

Test Report No.:	NT	RE201701	92	Pag	re 1 of 17	
Applicant Name:			ances Inc. of Zhul			
	Jinji	West Road, Qia	anshan, Zhuhai, Gu	angdong 519070, P.F	R.China	
Test item:	Mult	i-Split Air Condi	tioner			
Identification:	Oute	door unit:		Serial No.:	Engineering	
	GW	HD(18)NK6LO			sample	
	Indo	or units:				
	GW	H09YC-K6DN**	A/I			
		H12YC-K6DN**				
		epresent design t panel;first*=A-2	code of different Z,second*=1-9)			
Receipt No.:	RZ0	0338311		Date of receipt:	2017.7.30	
Testing location:	Gre	e Electric Appli	ances Inc. of Zhuł	nai		
	Jinji West Road, Qianshan, Zhuhai, Guangdong 519070, P.R.China					
Test specification.	: NO	206/2012				
	NO	626/2011				
	EN	14825:2016				
	EN	14511-1,2,3,4:20	013			
	EN	12102:2013				
Test Result:	Th	e test items pa	ssed the test spec	ification(s).		
Testing Laborator	<i>y:</i> Tes	ting Center of G	ree Electric Applian	ces Inc. of Zhuhai		
tested by:			reviewed by:			
2017-8-25	Wu Caowei		2017-8-25	Lu Zhibin		
Date	Name/Position	Signature	Date	Name/Position	Signature	
Other Aspects:						
Abbreviations:	P(ass) = pas	sod				
Abbieviations.	F(ail) = failed					
	N/A = not ap	plicable				
	N/T =not te	sted				
-			•	ion of the test cente	-	
not permitted to b this or similar proc		extracts. This	test report does r	not entitle to carry a	nny satety mark on	

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	NO	626/2011 &EN 14511 and	NO 206/2012 & EN 148	825				
Clause	Requirement - T	est	Result - Rer	mark	Verdict			
	liance was tested a	ccording to EN 14511. calculated according to E	-N14825					
3. All the m GWH09YC	nodels are indeticia -K6DNA1A/I+GWF	with each other except 12YC-K6DNA1A/I / GW 19 samples without seria	the panels. All the tests HD(18)NK6LO as repres		on the mode			
Class of ter			T1					
	-		Multi-Split Air Condition	or				
Degree of p			Indoor unit:IPX0	61				
Jegree or p	JOLECION		Outdoor unit:IPX4					
Supply Cor	nection		Type Y attachment					
	est case verdicts:		51					
test case	does not apply to th	e test object:	: N/A					
- test object does meet the requirement:			P(Pass)					
- test object does not meet the requirement :			F(Fail)					
Testing								
-		· · ·	2017.7.30					
Date (s) of	performance of test	s:	2017.8.1-2017.8.23					
General re	-							
Þ	This appliance is N	ulti-split type air conditio	ner, which consist of one	e outdoor unit an	d two indoo			
ι	units.							
\succ	The indoor unit is a	wall mounted type air co	onditioner, which is usua	Illy not accessible	e (only for			
r	maintenance purpo	se).						
	-	g modes are applied by r	everse cycle method. In	the heating mod	le, defrost			
	operation may be a							
A.	The indoor unit is e	quipped with an infrared	wireless battery powere	ed remote control	unit.			
Critical co	mponents:							
Model		Compressor model	Indoor fan motor	Outdoor fan	motor			
Outdoor u	init:	QXF-B141zF030A	FN20V-ZL	FW30)J-ZL			
GWHD(18								
Indoor uni								
	C-K6DN**A/I C-K6DN**A/I							
GWIIIZY								



	NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825						
Clause	Requirement - Test		Resu	llt - Remark	Verdict		
Rating labe	ls and marking:						
Match table				Γ			
Whole mo	del	Indoor unit		Outdoor unit			
	NK6LO	GWH09YC-K6DN**A/I GWH12YC-K6DN**A/I		GWHD(18)NK6LO			
(**represer	nt design code of diffe	rent front panel;first*=A-Z,s	second*=1-	9)			
The labels of representive for the mode SPLIT Model Rated Volta Rated Freq Cooling Caj Heating Ca Air Flow Vo Sound Press Weight Manufactur	e model GWH09YC-K el name. DGREE AIR CONDITIONER NDOOR UNIT GWH09YC-K6DNA1A/I Ige 220-240V~ uency 50Hz pacity 2700W pacity 2930W Hume 660m ³ /h sure Level(H) 39dB(A) 10.5kg w M	draft. SDN**A/I+GWH12YC-K6DN 6DNA1A/I+GWH12YC-K6DN 6DNA1A/I+GWH12YC-K6DN SPLITAIR CONDITIONER INDOOR UNIT Iodel GWH12YC-K6DNA1A/I (ated Voltage 220-240V~ (ated Frequency 50Hz (soling Capacity 3500W) (eating Capacity 3810W) (ir Flow Volume 680m ³ /h ound Pressure Level(H) 39dB(A) (veight 11kg Ianufactured Date	DNA1A/I / G Model Rated Voltage Rated Frequency Climate Type Weight Isolation Refrigerant Refri. Charge GWP Maximum Allow Operating Presso Manufactured Date	WHD(18)NK6LO as be CONDITIONER OUTDO GWHD(18)NK6LO 220-240V~ Cooling Capacity 50Hz Heating Capacity T1 Cooling Power Input 43kg Heating Power Input I Cooling Rated Input R32 Heating Rated Input 1.05kg CO ₂ equivalent 675 Sound Pressure Level wable Pressure ure (Discharge Side/Suction Side) Moisture Protection	elow except		
CE		REE ELECTRIC APPLIANCES, INC. OF ZHUHAI	GREE ELE	ntains fluorinated greenhouse gases CTRIC APPLIANCES,INC. OF ZH Shan, Zhuhai, Guangdong, China, 519070 60000	UHAI		
		Model GWHDY GWH3 GWH3 GWH3 GWH3 GWH3 GWH3 GWH3 GWH3	A 3,8 X 4,0 X 1330 X				

TRF No.: EN14511 and EN14825



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

Clause

Requirement - Test

Result - Remark

Verdict

	COMMISS	SION REGULAT	ION (EU) No	206/2012			
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 \leq 12 kW for cooling, or heating if the product has no cooling function, and comfort fans with an electric fan power input \leq 125W.	Air conditioner Rated capacity	≤12 kW				P
2	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.						N/A
Article 2	Definitions For the purposes of this Regulation, the definitions in Article 2 of Directive 2009/125/EC of the European Parliament and of the Council shall apply.						-
Article 3	Ecodesign requirements and tir	netable					
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:						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	lf 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	Off mode			ption of equipment in a not exceed 1,00 W.	any off-mode	
and double duct air conditioners	in Annex I, point 2(a).	Otenthermode		providing only a reactivation fun	sumption of equipmer a reactivation function ction and a mere india ction, shall not exceed	, or providing only a cation of enabled	
		Standby mode		providing only i only a combina	sumption of equipmer nformation or status d tion of reactivation fur y, shall not exceed 2,0	isplay, or providing action and information	
		Availability of standby and/or off 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.					
		In	door sound po	wer level in dl	B(A)		
				35		—	



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

Clause

Requirement - Test

Result - Remark

Verdict

		Requiremen	nts for max	imum pov	ver cons	umption i	n off-mode an	d standby mo	ode		N/	
		Off mode					Power c condition	onsumption of a shall not exce	equipment in any eed 0,50 W.	off-mode		
	From 1 January 2014, single duct and double duct air conditioners and comfort fans						providing a reactiv	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 0,50 W.				
	shall correspond to requirements as indicated in Table 7 below, calculated in	Standby mode				providing providing	g only informat g only a combi	n of equipment in ion or status displ nation of reactivat us display, shall n	ay, or ion function			
	accordance with Annex II.	Availability of standby and/or off mode					the inter mode, a exceed t requirer	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.				
		Power management					when otil depende inapprop manage switches of time a equipme off mode exceed t requirem the equi source.	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, or — off mode, 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. The power management function shall be activated before delivery.				
				Require	ments fo	r minimu	m energy effic	iency			Р	
except single and double duct air conditioners	From 1 January 2013: (a) air				SEER	2	SCOP (Ave	erage heating	season)			
	conditioners, except single and double duct air conditioners, shall correspond	If GWP of r > 150	efrigerant		3,60			3,40				
	conditioners, shall correspond to requirements as indicated in Annex I, point 2(b) and	lf GWP of r ≤ 150	efrigerant		3,24			3,06				
	points 3(a), 3(b), 3(c); (b) single ducts and double ducts	Requirements for maximum sound power level							P			
	shall correspond to requirements as indicated in Annex I, points 3(a), 3(b), 3(d); (c) comfort fans shall correspond to requirements as indicated in Annex I, points	Rated capacity≪6KW				6 <rat< td=""><td colspan="3">6<rated capacity≤12kw<="" td=""><td></td></rated></td></rat<>	6 <rated capacity≤12kw<="" td=""><td></td></rated>					
		Indoor sour level in		pow	oor soun er level i IB(A)		Indoor soun power level i dB(A)		utdoor sound ower level in dB(A)			
	3(a), 3(b), 3(e).	60)		65		65		70			
		Requirements for minimum energy efficiency										
	From 1 January 2014: (a) air		double a	tioners, ex nd single	cept	Double conditio	duct air	Single duct conditioners			P	
	conditioners shall correspond to ecodesign requirements as		air condi SEER	SCOP(I seas Aver	ion:	EER rated	COPrated	EERrated	COPrated			
	indicated in Annex I, point 2(c); (b) single duct and double duct air conditioners	If GWP of refrigerant > 150 for < 6 kW	4,60	3,8		2,60	2,60	2,60	2,04			
	shall correspond to requirements as indicated in Annex I, point 2(d).	If GWP of refrigerant ≤ 150 for < 6 kW	4,14	3,4	2	2,34	2,34	2,34	1,84			
		If GWP of refrigerant > 150 for 6-12 kW	4,30	3,8	80	2,60	2,60	2,60	2,04			
		If GWP of refrigerant ≤ 150 for 6-12 kW	3,87	3,4	2	2,34	2,34	2,34	1,84			
3	Compliance with ecodesign requirements shall be measured and calculated in accordance with requirements set out in Annex II.										P	



Clause	Requirement - Test			Result	- Remark		Ver	dict
0.0.000								
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	Verification procedure for marke	et surveilland	e purposes	;	_	_		Р
	Member States shall apply the w when performing the market sur 2009/125/EC for compliance wit	rveillance ch	ecks referre	ed to in Artic	cle 3(2) of Di	irective	ion	Р
Article 6	Benchmarks							-
	The indicative benchmarks for best-performing air conditioners available on the market at the time of entry into force of this Regulation are set out in Annex IV.							-
Article 7	Revision							_
	The Commission shall review the result of this review to the Ecode entry into force of this Regulation power level requirements, the a (GWP) refrigerants and the scop market share of types of appliar The review shall also assess the seasonal calculation and measu possible seasonal calculation and measurement method for a	esign Consu on. The revie pproach to p pe of the Re nces, includii e appropriate urement met	Itation Foru w shall in p promote the gulation for ng air condi eness of the hod, includi	Im no later t articular ass use of low- air conditio tioners abo standby an ng consider	than 5 years sess the efficiency global warn ners and po ve 12 kW rain nd off mode rations on th	from the da ciency and s ning potentia ssible chang ted output p requiremen e developm	ate of the sound al ges in ower. ts, ent of a	-
Article 8	Entry into force and application							Р
	 This Regulation shall enter in Journal of the European Union. It shall apply from 1 January 3 		he 20th day	/ following it	s publicatior	n in the Offic	cial	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 level							Р
	(a) From 1 January 2013,		Double duct air	conditioners	Single duct air o	conditioner		N/A
	single duct and double duct air conditioners shall correspond to requirements as indicated in Tables 1, 2	If GWP of refrigerant >1	EER rated 2,40	COP rated	EER rated	COP rated 1,80	-	
	and 3 below, calculated in accordance with Annex II. Single duct and double duct	50 If GWP of refrigerant ≤150	2,16	2,12	2,16	1,62	-	



	NO 626/2011 &	EN 1451	1 and	NO 206/2	2012 8	& EN 14	825			
Clause	Requirement - Test				Res	sult - Re	mark		Ve	rdict
r	1	i								
	air conditioners and comfort fans shall fulfil the									N/A
	requirements on standby and				Power consumption of equipment in any off-more condition shall not exceed 1,00 W.		mode			
	off mode as indicated in Table 2 below. The requirements on minimum energy efficiency		Standby mode			The power consumption of equipment in any co providing only a reactivation function, or providi reactivation function and a mere indication of er reactivation function, shall not exceed 1,00 W.			viding only a f enabled	
	and maximum sound power shall relate to the standard rating conditions specified in	Standby mo				The power consumption of equipment in any co providing only information or status display, or only a combination of reactivation function and or status display, shall not exceed 2,00 W.			or providing	
	Annex II, Table 2.					Equipment shall, except where this is inapprop intended use, provide off mode and/or standby and/or another condition which does not excee applicable power consumption requirements fo and/or standby mode when the equipment is o the mains power source.			by mode, eed the for off mode	
									_	
			I	ndoor sound	d powe	r level in	dB(A)			1
					65					
	(b) From 1 January 2013, air			Requirements for	or minimu	m energy effic	iency			Б
	conditioners, except single			SEER		SCOP (Av	erage heating	season)		P
	and double duct air	If GWP of re	efrigerant >				0 0	,		
	conditioners, shall correspond	150		3,60			3,40			
	to minimum energy efficiency									
	and maximum sound power	If GWP of re 150	efrigerant ≤	3,24			3,06			
	level requirements as indicated in Tables 4 and 5		Dequirements for maximum sound never level							Р
	below, calculated in	Requirements for maximum sound power level							_	Р
	accordance with Annex II. The	Ra	ited capa	icity≪6KW		6 <rate< td=""><td>d capacity</td><td>≤12KW</td><td></td><td></td></rate<>	d capacity	≤12KW		
	requirements on energy	Indoor so		Outdoor	Ir	idoor sound		door sound	_	
	efficiency shall take into	power lev		sound powe	er p	ower level ir		er level in		
	account the reference design	dB(A)		level in dB(A	A) d	B(A)	dB(A)		
	conditions specified in Annex	60)	65		65		70		
	II, Table 3 using the 'Average'									
	heating season where			evel test re	esult a	ccording	to EN 1	2102:201	3:	
	applicable. The requirements on sound power shall relate to	Indoor:		. ,						
	the standard rating conditions	Outdoor	: 65	dB(A)						
	specified in Annex II, Table 2			Requirements for	r minimum	energy efficien	cv			
	(c) From 1 January 2014, air conditioners shall correspond			litioners, except and single duct		duct air	Single duct conditioners			Р
	to requirements as indicated		air condi			1				
	in the table below, calculated		SEER	season: Average)	EER rated	COPrated	EERrated	COPrated		
	in accordance with Annex II.	If GWP of								
	The requirements on energy	refrigerant > 150 for	4,60	3,80	2,60	2,60	2,60	2,04		
	efficiency for air conditioners,	< 6 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	-,	0,42	2,04	2,04	2,04	1,04		
	conditions specified in Annex	If GWP of								
	II, Table 3 using the 'Average'	refrigerant > 150 for	4,30	3,80	2,60	2,60	2,60	2,04		
	heating season where	6-12 kW								
	applicable. The requirements	If GWP of refrigerant	2.07	2.40	0.04	0.04	0.04	4.94		
	on energy efficiency for single	≤ 150 for 6-12 kW	3,87	3,42	2,34	2,34	2,34	1,84		1
	and double duct air		1	1	1	<u>I</u>	I	I]		1
	conditioners shall relate to the									1
	standard rating conditions specified in Annex II, Table 2.									
L	specified in Annex II, Table 2.									1



NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825 Result - Remark Clause Requirement - Test Verdict (d) From 1 January 2014, N/A single duct and double duct Requirements for maximum power consumption in off-mode and standby r air conditioners and comfort Power consumption of equipment in any off-mode condition shall not exceed 0,50 W. Off mode fans shall correspond to requirements as indicated in 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 0,50 W. Table 7 below, calculated in accordance with Annex II. Standby mode The power consumption of equipment in any condition providing only information or status display, o 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 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 Availability of standby and/or off mode source 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, or — off mode, 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. The power management function shall be activated before delivery. Power management Product information Ρ 3 requirements (a) From 1 January 2013, as Ρ regards air conditioners and 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 conditioners and comfort fans; (b) The manufacturer of air Ρ 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. (c) Information requirements See appendix Ρ for air conditioners, except double duct and single duct air conditioners.



	NO 626/2011 &	EN 14511 and NO	206/2012	& EN 1482	5	
Clause	Requirement - Test		Re	sult - Rema	ark	Verdict
	(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/
	(e)Information requirements for comfort fans.	Air conditioner				N/
Annex II	Measurements and calculation	ons				F
Annex III	Verification procedure for ma	arket surveillance	ourposes			F
Annex IV	Benchmarks					F
		Air conditioners, excluding double duc and single duct conditioners SEER SCOP 8,50 5,10 Benchmark for level of GWP≤20. (*) based on efficience	EER 3,00(*) of GWP of the	-	EER 3,15(*) ed in the air	



	COMMISSION DELEGATED REGULATI	
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	Ρ
	(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	Ρ
	(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	Ρ
	(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	Ρ
	(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	Ρ
	(f) instructions for use are made available	Р
	(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.	Ρ



3	The format of the label for air conditioners	P
	except for single and double duct air conditioners shall be as set out in Annex III.	
	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;	Ρ
	(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.	N/A
	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	N/A
	duct air conditioners and with point 4.5 of Annex III for heating-only double duct air conditioners.	



	The definition same to EN14825:2016 & 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 le	Full load (Pdesignc):5200 W; Tdesignc: 35℃									
Test item	Indoor DB/WB(℃)	Outdoor DB/WB(℃)		Outdoor DB/WB(℃)		Ptest (W)	Tested EER	Cd		
А		35/-		35/-		5292.3	3.149	0,25		
В	27/19	30/-		3906.4	4.096	0,25				
С	27/19	25/-		2571.1	8.129	0,25				
D		20/-		1719.3 12.597		0,25				
		Psb= Poff :	= 8.946V	/; Pck= 0W; Pto= 6.0	138W, Q _{CE} =298kWh/a					
	Test SEER 6.102									
	Declared SEER 6.1									
Те	Test SEER≥Declared SEER Pass									
The c	The calculation method of SEER acoording to the clause 6 of EN14825:2016									
Acco	According table 1 of NO 626/2011, the result efficency classes: A++									

Calculation of SCOP in heating mode:

Full load (Pdesignh):3800W;Tdesignh: -10℃; Climate: Average; Tbivalent: -7℃; TOL: -10℃									
Test item	Indoor DB(℃)	Outdoor DB/WB(℃)	Ptest(w)		Tested COP	Cd			
А		-7/-8		3394.6 2.973		0,25			
В		2/1	2056.0)	4.051	0,25			
С	20/-	7/6	1326.3	3	4.656	0,25			
D	20/-	12/11	1226.0	1226.0 5.65		0,25			
E		TOL	3004.2	2	2.697	0,25			
F		Tbivalent	3394.6		2.973	0.25			
		Psb= Poff=8.946W;	Pck= 0W; Pto	o=19.440	04W, Q _{HE} = 1329 kWh/a	3			
		SCOP			4.003				
Declared SCOP 4.0									
SCOP≥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 206/2	012 & EN 14825	
Clause	Requirement - Test	Result - Remark	Verdict

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

-				1				
Functio	on (indicate if	present)		Only for heating mode, if applicable				
Cooling		Y		Average(man	datory)	Y		
Heating	Y			Warmer(if des	signed)	Ν		
				Colder(if des	igned)	Ν		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
	Design load				Seasonal eff	iciency		
Cooling	Pdesignc	5.2	kW	Cooling	SEER	6.1		
Heating/average	Pdesignh	3.8	kW	Heating/average	SCOP/A	4.0		
Heating/warmer	Pdesignh	X,X	kW	Heating/warmer	SCOP/W	x,x		
Heating/colder	Pdesignh	x,x	kW	Heating/colder	SCOP/C	X,X		
	Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj			Declared energy efficiency ratio (*), at indoc temperature 27(19) °C and outdoor temperature Tj				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Tj=3 5℃	Pdc	5.29	kW	Tj=3 5℃	EERd	3.14		
Tj=3 0℃	Pdc	3.90	kW	Tj=3 0℃	EERd	4.09		
Tj =25 ℃	Pdc	2.57	kW	Tj =25 ℃	EERd	8.12		
Tj=20 ℃	Pdc	1.71	kW	Tj=20 ℃	EERd	12.59		
at indoor tem	Declared capacity (*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj			Declared coefficient of performance(*)/Average season at indoor temperature 20 °C and outdoor temperature 7				
Tj=-7 ℃	Pdh	3.39	kW	Tj=-7 ℃	COPd	2.97		
Tj=2 ℃	Pdh	2.05	kW	Tj=2 ℃	COPd	4.05		
Tj=7 ℃	Pdh	1.32	kW	Tj=7 ℃	COPd	4.65		
Tj=12℃	Pdh	1.22	kW	Tj =12 ℃	COPd	5.65		
Tj=operating limit	Pdh	3.00	kW	Tj=operating limit	COPd	2.69		
Tj=bivalent temperature	Pdh	3.39	kW	Tj=bivalent temperature	COPd	2.97	_	

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		NO 626/2	2011 &EN 1	4511 and I	NO 206/2012 & EN 14	1825			
Clause	Require	ment - Test		Result - Remark Verdict					
	Functio	n (indicate if	present)	Only for heating mode, if applicable					
Coolir		,	Y Y		Average(mandatory) Y				
Heati	-		Y			Warmer(if designed)			
	-				Colder(if desig	gned)	N		
Item	ı	Symbol	Value	Unit	Item	Symbol	Value	Unit	
		*) for heating 20 °C and c Tj			Declared coefficie season, at indoor te te		0 °C and o		
Tj=2°	°C	Pdh	x,x	kW	Tj=2℃	COPd	X,X	_	
Tj=7°	°C	Pdh	x,x	kW	Tj=7℃	COPd	X,X	_	
Tj=12	°C	Pdh	x,x	kW	Tj=12℃	COPd	X,X	_	
Tj=operati	ng limit	Pdh	x,x	kW	Tj=operating limit	COPd	X,X	_	
Tj=biva tempera		Pdh	X,X	kW	Tj=bivalent temperature	COPd	X,X	_	
	Declared capacity (*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance(*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				
Tj=-7	°C	Pdh	x,x	kW	Tj =-7 ℃	COPd	x,x		
Tj=2°	°C	Pdh	x,x	kW	Tj=2℃	COPd	x,x	_	
Tj=7°	°C	Pdh	x,x	kW	Tj =7 ℃	C-OPd	X,X	_	
Tj=12	°C	Pdh	x,x	kW	Tj=12℃	COPd	X,X	_	
Tj=operati	ng limit	Pdh	x,x	kW	Tj=operating limit	COPd	X,X	_	
Tj=biva tempera		Pdh	X,X	kW	Tj=bivalent temperature	COPd	X,X	_	
Tj=-15	5°C	Pdh		kW	Tj=-15℃	COPd		_	
	Biva	alent tempera	ature		Operatin	g limit tempe	erature		
Heating/A	Average	Tbiv	-7	°C	Heating/Average Tol		-10	°C	
Heating/\	Narmer	Tbiv	х	°C	Heating/Warmer	Tol	х	°C	
Heating/	Colder	Tbiv	х	°C	Heating/Colder	Tol	х	°C	
	Cyclii	ng interval ca	apacity		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 COPcy		X,X		
efficient	Degradation co- efficient cooling (**)		Х,Х		Degradation co- efficient heating (**)		x,x		



		NO 626/2011	&EN 14	511 an	d NO 206/2012 & E	N 14825			
Clause	Requireme	ent - Test		Result	Verdict				
	Function (in	dicate if preser	nt)	Only for heating mode, if applicable					
Cooling		Y			Average(mand	atory)	Y	Y	
Heating		Y			Warmer(if desi	gned)	Ν	N	
					Colder(if designed)		Ν	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}	0.00894	·6	kW	Cooling	Q _{CE}	298	kWh/a	
Standby mode	P _{SB}	0.00894	6	kW	Heating/Average	Q _{HE}	1330	kWh/a	
Thermostat off mode	P _{TO}	0.0060138/0.0	0.0060138/0.0194404		Heating/Warmer	Q _{HE}	Х	kWh/a	
Crankcase heater mode	Р _{ск}	Р _{ск} 0		kW	Heating/Colder	Q _{HE}	х	kWh/a	
Capacity	control (ind	icate one of thr	ee optio	ns)	Other items				
fixed	fixed N				Sound power level (indoor/outdoor)	L _{WA}	58/65	dB(A)	
staged		Ν			Global warming potential	GWP	675	kgCO ₂ eq.	
variable Y					Rated air flow (indoor/outdoor)	_	660 680 /2600	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: joannani@gree.com.cn									
'Declared c (**) If defau heating or c For units wi	apacity of th It Cd = 0,25 cooling cycling th capacity	e unit' and 'deo is chosen then ng test value is control marked	clared El (results required 'staged'	ER/ČC from) J. , two v	slash ('/') will be de PP' of the unit. cycling tests are no values for the highes clared capacity'.	t required.	Otherwise eit	her the	

--End of report--