

Test Report No.:	NT	RF202001	39		Pag	e 1 of 18
Applicant Name:		e Electric Appl				
					ngdong 519070, P.F	R.China
Test item:	•	Heat Pump Air		itioner		
Identification:	_	VH12AAB-K6DN**B		Serial No.:	Engineering	
	· ·	epresent desigr panel;first*=A-				sample
Receipt No.:	RZ0	0004710			Date of receipt:	2020.10.10
Testing location:		e Electric Appl West Road, Qia			ai ngdong 519070, P.F	R.China
Test specification:	Con	mission Regula	ation (I	EU) No 206/20	12	
		mission Delega	ated R	egulation (EU)	No 626/2011	
		14825:2016				
		14511-2,3:2013	5			
	EN	12102-1:2017				
Test Result:	Th	e test items pa	ssed	the test specil	ication(s).	
Testing Laborator	y: Test	ing Center of G	iree El	ectric Applianc	es Inc. of Zhuhai	
tested by:			r	eviewed by:		
2020.10.30	Jesse huang			2020.10.30	Lu zhibin	
Date	Name/Position	Signature		Date	Name/Position	Signature
Other Aspects:						
Abbreviations:	P(ass) = pas F(ail) = failed N/A = not ap N/T =not te	l plicable				
-	e duplicated ir				n of the test cente ot entitle to carry a	

Report NO.: NTRF20200139 Page 2 of 18



	NO 626/2011 &EN 14511 an	d NO 206/2012 & EN 14825				
Clause	Requirement - Test	Result - Remark	Verdict			
Summary of	testing					
1. The applia	nce was tested according to EN 14511.					
	$\chi_{\rm s}$ η s,c and SCOP $\chi_{\rm s}$ η s,h were calculate	d according to EN14825.				
3. All the test	ts were performed on the outdoor model -K6DNA4B/I as representive	-	oor model			
4. The sample	les are engineering samples without seria	al numbers.				
Test item pa	rticulars					
Class of temp	perature	T1				
Туре		Split Air Conditioner				
Degree of pro	otection	Indoor unit:IPX0				
		Outdoor unit:IPX4				
Supply Connection						
Possible tes	t case verdicts:					
- test case do	es not apply to the test object	N/A				
- test object d	loes meet the requirement :	P(Pass)				
- test object d	loes not meet the requirement:	F(Fail)				
Testing	:					
	ot of test item:	2020.10.10				
Date (s) of pe	erformance of tests:	2020.10.20-2020.10.30				
General rem	arks					
≻This ap	pliance is split type air conditioner, which o	consist of one outdoor unit and one ind	oor units.			
≻The ind	oor unit is a wall mounted air conditioner,	which is usually not accessible (only fo	or maintenance			
purpose	e).					
≻Cooling	and heating modes are applied by revers	se cycle method. In the heating mode,	defrost			
operatio	n may be applied.					
≻The ind	oor unit is equipped with an infrared wirel	ess battery powered remote control un	iit.			
Critical com	ponents:					

Model	Compressor model	Indoor fan motor	Outdoor fan motor
GWH12AAB-K6DN**B	FTz-AN088ACBF-A	FN20J-PG	FW30J-ZL

Report NO.: *NTRF20200139* Page 3 of 18

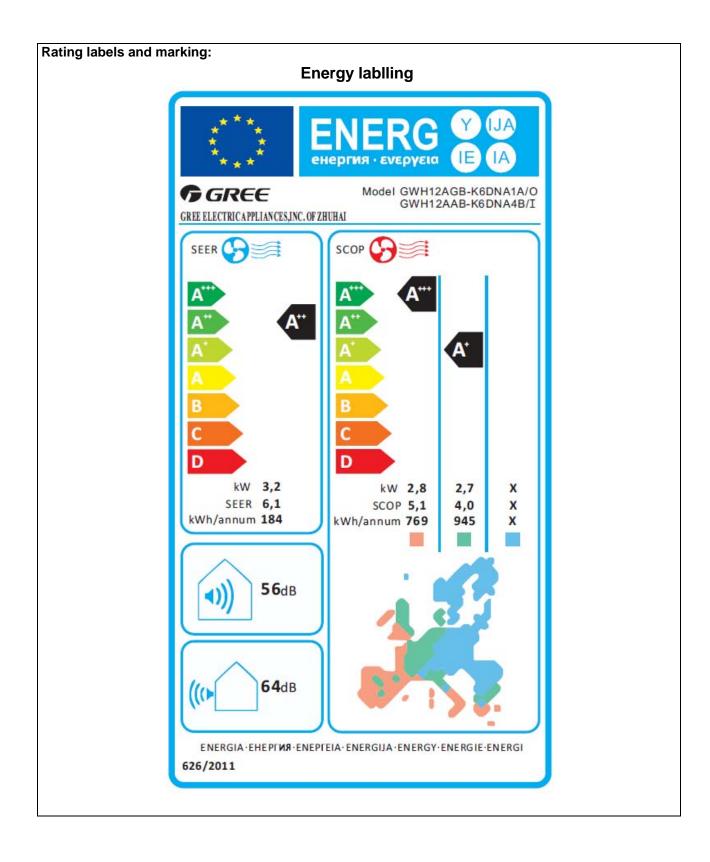


	NO 626/20	011 &EN 14511 and NO 200	6/2012 &	EN 14825	
Clause	Requirement - Test		Resu	lt - Remark	Verdict
Rating labe	els and marking:				
Whole mo		Indoor unit		Outdoor unit	
GWH12AA	AB-K6DN**B	GWH12AAB-K6DN**B/I		GWH12AGB-K6DN	A1A/O
(**represer	nt design code of differe	nt front panel;first*=A-Z,seo	cond*=1-9	3)	
	below may be only a di	-			
		DN**B/I are indetical to the	e represe	ntive model GWH12	AAB-
	as below except for the				
				F GRE	E
			AIR CO	NDITIONER OUTDO	OOR UNIT
			Model	GWH12AGB-K	6DNA1A/O
			Rated Vo	ltage	220-240V~
			Rated Fr	e quen cy	50Hz
			Climate	Гуре	T1
			Weight		25kg
			Isolation		I
			Cooling		3.20kW
			Heating		3.40kW
			ľ v	Power Input	991W
			v v	Power Input Rated Input	916W
			Ŭ Ŭ	Rated Input	1300W
			Refriger		1500W R32
			Refri. Ch		0.55kg
			GWP	an ge	675
			CO ₂ equ	ivalent	0.37tonnes
			Sound Pr	essure Level	51dB(A)
				Protection	IPX4
				m Allowable Pressure	4.3MPa
				1g Pressure rge Side/Suction Side)	4.3/2.5MPa
	G RE	E		tured Date	4.5/2.5MPa YYYY.MM
	IT AIR CONDITIONE	ER INDOOR UNIT	Serial No		1111.0101
Model Dated V		WH12AAB-K6DNA4B/I	GREE EL	ECTRIC APPLIANCES, INC	.OFZHUHAI
Rated Vo	0	eating Capacity 3.40kW ir Flow Volume 590m³/h			
		eight 8kg	12	λ	
		erial No.			
Manufa	ctured Date YYYY.MM ECTRIC APPLIANCES,INC.OF ZHI	ТНАТ	11	T 🕱 🛄 🛄	
GREEELI			((070218
			Contains	fluorinated greenhouse gase	
Add: West Jin	nji Rd, Qianshan, Zhuhai, Guangdong, China	519070 600004072374	Add: West Ji	nji Rd, Qianshan, Zhuhai, Guangdo	ong, China, 519070

TRF No.: EN14511 and EN14825



	NO 626/2011 &EN 14511 and NO 206/20	012 & EN 14825		
Clause	Requirement - Test	Result - Remark	Verdict	





NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825

Clause

Requirement - Test

Result - Remark

Verdict

Article 1	Subject matter and scope						Р
1	This Regulation establishes eco-design requirements for the placing on the market of electric mains-operated air conditioners with a rated capacity of ≤12 kW for cooling, or heating if the product has no cooling function, and comfort fans with an electric fan power	Air conditioner Rated capacit					P
2 Article 2	input ≤ 125W. This Regulation shall not apply to: (a) appliances that use non-electric energy sources; (b) air conditioners of which the condenser-side or evaporator-side, or both, do not use air for heat transfer medium. Definitione For the purposes of	this Dogulation	the definition			tivo	N/A
Article 2	Definitions For the purposes of 2009/125/EC of the European F					ctive	-
Article 3	Ecodesign requirements and tir	metable				Р	
1	The ecodesign requirements for air conditioners and comfort fans are set out in Annex I.						Р
2	Each ecodesign requirement shall apply in accordance with the following timetable:	See table 1					Р
			Double duct air of EER rated	conditioners COP rated	Single duct air c	onditioner COP rated	N/A
		If GWP of refrigerant >150	2,40	2,36	2,40	1,80	
	From 1 January 2013: single	If GWP of refrigerant ≤150	2,16	2,12	2,16	1,62	
	duct and double duct air conditioners shall correspond						N/A
single duct	to requirements as indicated in Annex I, point 2(a).	Off mode		Power consur condition shal	nption of equipment i I not exceed 1,00 W.	n any off-mode	
and double duct air conditioners				The power consumption of equipment in any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function, shall not exceed 1,00 W.			
		Standby mode		condition prov display, or pro reactivation fu	nsumption of equipm iding only information viding only a combin nction and information not exceed 2,00 W.	n or status ation of	
		Availability of standby	and/or off mode	for the intended standby moded not exceed the requirements	all, except where this ed use, provide off mi- e, and/or another com- e applicable power co- for off mode and/or s pment is connected i	ode and/or dition which does onsumption tandby mode	
			Indoor sound p	ower level	in dB(A)]	
		}		65	- \ - /		



NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825

Clause

Requirement - Test

Result - Remark

Verdict

		Requirements	s for maxii	num pov	ver consu	mption in off-	mode and star	dby mode		N/A
		Off mode					r consumption of condition shall			
	From 1 January 2014, single duct and double duct air conditioners and comfort fans shall correspond to	Standby mode	9			condit or pro mere shall r	ower consumpt tion providing or viding only a re indication of en not exceed 0,50	nly a reactivatio activation funct abled reactivat) W.	on function, tion and a tion function,	
	requirements as indicated in Table 7 below, calculated in accordance with Annex II.					condit displa reactiv	ower consumpt tion providing of y, or providing of vation function y, shall not exce	nly information only a combina and information	or status tion of	
				d/or off m	ode	inappi mode condit power and/o	ment shall, exc ropriate for the and/or standby tion which does r consumption r r standby mode acted to the mai	intended use, p mode, and/or not exceed the equirements fo when the equi	provide off another e applicable r off mode pment is	
		Power manage	ement			function are non shall, offer a function shorte the init autom mode excee requiri when power	equipment is n on, or when oth t dependent or unless inapproj a power manage on, that switche est possible per tended use of ti attically into: , or — another – another – another – another – source. The p be activated bef	er energy- usin its functions, e poriate for the inin ement function, s equipment af iod of time app ne equipment, standby mode condition which e power consur node and/or st is connected to wer managem	g product(s) aquipment tended use, or a similar ter the ropriate for , or — off does not mption andby mode the mains	
		-		Require	ments for	minimum ene	rgy efficiency			Р
	single and double duct to requirements as indicated		SEER If GWP of refrigerant > 150 3,60		SC	SCOP (Average heating season) 3,40				
except single and double duct			rigerant		3,24		3,0	06		
air conditioners	in Annex I, point 2(b) and points 3(a), 3(b), 3(c); (b) single ducts and double ducts	ucts Requirements for maxi				naximum sou	ximum sound power level			
	shall correspond to requirements as indicated in	Ra	ted capac	ity≪6KW	1		6 <rated ca<="" td=""><td>pacity≪12KW</td><td>1</td><td></td></rated>	pacity≪12KW	1	
	Annex I, points 3(a), 3(b), 3(d); (c) comfort fans shall correspond to requirements as indicated in Annex I, points	Indoor sound level in dE		powe	oor sound er level in IB(A)	powe	oor sound er level in dB(A)	Outdoor power lo dB(evel in	
	3(a), 3(b), 3(e).	60			65		65	70)	
			Air cond	Requi		or minimum en Double duc		Single duct	air	Р
	From 1 January 2014: (a) air conditioners shall correspond		double a air cond	and single litioners SCOP	duct (heating	conditioners		conditioners		
	to ecodesign requirements as indicated in Annex I, point 2(c); (b) single duct and	If GWP of refrigerant > 150 for < 6	SEER 4,60	Ave	ason: erage) ,80	EERrated 2,60	COPrated 2,60	EERrated 2,60	COPrated 2,04	
	double duct air conditioners shall correspond to requirements as indicated in Annex I, point 2(d).	kW If GWP of refrigerant ≤ 150 for < 6 kW	4,14	3	,42	2,34	2,34	2,34	1,84	
		If GWP of refrigerant > 150 for 6-12 kW	4,30	3	,80	2,60	2,60	2,60	2,04	
		If GWP of refrigerant ≤ 150 for 6-12 kW	3,87	3	,42	2,34	2,34	2,34	1,84	



ause	Requirement - Test	Result - Remark	Verdi	
3	Compliance with ecodesign requirements shall be measured and calculated in accordance with requirements set out in Annex II.		Р	
Article 4	Conformity assessment		Р	
1	The conformity assessment procedure referred to in Article 8 of Directive 2009/125/EC shall be the internal design control set out in Annex IV to that Directive or the management system set out in Annex V to that Directive.		Р	
2	For the purposes of conformity assessment pursuant to Article 8 of Directive 2009/125/EC, the technical documen-tation file shall contain the results of the calculation set out in Annex II to this Regulation.		P	
Article 5				
	Regulation when performing the	erification procedure described in Annex III to this market surveillance checks referred to in Article 3(2) of liance with requirements set out in Annex I to this	Р	
Article 6	Benchmarks		-	
		est-performing air conditioners available on the market at s Regulation are set out in Annex IV.	-	
Article 7	Revision		-	
	present the result of this review to from the date of the entry into for the efficiency and sound power I global warming potential (GWP) conditioners and possible chang conditioners above 12 kW rated appropriateness of the standby a measurement method, including calculation	is Regulation in the light of technological progress and to the Ecodesign Consultation Forum no later than 5 years rcc of this Regulation. The review shall in particular assess evel requirements, the approach to promote the use of low- refrigerants and the scope of the Regulation for air es in market share of types of appliances, including air output power. The review shall also assess the and off mode requirements, seasonal calculation and considerations on the development of a possible seasonal I air conditioners in the scope for cooling and heating	-	
Article 8	Entry into force and application		Р	
	 This Regulation shall enter int Official Journal of the European It shall apply from 1 January 2 		Р	
Annex I	Ecodesign requirements		Р	
1	Definitions applicable for the purposes of the annexes		Р	
2	Requirements for minimum energy efficiency, maximum power consumption in off- mode and standby mode and for maximum sound power		P	



Clause	Requirement - Test			D	esult - Re	mark		Verdi		
Jiause	Requirement - Test					illai k		veru		
	(a) From 1 January 2013,		Double du	ct air cond	litioners	Single duct	air conditioner	N//		
	single duct and double duct air conditioners shall		EER rated	ı c	COP rated	EER rated	COP rated			
	correspond to requirements as indicated in Tables 1, 2	If GWP of refrigerant >150	2,40		2,36	2,40	1,80			
	and 3 below, calculated in accordance with Annex II.	lf GWP of refrigerant ≤150	2,16		2,12	2,16	1,62			
	Single duct and double duct air conditioners and comfort fans shall fulfil the	r conditioners and comfort				Imption of equi	oment in any off-mode	N/#		
	requirements on standby and off mode as indicated in Table 2 below. The requirements on minimum energy efficiency	Standby mode			The power co condition pro providing onl indication of exceed 1,00	onsumption of eviding only a reactivation enabled reactivation W.	equipment in any activation function, or I function and a mere ration function, shall no	it		
	and maximum sound power shall relate to the standard rating conditions specified in Annex II, Table 2.	maximum sound power relate to the standard				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, shall not exceed 2,00 W.				
		Equipment shall, except where this is inappro for the intended use, provide off mode and/or standby mode, and/or another condition which not exceed the applicable power consumption requirements for off mode and/or standby mo when the equipment is connected to the main power source.				e off mode and/or her condition which doe ower consumption nd/or standby mode				
		Indoor sound power level in dB(A) 65								
	(b) From 1 January 2013, air		Require	ments for	minimum energy	y efficiency		_ P		
	conditioners, except single		SEE	R	SCO	P (Average he	ating season)] '		
	and double duct air conditioners, shall correspond to minimum energy efficiency	If GWP of refrigeran 150	t >	3,60		3,40				
	and maximum sound power level requirements as	If GWP of refrigeran 150	t≤	3,24		3,06		<u>] </u>		
	indicated in Tables 4 and 5 below, calculated in		Requirements for maximum sound power level							
	accordance with Annex II. The	Rated ca	ipacity≪6k	ŚŴ	6<	Rated capa	city≪12KW			
	requirements on energy efficiency shall take into account the reference design	Indoor sound power level in dB(A)		oor d power in dB(A)	Indoor so power lev dB(A)	vel in	Outdoor sound power level in dB(A)			
	conditions specified in Annex II, Table 3 using the 'Average'	60		65	6	5	70			
	heating season where applicable. The requirements on sound power shall relate to	Sound powe 1:2017: Indoor: 56	r level to dB(A)	est res	ult accord	ling to E	N 12102-			
	the standard rating conditions specified in Annex II, Table 2	Outdoor: 64								



lause	Requirement - Test			F	Result - I	Remark			Verdic	
	(c) From 1 January 2014, air		Air condi	ioners, except	s for minimum en Double du	ct air	Single duct		1 N/A	
	conditioners shall correspond		double an air condit		conditione	rs	conditioners	5		
	to requirements as indicated in the table below, calculated		SEER	SCOP(heating season:	EERrated	COPrated	EERrated	COPrated		
	in accordance with Annex II.	If GWP of		Average)					-11	
	The requirements on energy	refrigerant > 150 for < 6	4,60	3,80	2,60	2,60	2,60	2,04		
	efficiency for air conditioners,	kW								
	excluding single and double	If GWP of refrigerant ≤	4,14	3,42	2,34	2,34	2,34	1,84		
	duct air conditioners, shall relate to the reference design	150 for < 6 kW	4,14	5,42	2,34	2,34	2,04	1,04		
	conditions specified in Annex	If GWP of								
	II, Table 3 using the 'Average'	refrigerant > 150 for 6-12	4,30	3,80	2,60	2,60	2,60	2,04		
	heating season where	kW							-	
	applicable. The requirements	If GWP of refrigerant ≤ 150 for 6-12	3,87	3,42	2,34	2,34	2,34	1,84		
	on energy efficiency for single and double duct air	kW								
	conditioners shall relate to the									
	standard rating conditions									
	specified in Annex II, Table 2.									
	(d) From 1 January 2014, single duct and double duct								N/A	
	Requirement	s for maxim	um power con	sumption in off	nption in off-mode and standby mode					
	air conditioners and comfort fans shall correspond to	Off mode			Pow mod	Power consumption of equipment in any off- mode condition shall not exceed 0,50 W.				
	requirements as indicated in Table 7 below, calculated in accordance with Annex II.				The	power consump	tion of equipme	ent in any		
					cond or pr	ition providing o oviding only a re	nly a reactivati activation func	on function, tion and a		
						not exceed 0,50		tion function,		
		Standby mode				power consump				
						condition providing only information or status display, or providing only a combination of reactivation function and information or status				
							display, shall not exceed 1,00 W.			
						Equipment shall, except where this is inappropriate for the intended use, provide off				
		Availability of	standby and	or off mode	mod					
					power and/					
					conr					
								e main ng product(s)		
								are not dependent on its functions, equipment shall, unless inappropriate for the intended use, offer a power management function, or a similar		
					func					
		Power manag	ement		the i	test possible per ntended use of t matically into: —	he equipment,			
					mod exce	e, or — another ed the applicabl	condition which e power consu	n does not mption		
					when	irements for off in the equipment	is connected to	the mains		
						er source. The p be activated be		nent function		
3	Product information								Р	
	(a) From 1 January 2013, as								-	
	regards air conditioners and								P	
	comfort fans, the information									
	set out in points below and									
	calculated in accordance with									
	Annex II shall be provided on: (i) the technical									
	documentation of the product;									
	(ii) free access websites of									
	manufacturers of air									
1	conditioners and comfort fans;								1	



ause	Requirement - Test		Result - Re	mark			Verdi
	1						
	(b) The manufacturer of air conditioners and comfort fans shall provide laboratories performing market surveillance checks, upon request, the necessary information on the setting of the unit as applied for the establishment of declared capacities, SEER/EER, SCOP/COP values and service values and provide contact information for obtaining such information.						P
	(c) Information requirements for air conditioners, except double duct and single duct air conditioners.	See appendix					Ρ
	(d) Information requirements for single duct and double duct air conditioners. Single duct air conditioners shall be named 'local air conditioners' in packaging, product documentation and in any advertisement material, whether electronic or in paper. Manufacturer shall provide information as detailed in the table 2	See appendix					N/A
	(e)Information requirements for comfort fans.	Air conditioner					N/A
Annex II	Measurements and calculation	ons					Р
Annex III	Verification procedure for ma	arket surveillance purpo	oses				Р
Annex IV	Benchmarks						Р
		Air conditioners, excluding double duct and single duct conditioners SEER SCOP 8,50 5,10	3,00(*) 3	er COP 3,15	Single c condit EER 3,15(*)	ioner COP 2,60	N/A
		Benchmark for level of GWI conditioner is GWP≤20. (*) based on efficiency of ev conditioners.	C C				



Article 3	Responsibilities of suppliers	Р
1	Suppliers shall take action as described in points (a) to (g)	-
	(a) a printed label is provided for each air conditioner respecting energy efficiency classes as set out in Annex II. The label shall comply with the format and content of information as set out in Annex III. For air conditioners, except single and double duct air conditioners, a printed label must be provided, at least in the packaging of the outdoor unit, for at least one combination of indoor and outdoor units at capacity ratio 1. For other combinations, the information can be alternatively provided on a free access web site	P
	(b) a product fiche, as set out in Annex IV, is made available. For air conditioners, except single and double duct air conditioners, a product fiche must be provided at least in the packaging of the out door unit, for at least one combinationof indoor and outdoor units at capacity ratio 1. For other combinations, the information can be alternatively provided on a free access web site	P
	(c) technical documentation as set out in Annex V is made available electronically on request to the authorities of the Member States and to the Commission	P
	(d) any advertisement for a specific model of an air conditioner shall contain the energy efficiency class, if the advertisement discloses energy-related or price information. Where more than one efficiency class is possible, the supplier or the manufacturer, as appropriate, shall declare the energy efficiencyclass for heating at least in 'Average' heating season. Information in the cases where end-users cannot be expected to see the product displayed is to be provided as set out in Annex VI	P
	(e) any technical promotional material concerning a specific model of an air conditioner which describes its specific technical parameters shall include the energy efficiency class of that model as set out Annex II	P
	(f) instructions for use are made available	P
	(g) single ducts shall be named 'local air conditioners' in packaging, product documentation and in any advertisement material, whether electronic or in paper.	N/A
2	The energy efficiency class shall be determined as set out in Annex VII.	Р



		l	
3	The format of the label for air conditioners except for single and double duct air conditioners shall be as set out in Annex III.		Ρ
4	For the air conditioners, except for single and double duct air conditioners, the format of the label set out in Annex III shall be applied according to the following timetable:		Ρ
	(a) as regards air conditioners, except single duct and double duct air conditioners, placed on the market from 1 January 2013, labels with energy efficiency classes A, B, C, D, E, F, G shall be in accordance with point 1.1 of Annex III for reversible air conditioners, with point 2.1 of Annex III for cooling-only air conditioners and with point 3.1 of Annex III for heating-only air conditioners;		N/A
	(b) as regards air conditioners, except single duct and double duct air conditioners, placed on the market from 1 January 2015, labels with energy efficiency classes A+, A, B, C, D, E, F, shall be in accordance with point 1.2 of Annex III for reversible air conditioners, with point 2.2 of Annex III for cooling-only air conditioners and with point 3.2 of Annex III for heating-only air conditioners;		N/A
	(c) as regards air conditioners, except single duct and double duct air conditioners, placed on the market from 1 January 2017, labels with energy efficiency classes A++, A+, A, B, C, D, E, shall be in accordance with point 1.3 of Annex III for reversible air conditioners, with point 2.3 of Annex III for cooling-only air conditioners and with point 3.3 of Annex III for heating-only air conditioners;		N/A
	(d) as regards air conditioners, except single duct and double duct air conditioners, placed on the market from 1 January 2019, labels with energy efficiency classes A+++, A++, A+, A, B, C, D shall be in accordance with point 1.4 of Annex III for reversible air conditioners, with point 2.4 of Annex III for cooling-only air conditioners and with point 3.4 of Annex III for heating-only air conditioners.	Cooling mode:A++ Heating mode: Average: A+ Warmmer: A+++ Colder: x	Ρ
5	The format of the label for double duct air conditioners placed on the market from 1 January 2013 with energy efficiency classes A+++, A++, A+, A, B, C, D shall be in accordance with point 4.1 of Annex III for reversible double duct air conditioners, with point 4.3 of Annex III for cooling-only double duct air conditioners and with point 4.5 of Annex III for heating-only double duct air conditioners.		N/A
Annex I	Definitions		



	The definition same to EN14825:2013 & NO 206/2012		Р
Annex II	Energy efficiency classes		Р
	Energy efficiency classes for air conditioners, except double ducts and single ducts.	See energy lable	Р
	Energy efficiency classes for double ducts and single ducts.		N/A
Annex II	Energy label	See the page 3	Р



NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825					
Clause	Requirement - Test	Result - Remark	Verdict		

Test result of part load according to EN 14825: Calculation of SEER in cooling mode:

Full load (Pdesignc): 3200 W		Tdesignc: 35°C		Tested Voltage: 230V	Frequency: 50Hz			
Test item	Indoor DB/WB(℃)	Outdoor DB/W	/B(℃)	Ptest (W)	Tested EER	Cd		
А		35/-		3206	3.23	0,25		
В	27/19	30/-		2420	4.66	0,25		
С	27/19	25/-		1555	6.57	0,25		
D		20/-		833	11.70	0,25		
		Psb= Po	ff =1.94\	N; Pck= 0W; Pto=4.4	44W, Q _{CE} = 184Wh/a			
	Test SEI	ER		6.101				
	Declared S	EER	6.1					
Te	st SEER≥Decl	ared SEER	Pass					
The c	The calculation method of SEER acoording to the clause 6 of EN14825:2016							
Accor	According table 1 of NO 626/2011, the result efficency classes: A++							

Calculation of SCOP in heating mode:

	Full loa	d (Pdesignh): 2700W	Tdesign	h: -10℃	Climate: Average			
	Tbivale	nt: -7℃; TOL: -10℃	C Tested Vol	tage: 230V	Frequenc	sy: 50Hz		
Test item	Indoor DB(℃)	Outdoor DB/WB(℃)	Ptest(w)	Test	ed COP	Cd		
А		-7/-8	2535	2	2.58	0,25		
В		2/1	1412	4	.12	0,25		
С	20/-	7/6	984	4	1.81	0,25		
D	20/-	12/11	1169	6	6.41	0,25		
Е		TOL	2346	2	2.48	0,25		
F		Tbivalent	2535	2	2.58	0.25		
		Psb= Poff=1.94W;	Pck= 0W; Pto=	19.38 W, Q _{HE} =	= 945 Wh/a			
		SCOP			4.001			
	De	eclared SCOP		4.0				
	SCOF	P≥Declared SCOP		Pass				
The calculation method of SEER acoording to the clause 7 of EN14825:2016								
According table 1 of NO 626/2011, the result efficency classes: A+								



	NO 626/2011 &EN 1451	1 and NO 206/2012 & EN 14825	
Clause	Requirement - Test	Result - Remark	Verdict

Calculation of SCOP in heating mode:

	Full lo	oad (Pdesignh): 2800	N To	Tdesignh: 2℃		Warmer		
	Tbival	ent: 2℃; TOL: 2℃	Tested	Voltage: 2	230V Frequenc	cy: 50Hz		
Test item	Indoor DB(℃)	Outdoor DB/WB(℃)	Ptest(V	v)	Tested COP	Cd		
Α		-7/-8	/		/	0,25		
В		2/1	2892	2	2.95	0,25		
С	20/	7/6	1799)	4.93	0,25		
D	20/-	12/11	1169)	6.41	0,25		
E		TOL	2892	2	2.95	0,25		
F		Tbivalent	2892	2	2.95	0.25		
		Psb= Poff=1.94W;	Pck= 0W; F	Pto=19.38	W, Q _{HE} = 768 kWh/a			
		SCOP			5.102			
	De	eclared SCOP		5.1				
	SCOF	P≥Declared SCOP		Pass				
The calculation method of SEER acoording to the clause 7 of EN14825:2016								
According table 1 of NO 626/2011, the result efficency classes: A+++								



NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825					
Clause	Requirement - Test	Result - Remark	Verdict		

Appendix I: information according to clause 3 of NO 206/2012 ANNEX $\rm I$, for air conditioners, except single duct and double duct air conditioners

Functio	on (indicate if	present)		Only for heating mode, if applicable					
Cooling	Y			Average(mandatory)		Y			
Heating		Y		Warmer(if des	signed)	Y			
				Colder(if des	igned)	N			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
	Design load				Seasonal eff	iciency			
Cooling	Pdesignc	3.2	kW	Cooling	SEER	6.1	_		
Heating/average	Pdesignh	2.7	kW	Heating/average	SCOP/A	4.0			
Heating/warmer	Pdesignh	2.8	kW	Heating/warmer	SCOP/W	5.1			
Heating/colder	Pdesignh	х	kW	Heating/colder	SCOP/C	х			
Declared capacit temperature 27(19			indoor rature Tj		Declared energy efficiency ratio (*), at indoor temperature 27(19) °C and outdoor temperature Tj				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Tj=3 5℃	Pdc	3.20	kW	Tj=3 5℃	EERd	3.23	_		
Tj=3 0℃	Pdc	2.42	kW	Tj=3 0℃	EERd	4.66			
Tj=25℃	Pdc	1.55	kW	Tj=25 ℃	EERd	6.57	_		
Tj=20 ℃	Pdc	0.83	kW	Tj=20 ℃	EERd	11.70			
at indoor tem	Declared capacity (*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj			Declared coefficie at indoor temperat					
Tj=-7 ℃	Pdh	2.53	kW	Tj =-7 ℃	COPd	2.58			
Tj=2℃	Pdh	1.41	kW	Tj=2 ℃	COPd	4.12			
Tj =7 ℃	Pdh	0.98	kW	Tj=7 ℃	COPd	4.81			
Tj=12℃	Pdh	1.16	kW	Tj =12 ℃	COPd	6.41			
Tj=operating limit	Pdh	2.34	kW	Tj=operating limit	COPd	2.48	_		
Tj=bivalent temperature	Pdh	2.53	kW	Tj=bivalent temperature	COPd	2.58			

Report NO.: *NTRF20200139* Page 17 of 18



		NO 626/2	2011 &EN 1	4511 and I	NO 206/2012 & EN 14	825		
Clause	Require	ment - Test		Result - Remark Verd			erdict	
	Functio	n (indicate if	present)	Only for heating mode, if applicable				
Coolir			Y		Average(mand	•	Y	
Heati	-		Y		Warmer(if des	• ·	Y	
	-				Colder(if desig	gned)	N	
Item	า	Symbol	Value	Unit	Item	Symbol	Value	Unit
		(*) for heating e 20 °C and c Tj			Declared coefficie season, at indoor te te		0 °C and o	
Tj=2°	°C	Pdh	2.89	kW	Tj=2℃	COPd	2.95	_
Tj=7°	°C	Pdh	1.79	kW	Tj =7 ℃	COPd	4.93	
Tj=12	°C	Pdh	1.16	kW	Tj=12℃	COPd	6.41	_
Tj=operati	ng limit	Pdh	2.89	kW	Tj=operating limit	COPd	2.95	_
Tj=biva tempera		Pdh	2.89	kW	Tj=bivalent temperature	COPd	2.95	
		(*) for heatin e 20 °C and c Tj			Declared coefficient of performance(*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj=-7	°C	Pdh	х	kW	Tj =-7 ℃	COPd	х	
Tj=2°	°C	Pdh	х	kW	Tj=2℃	COPd	х	
Tj=7°	°C	Pdh	х	kW	Tj=7℃	C-OPd	х	
Tj=12	°C	Pdh	х	kW	Tj=12℃	COPd	х	
Tj=operati	ng limit	Pdh	х	kW	Tj=operating limit	COPd	х	
Tj=biva tempera		Pdh	х	kW	Tj=bivalent temperature	COPd	x	
Tj=-15	S℃	Pdh		kW	Tj = -15℃	COPd		
	Biv	alent tempera	ature		Operatin	g limit tempe	erature	
Heating/A	Verage	Tbiv	-7	°C	Heating/Average	Tol	-10	°C
Heating/\	Narmer	Tbiv	2	°C	Heating/Warmer	Tol	2	°C
Heating/	Colder	Tbiv	х	°C	Heating/Colder	Tol	х	°C
	Cycling interval capacity			Cycling	interval effic	iency		
for co	oling	Pcycc	x,x	kW	for cooling	EERcyc	X,X	
for hea	ating	Pcych	x,x	kW	for heating	COPcyc	X,X	
Degrada efficient	cooling	Cdc	0.25		Degradation co- efficient heating (**)	Cdh	0.25	



		NO 626/2011	&EN 14	511 an	d NO 206/2012 & E	N 14825			
Clause	Requireme	nt - Test			Result - Remark			Verdict	
	Function (in	dicate if preser	nt)		Only for h	eating mo	de, if applicabl	e	
Cooling		Y			Average(mand	atory)	Y		
Heating		Y			Warmer(if desi	gned)	Y		
					Colder(if desig	gned)	Ν		
Item	Symbol	Value		Unit	Item	Symbol	Value	Unit	
Electric p		n power modes ve mode'	s other th	nan	Annual	electricity	consumption		
Off mode	P _{OFF}	0.0019	4	kW	Cooling	Q _{CE}	184	kWh/a	
Standby mode	P _{SB}	0.0019	4	kW	Heating/Average	Q _{HE}	945	kWh/a	
Thermostat- off mode	P _{TO}	0.00444/0.0)1938	kW	Heating/Warmer	Q _{HE}	769	kWh/a	
Crankcase heater mode	Рск	0		kW	Heating/Colder	Q _{HE}	x	kWh/a	
Capacity	control (indi	cate one of thr	ee optio	ns)	Other items				
fixed		N			Sound power level (indoor/outdoor)	L _{WA}	56/64	dB(A)	
staged		Ν			Global warming potential	GWP	675	kgCO ₂ eq.	
variable		Y			Rated air flow (indoor/outdoor)		590/1950	m ³ /h	
Contact details for obtaining more information on the setting of the unitGree Electric Appliances Inc. of ZhuhaiJinji West Road, Qianshan, Zhuhai, Guangdong 519070, P.R.ChinaEmail: greerzsykt@cn.gree.com									
'Declared ca (**) If defaul heating or c For units wit	apacity of th t Cd = 0,25 ooling cyclir h capacity o	e unit' and 'deo is chosen then ng test value is control marked	clared El (results required 'staged'	ER/ČC s from) d. ', two v	slash ('/') will be de P' of the unit. cycling tests are no values for the highes clared capacity'.	t required.	Otherwise eith	ner the	

--End of report--