P. R.China			
Gegenstand der Prüfung:		Electric Fan			
<i>Test item:</i>					
Bezeichnung:		FE20JA, FE30JA, FT40JA, FT40JC, FS40JA, FS40JA-E		Serien-Nr.: Engineering samples	
<i>Identification:</i>				<i>Serial No.:</i>	
Wareneingangs-Nr.:		174017842		Eingangsdatum: Jan.03.2014	
<i>Receipt No.:</i>				<i>Date of receipt:</i>	
Zustand des Prüfgegenstandes bei Anlieferung:			Good for checking and testing		
Condition of test item at delivery:					
Prüfört:		Foshan Supervision Testing Center of Quality and Metrology (Testing Laboratory).			
<i>Testing location:</i>		Keji Road, Foshan Yihuan, Nanhai District, Foshan, Guangdong, P.R.China			
Prüfgrundlage:		Commission Regulation (EC) No 206/2012 – Implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for air conditioners and comfort fans			
<i>Test specification:</i>					
Prüfergebnis:		Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).			
<i>Test Result:</i>		<i>The test item passed the test specification(s).</i>			
Prüflaboratorium:		TÜV Rheinland (Guangdong) Ltd.			
<i>Testing Laboratory:</i>		No.199, Kezhu Road, Guangzhou Science City, 510663, Guangzhou, P.R.China			
geprüft/tested by:			kontrolliert/ reviewed by:		
<p>2014-01-20 Swin Chen </p>			<p>2014-01-20 Marco Yuan </p>		
Datum	Name/Stellung	Unterschrift	Datum	Name/Stellung	Unterschrift
<i>Date</i>	<i>Name/Position</i>	<i>Signature</i>	<i>Date</i>	<i>Name/Position</i>	<i>Signature</i>
Sonstiges/ Other Aspects:					
<p>Abkürzungen: P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet</p> <p>Abbreviations: P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested</p>					
<p>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.</p> <p><i>This test report 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 safety mark on this or similar products.</i></p>					

General remarks

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

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

“(see remark #)” refers to a remark appended to the report.

“(see appended table)” refers to a table appended to the report.

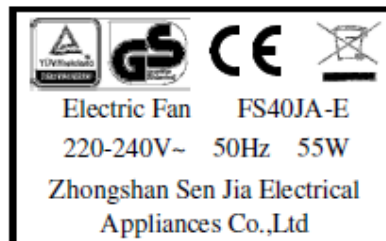
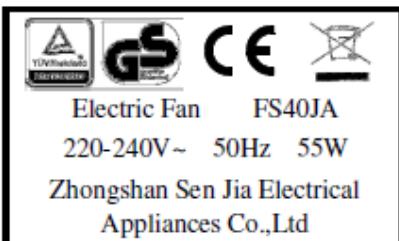
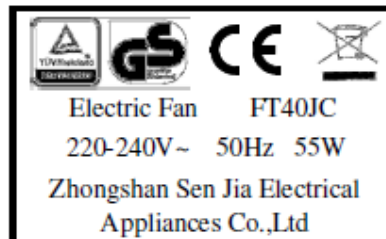
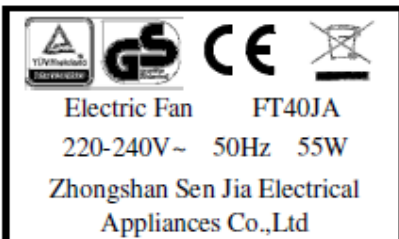
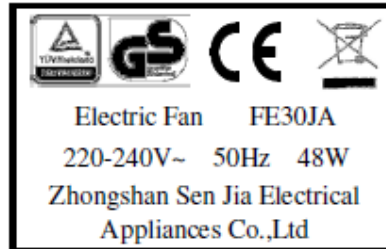
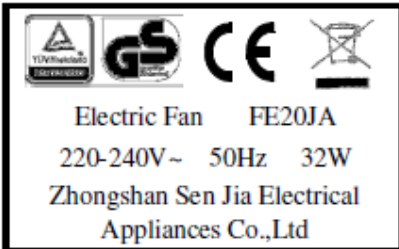
Throughout this report a point is used as the decimal separator.

Remark:

- All models among one group in below list are identical except for model number, switch box.

-Test sample selecting:

Group	Models	Model was selected as representative for the test
1	FE20JA	FE20JA
2	FE30JA	FE30JA
3	FT40JA, FT40JC	FT40JA
4	FS40JA, FS40JA-E	FS40JA

Copy of Nameplate - (according to the separate submitted document)**Test Standard**

EN 50564:2011, Electrical and electronic household and office equipment – Measurement of low power consumption

EN 60704-1:2010, Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 1: General requirements

EN 60704-2-7:1998, Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2: Particular requirements for fans

IEC 60879:1986 (corr.1992), Performance and construction of electric circulating fans and regulators

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict

Model FE20JA:

Unit Under Test (UUT)	
Model / Type under test	FE20JA
Rated Voltage and Frequency	220-240V~ 50Hz, 32W
Product Description	
Product type.....	Electric fan
Fan size.....	20cm
Material.....	Metal grill, metal blade, metal base
Number of fan speeds.....	3
Type of fan speed control.....	Knob switch
Blade number.....	3
Oscillation system (Type/Style).....	Not available
Remote control.....	Not available
Critical Components	
Component	Marking / Specification
Fan motor	Bailing Motor, F20JM-B, 220V-240V, 50Hz, 32W, Class:120 (Class: E)
Switch	Yongjiang, GZS-6, 250VAC, 1(1)A, T55 1E4 Kai Tak, 238T, 250VAC, 3(2)A T85, 1E4 Towei, 3410, 250VAC, 10(3)A, T105, 1E4
Capacitor	Xunwei, CBB61, 450VAC, 1µF, T70/T85 Dahua, CBB-61, 450VAC, 1µF, T70/T85 New Tech, CBB61, 450VAC, 1µF, T70/T85 Fongming, CBB61, 450VAC, 1µF, T70/T85 Xunde, CBB61, 450VAC, 1µF, T70 Kang Li, CBB61, 450VAC, 1µF, T70
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)
Testing	
Date of receipt of test item	Jan.03.2014
Date(s) of performance of test.....	Jan.13.2014
Test Condition	
Ambient temperature	20.0~25.0°C
Relative humidity.....	50~55%
Test Voltage and frequency	AC230V 50Hz

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict
Annex I	Ecodesign Requirements		
2	Requirement for maximum power consumption in off-mode and stand-by Mode		
(d)	From 1 Jan. 2014, requirements for maximum power consumption in off-mode and standby mode for comfort fans		P
	Power Consumption in any off-mode condition: $\leq 0.5W$	Off-mode: <u>0.00</u> W	P
	Power Consumption in standby mode(s): (i) in any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function $\leq 0.5W$; (ii) In any condition providing only information or status display, or providing only a combination of reactivation function and information or status display $\leq 1W$	Standby-mode: (i) <u>N/A</u> W Measurement method: EN 50564:2011 <input type="checkbox"/> clause 5.3.2 <input type="checkbox"/> clause 5.3.3 <input type="checkbox"/> clause 5.3.4 (ii) <u>N/A</u> W Measurement method: EN 50564:2011 <input type="checkbox"/> clause 5.3.2 <input type="checkbox"/> clause 5.3.3 <input type="checkbox"/> clause 5.3.4	N/A
	Availability of off mode and/or standby mode Equipment shall, except where this is inappropriate for the intended use, provide off mode and/or standby mode, and/or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Off/standby mode is inappropriate for the intended use of equipment	P
	Power Management: When equipment is not providing the main function, or when other energy-using product(s) are not dependent on its functions, equipment shall, unless inappropriate for the intended use, offer a power management function, or a similar function, that switches equipment after the shortest possible period of time appropriate for the intended use of the equipment, automatically into: — standby mode (≤ 0.5 or $1 W$), or — off mode ($\leq 0.5W$), or — another condition (≤ 0.5 or $1 W$)	<input type="checkbox"/> Yes, ___ W Time taken to automatically reach standby/off mode, or another condition: _____ sec. <input checked="" type="checkbox"/> No (refer to manufacturer's declaration) <input type="checkbox"/> A power management function is inappropriate for the intended use	N/A

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict

Annex I	Ecodesign Requirements		
3	Product Information Requirements		
	Maximum fan flow rate (F)	26.44 m ³ /min	--
	Fan power input (P)	29.7 W	--
	Service value (SV)	0.89 (m ³ /min)/W	--
	Measurement standard for service value	IEC 60879:1986 (corr.1992),	--
	Standby power consumption (P_{SB})	0.00 W	--
	Fan sound power level (L_{WA})	53.8 dB(A)	--
	Maximum air velocity(c)	3.18 meters/sec	--
	Seasonal electricity consumption (Q)	9.50 kWh/a	--
	Contact details for obtaining more information	Zhongshan Sen Jia Electrical Appliances Co.,Ltd. No.35-2 Wen-Ming Road, Nanqu No.2 Industrial Estate, Zhongshan, Guangdong , P. R. China	--

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict

Model FE30JA:

Unit Under Test (UUT)	
Model / Type under test	FE30JA
Rated Voltage and Frequency	220-240V~ 50Hz, 48W
Product Description	
Product type.....	Electric fan
Fan size.....	30cm
Material.....	Metal grill, metal blade, metal base
Number of fan speeds.....	3
Type of fan speed control.....	Knob switch
Blade number.....	3
Oscillation system (Type/Style).....	Not available
Remote control.....	Not available
Critical Components	
Component	Marking / Specification
Fan motor	Sen Jia, F30JM-B, 220V-240V , 50Hz, 48W , Class:120 (Class: E)
Switch	Yongjiang, GZS-6 , 250VAC, 1(1)A, T55 1E4 Kai Tak, 238T, 250VAC, 3(2)A T85 , 1E4 Towei, 3410, 250VAC, 10(3)A, T105, 1E4
Capacitor	Xunwei, CBB61, 450VAC ,1.2μF , T70/T85 Dahua, CBB-61, 450VAC, 1.2μF, T70/T85 New Tech, CBB61, 450VAC 1.2μF T70/T85 Fongming, CBB61, 450VAC ,1.2μF, T70/T85 Xunde, CBB61, 450VAC ,1.2μF, T70 Kang Li, CBB61, 450VAC ,1.2μF, T70
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)
Testing	
Date of receipt of test item	Jan.03.2014
Date(s) of performance of test.....	Jan.13.2014
Test Condition	
Ambient temperature	20.0~25.0°C
Relative humidity.....	50~55%
Test Voltage and frequency	AC230V 50Hz

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict
Annex I	Ecodesign Requirements		
2	Requirement for maximum power consumption in off-mode and stand-by Mode		
(d)	From 1 Jan. 2014, requirements for maximum power consumption in off-mode and standby mode for comfort fans		P
	Power Consumption in any off-mode condition: $\leq 0.5W$	Off-mode: <u>0.00</u> W	P
	Power Consumption in standby mode(s): (i) in any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function $\leq 0.5W$; (ii) In any condition providing only information or status display, or providing only a combination of reactivation function and information or status display $\leq 1W$	Standby-mode: (i) <u>N/A</u> W Measurement method: EN 50564:2011 <input type="checkbox"/> clause 5.3.2 <input type="checkbox"/> clause 5.3.3 <input type="checkbox"/> clause 5.3.4 (ii) <u>N/A</u> W Measurement method: EN 50564:2011 <input type="checkbox"/> clause 5.3.2 <input type="checkbox"/> clause 5.3.3 <input type="checkbox"/> clause 5.3.4	N/A
	Availability of off mode and/or standby mode Equipment shall, except where this is inappropriate for the intended use, provide off mode and/or standby mode, and/or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Off/standby mode is inappropriate for the intended use of equipment	P
	Power Management: When equipment is not providing the main function, or when other energy-using product(s) are not dependent on its functions, equipment shall, unless inappropriate for the intended use, offer a power management function, or a similar function, that switches equipment after the shortest possible period of time appropriate for the intended use of the equipment, automatically into: — standby mode (≤ 0.5 or $1 W$), or — off mode ($\leq 0.5W$), or — another condition (≤ 0.5 or $1 W$)	<input type="checkbox"/> Yes, ___ W Time taken to automatically reach standby/off mode, or another condition: _____ sec. <input checked="" type="checkbox"/> No (refer to manufacturer's declaration) <input type="checkbox"/> A power management function is inappropriate for the intended use	N/A

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict

Annex I	Ecodesign Requirements		
3	Product Information Requirements		
	Maximum fan flow rate (F)	55.29 m ³ /min	--
	Fan power input (P)	43.1 W	--
	Service value (SV)	1.28 (m ³ /min)/W	--
	Measurement standard for service value	IEC 60879:1986 (corr.1992),	--
	Standby power consumption (P_{SB})	0.00 W	--
	Fan sound power level (L_{WA})	59.7 dB(A)	--
	Maximum air velocity(c)	3.14 meters/sec	--
	Seasonal electricity consumption (Q)	13.79 kWh/a	--
	Contact details for obtaining more information	Zhongshan Sen Jia Electrical Appliances Co.,Ltd. No.35-2 Wen-Ming Road, Nanqu No.2 Industrial Estate, Zhongshan, Guangdong , P. R. China	--

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict

Model FT40JA:

Unit Under Test (UUT)	
Model / Type under test	FT40JA
Rated Voltage and Frequency	220-240V~ 50Hz, 55W
Product Description	
Product type.....	Electric fan
Fan size.....	40cm
Material.....	Metal grill, metal blade, metal base
Number of fan speeds.....	3
Type of fan speed control.....	Rotary Switch
Blade number.....	4
Oscillation system (Type/Style).....	Driven by gear box
Remote control.....	Not available
Critical Components	
Component	Marking / Specification
Fan motor	Baling Motor, F40JM-A, AC220V-240V , 50Hz, 55W , Class:120 Sen Jia, F40JM-E, AC220-240V, 50Hz, 50W, Class 120
Switch	Yongjiang, GZS-6B , 250VAC, 1(1)A, T55 1E4 Tender, KX34, 250VAC, 250VAC, 3A, T55,10000Cycles Towei, 3410, 250VAC, 10(3)A, T105, 1E4 Kai Tak, 239T, 250VAC, 3(2)A T85 , 1E4
Capacitor	Xunwei, CBB61, AC450VAC, 1.2μF , T70/T85 Dahua, CBB6-1, AC450V, 0.6μF, 1.2μF, T70/ T85 New Tech, CBB61, 450VAC, 1.2μF, T70/T85 Fongming, CBB61, AC450V, 1.2μF, T70/ T85 Xunde, CBB61, 450VAC ,1.2μF, T70 Kang Li, CBB61, 450VAC ,1.2μF, T70 Global, CBB61, AC450V, 1.2μF, T70
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)
Testing	
Date of receipt of test item	Jan.03.2014
Date(s) of performance of test.....	Jan.16.2014
Test Condition	
Ambient temperature	20.0~25.0°C
Relative humidity.....	50~55%
Test Voltage and frequency	AC230V 50Hz

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict

Annex I Ecodesign Requirements			
2	Requirement for maximum power consumption in off-mode and stand-by Mode		
(d)	From 1 Jan. 2014, requirements for maximum power consumption in off-mode and standby mode for comfort fans		P
	Power Consumption in any off-mode condition: ≤ 0.5W	Off-mode: <u>0.00</u> W	P
	Power Consumption in standby mode(s): (i) in any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function ≤ 0.5W; (ii) In any condition providing only information or status display, or providing only a combination of reactivation function and information or status display ≤ 1W	Standby-mode: (i) <u>N/A</u> W Measurement method: EN 50564:2011 <input type="checkbox"/> clause 5.3.2 <input type="checkbox"/> clause 5.3.3 <input type="checkbox"/> clause 5.3.4 (ii) <u>N/A</u> W Measurement method: EN 50564:2011 <input type="checkbox"/> clause 5.3.2 <input type="checkbox"/> clause 5.3.3 <input type="checkbox"/> clause 5.3.4	N/A
	Availability of off mode and/or standby mode Equipment shall, except where this is inappropriate for the intended use, provide off mode and/or standby mode, and/or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Off/standby mode is inappropriate for the intended use of equipment	P
	Power Management: When equipment is not providing the main function, or when other energy-using product(s) are not dependent on its functions, equipment shall, unless inappropriate for the intended use, offer a power management function, or a similar function, that switches equipment after the shortest possible period of time appropriate for the intended use of the equipment, automatically into: — standby mode (≤ 0.5 or 1 W), or — off mode (≤ 0.5W), or — another condition (≤ 0.5 or 1 W)	<input type="checkbox"/> Yes, ___ W Time taken to automatically reach standby/off mode, or another condition: _____ sec. <input checked="" type="checkbox"/> No (refer to manufacturer's declaration) <input type="checkbox"/> A power management function is inappropriate for the intended use	N/A

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict

Annex I	Ecodesign Requirements		
3	Product Information Requirements		
	Maximum fan flow rate (F)	72.05 m ³ /min	--
	Fan power input (P)	44.3 W	--
	Service value (SV)	1.63 (m ³ /min)/W	--
	Measurement standard for service value	IEC 60879:1986 (corr.1992),	--
	Standby power consumption (P_{SB})	0.00 W	--
	Fan sound power level (L_{WA})	66.8 dB(A)	--
	Maximum air velocity(c)	2.92 meters/sec	--
	Seasonal electricity consumption (Q)	14.18 kWh/a	--
	Contact details for obtaining more information	Zhongshan Sen Jia Electrical Appliances Co.,Ltd. No.35-2 Wen-Ming Road, Nanqu No.2 Industrial Estate, Zhongshan, Guangdong , P. R. China	--

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict

Model FS40JA:

Unit Under Test (UUT)	
Model / Type under test	FS40JA
Rated Voltage and Frequency	220-240V~ 50Hz, 55W
Product Description	
Product type.....	Electric fan
Fan size.....	40cm
Material.....	Metal grill, metal blade, metal stand
Number of fan speeds.....	3
Type of fan speed control.....	Rotary Switch
Blade number.....	4
Oscillation system (Type/Style).....	Driven by gear box
Remote control.....	Not available
Critical Components	
Component	Marking / Specification
Fan motor	Baling Motor, F40JM-A, AC220V-240V , 50Hz, 55W , Class:120 Sen Jia, F40JM-E, AC220-240V, 50Hz, 50W, Class 120
Switch	Yongjiang, GZS-6 , 250VAC, 1(1)A, T55 1E4 Towei, 3410, 250VAC, 10(3)A, T105, 1E4 Kai Tak, 238T, 250VAC, 3(2)A T85 , 1E4
Capacitor	Xunwei, CBB61, 450VAC, 1.2μF , T70/T85 Dahua, CBB6-1, AC450V, 0.6μF, 1.2μF, T70/ T85 New Tech, CBB61, 450VAC, 1.2μF, T70/T85 Fongming, CBB61, AC450V, 1.2μF, T70/ T85 Xunde, CBB61, 450VAC ,1.2μF, T70 Kang Li, CBB61, 450VAC ,1.2μF, T70 Global, CBB61, AC450V, 1.2μF, T70
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)
Testing	
Date of receipt of test item	Jan.03.2014
Date(s) of performance of test.....	Jan.13.2014
Test Condition	
Ambient temperature	20.0~25.0°C
Relative humidity.....	50~55%
Test Voltage and frequency	AC230V 50Hz

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict

Annex I Ecodesign Requirements			
2	Requirement for maximum power consumption in off-mode and stand-by Mode		
(d)	From 1 Jan. 2014, requirements for maximum power consumption in off-mode and standby mode for comfort fans		P
	Power Consumption in any off-mode condition: $\leq 0.5W$	Off-mode: <u>0.00</u> W	P
	Power Consumption in standby mode(s): (i) in any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function $\leq 0.5W$; (ii) In any condition providing only information or status display, or providing only a combination of reactivation function and information or status display $\leq 1W$	Standby-mode: (i) <u>N/A</u> W Measurement method: EN 50564:2011 <input type="checkbox"/> clause 5.3.2 <input type="checkbox"/> clause 5.3.3 <input type="checkbox"/> clause 5.3.4 (ii) <u>N/A</u> W Measurement method: EN 50564:2011 <input type="checkbox"/> clause 5.3.2 <input type="checkbox"/> clause 5.3.3 <input type="checkbox"/> clause 5.3.4	N/A
	Availability of off mode and/or standby mode Equipment shall, except where this is inappropriate for the intended use, provide off mode and/or standby mode, and/or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Off/standby mode is inappropriate for the intended use of equipment	P
	Power Management: When equipment is not providing the main function, or when other energy-using product(s) are not dependent on its functions, equipment shall, unless inappropriate for the intended use, offer a power management function, or a similar function, that switches equipment after the shortest possible period of time appropriate for the intended use of the equipment, automatically into: — standby mode (≤ 0.5 or $1 W$), or — off mode ($\leq 0.5W$), or — another condition (≤ 0.5 or $1 W$)	<input type="checkbox"/> Yes, ___ W Time taken to automatically reach standby/off mode, or another condition: _____ sec. <input checked="" type="checkbox"/> No (refer to manufacturer's declaration) <input type="checkbox"/> A power management function is inappropriate for the intended use	N/A

EU/206/2012			
Clause	Requirements - Test	Result - Remark	Verdict

Annex I	Ecodesign Requirements		
3	Product Information Requirements		
	Maximum fan flow rate (F)	51.94 m ³ /min	--
	Fan power input (P)	42.1 W	--
	Service value (SV)	1.23 (m ³ /min)/W	--
	Measurement standard for service value	IEC 60879:1986 (corr.1992),	--
	Standby power consumption (P_{SB})	0.00 W	--
	Fan sound power level (L_{WA})	66.8 dB(A)	--
	Maximum air velocity(c)	3.46 meters/sec	--
	Seasonal electricity consumption (Q)	13.47 kWh/a	--
	Contact details for obtaining more information	Zhongshan Sen Jia Electrical Appliances Co.,Ltd. No.35-2 Wen-Ming Road, Nanqu No.2 Industrial Estate, Zhongshan, Guangdong , P. R. China	--

Annex: Product photo



Picture 1.



Picture 2.

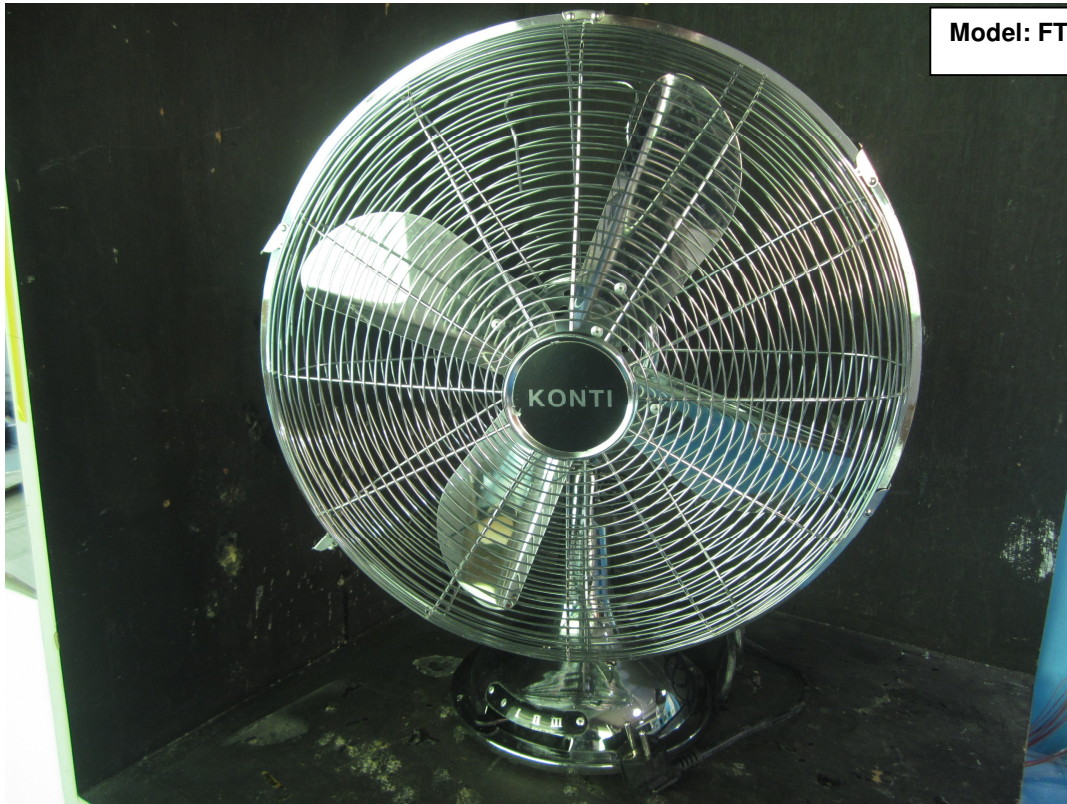


Model: FE30JA

Picture 3.



Picture 4.



Model: FT40JA

Picture 5.



Picture 6.



Model: FS40JA

Picture 7.



Picture 8.

--End of test report--