

Te	est Report No.:	Test Report No.: NTRF202306003 Page 1 of 17						
A	oplicant Name:	Gre	e Electric Appli	ances Inc. of Zhuh	ai			
		Jinji	West Road, Qia	nshan, Zhuhai, Gua	angdong 519070, P.I	R.China		
Te	est item:	Split	t Air Conditioner					
Id	entification:	GW	H09APAXE-K6D	N**B	Serial No.:	Engineering		
			epresent design o t panel;first*=A-Z			sample		
R	eceipt No.:	RZ0	0033155		Date of receipt:	2023.06.01		
Te	esting location:	Gre	e Electric Appli	ances Inc. of Zhuh	ai			
Jinji West Road, Qianshan, Zhuhai, Guangdong 519070, P.R.China								
Te	Test specification: Commission Regulation (EU) No 206/2012							
	Commission Delegated Regulation (EU) No 626/2011							
	EN 14825:2016							
	EN 14511-2,3:2013							
	EN 12102-1:2017							
Te	est Result:	Th	e test items pas	sed the test speci	fication(s).			
Te	esting Laboratory:	Test	ting Center of Gr	ee Electric Applianc	ces Inc. of Zhuhai			
te	sted by:			reviewed by:				
	2023.06.01	Lin Sh	ijie	2023.06.01	Lu Zhibin			
	Date	Name/ Positio n	Signature	Date	Name/Position	Signature		
0	ther Aspects:		1	•	•	•		
Ab	breviations:	P(ass)	= passed					
"		F(ail) =	: failed					
			not applicable					
		N/T =	not tested					

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.

TRF No.: EN 14511 & EN 14825

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

Summary of testing

- 1. The appliance was tested according to EN 14511.
- 2. The SEER and SCOP were calculated according to EN14825.
- 3. All the models are indeticial with each other except the panels. All the tests were performed on the model GWH12APAXE-K6DNA1B as representive.
- 4. The samples are engineering samples without serial numbers.

Test item particulars	
Class of temperature	T1
Type:	Split Air Conditioner
Degree of protection	Indoor unit:IPX0 Outdoor unit:IPX4
Supply Connection:	Type Y attachment
Possible test case verdicts:	
- test case does not apply to the test object:	N/A
- test object does meet the requirement:	P(Pass)
- test object does not meet the requirement:	F(Fail)
Testing:	
Date of receipt of test item:	2023.04.05
Date (s) of performance of tests:	2023.04.05-2023.04.21

General remarks

Critical components:

Model	Compressor model	Indoor fan motor	Outdoor fan motor
GWH12APAXE- K6DN**B	GSD098XKUA7JL6B	FN15Q-ZL	B-LW40R-ZL(10P)

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	NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825						
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Rating labels and marking:

Match table:

	Whole model	Indoor unit	Outdoor unit				
	GWH12APAXE-K6DN**B	GWH12APAXE-K6DN**B/I	GWH12APAXE-K6DNA3A/O				
l	(**represent design code of different front papel first*= A. Z. coond*=1.0)						

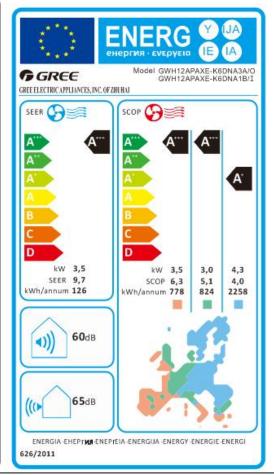
(**represent design code of different front panel;first*=A-Z,second*=1-9)

The artwork below may be only a draft.

The labels of other GWH12APAXE-K6DN**B are indetical to the representive model GWH12APAXE-K6DNA1B as below except for the model name.



G GREE	
Model GWH12APAXE-I	C6DNA3A/O
Rated Voltage	220-240V~
Rated Frequency	50Hz
Climate Type	T1
Cooling Capacity	3.52kW
Heating Capacity	3.80kW
Cooling Power Input	720W
Heating Power Input	810W
Cooling Rated Input	1300W
Heating Rated Input	1600W
Maximum Allowable Pressure	4.3MPa
Operating Pressure	
(Discharge Side/Suction Side)	4.3/2.5MPa
Sound Pressure Level	56dB(A)
Moisture Protection	IPX4
Isolation	I
Refrigerant	R32
Refri. Charge	1.00kg
Weight	36kg
GWP	675
CO2 equivalent	0.68tonnes
Manufactured Date	YYYY.MM
Serial No.	
GREE ELECTRIC APPLIANCES, IN	
Add: West Jinji Rd, Qianshan, Zhuhai, Guang	



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

	COMMISSIC	N REGULATIO	N (EU) No 2	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 ≤12 kW for cooling, or heating if the product has no cooling function, and comfort fans with an electric fan power input ≤125W.	Air conditioner Rated capacity					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.	W. D					N/A
Article 2		es of this Regulation, the definitions in Article 2 of Directive ean 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:	See table 1					
	-		Double duct air EER rated	conditioners COP rated	Single duct air o	conditioner 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						
single duct	to requirements as indicated	Off mode		Power consumption of equipment in any off-mode condition shall not exceed 1,00 W.			
and double duct air conditioners	in Annex I, point 2(a).	Standby mode		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.			
				The power cor condition provi display, or prov reactivation fur display, shall n			
		Availability of standby and/or off mode Availability of standby and/or off mo					
			ndoor sound	power level	in dB(A)		
		<u>'</u>		65			
							-

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

		Requirements for maximum power consumption in off-mode and standby mode							N/A		
		Off mode					consumption c				
	From 1 January 2014, single duct and double duct air conditioners and comfort fans shall correspond to	Standby mode					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.				
	requirements as indicated in Table 7 below, calculated in accordance with Annex II.					condit displa reactiv	ower consumpt ion providing or y, or providing or vation function a y, shall not exce	nly information only a combina and information	or status ition of		
		Availability of	standby an	d/or off mo	de	inappr mode condit power and/or	ment shall, excoopriate for the interest and/or standby ion which does consumption or standby mode cted to the mainterest and the standby mode cted to the mainterest appropriate to the standby mode and the standby mode	mode, and/or not exceed the equirements for when the equi	provide off another e applicable or off mode ipment is		
		Power manag	ement			function are not shall, offer a function shorted the introduced mode, excee requiring when power	equipment is n n, or when oth t dependent or unless inapprop power manage m, that switche st possible periended use of it atically into:—or—another of the applicable ments for off in the equipment is source. The eactivated bef	er energy-usir its functions, in oriate for the in oriate for the in ement function is equipment all od of time appie equipment, standby mode condition which is power consultation and/or stands is connected to ower managem	ng product(s) equipment itended use, , or a similar fter the ropriate for e, or — off n does not mption andby mode to the mains		
				Requirem	ents for r	minimum ene	nimum energy efficiency			Р	
	From 1 January 2013: (a) air conditioners, except single and double duct air conditioners, shall correspond to requirements as indicated in Annex I, point 2(b) and points 3(a), 3(b), 3(c); (b) single ducts and double ducts				SEER	SC	SCOP (Average heating season)		on)		
except		If GWP of refrigerant > 150 3,60			3,40						
single and double duct		If GWP of refrigerant ≤ 150 3,24			3,06						
air conditioners		Requirements for maxin				naximum sou	mum sound power level			Р	
	shall correspond to requirements as indicated in	Rated capacity≤6KW				6 <rated capacity≤12kw<="" td=""><td></td></rated>					
	Annex I, points 3(a), 3(b), 3(d); (c) comfort fans shall correspond to requirements	3(d); (c) comfort fans shall	Indoor sound level in di		power	or sound level in B(A)	powe	or sound er level in IB(A)	Outdoor power I dB(evel in	
	3(a), 3(b), 3(e).	60		(65		65	7(0		
	From 1 January 2014: (a) air		double a	litioners, eand single	xcept	Double duct	minimum energy efficiency Double duct air conditioners Single duct air conditioners			Р	
	conditioners shall correspond to ecodesign requirements as		air cond SEER	SCOP(seas Aver	son:	EERrated	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,		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	42	2,34	2,34	2,34	1,84		
	, aniox i, point Z(u).	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	3,4	42	2,34	2,34	2,34	1,84		

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

lause	Requirement - Test	Result - Remark	Verdict
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.		Р
Article 5	Verification procedure for market	surveillance purposes	Р
	Regulation when performing the	erification procedure described in Annex III to this market surveillance checks referred to in Article 3(2) of ance with requirements set out in Annex I to this	Р
Article 6	Benchmarks		_
		est-performing air conditioners available on the market at 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 le global warming potential (GWP) is conditioners and possible change conditioners above 12 kW rated of appropriateness of the standby a measurement method, including calculation	Regulation in the light of technological progress and to the Ecodesign Consultation Forum no later than 5 years are 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 as in market share of types of appliances, including air output power. The review shall also assess the nd off mode requirements, seasonal calculation and considerations on the development of a possible seasonal air conditioners in the scope for cooling and heating	-
Article 8	Entry into force and application		Р
	This Regulation shall enter into Official Journal of the European U. It shall apply from 1 January 20		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 offmode and standby mode and for maximum sound power level		Р

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

(a) From 1 January 2013,		Double duct air	conditioners	Single duct air	conditioner	N/A
single duct and double duct air conditioners shall		EER rated	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.	If GWP of refrigerant ≤150	2,16	2,12	2,16	1,62	
Single duct and double duct						N/A
air conditioners and comfort fans shall fulfil the	Off mode			sumption of equipme		
requirements on standby and off mode as indicated in Table 2 below. The requirements on minimum energy efficiency and maximum sound power	Standby mode		condition p providing c indication c exceed 1,0	00 W. consumption of equ	ivation function, or nction and a mere on function, shall not ipment in any	- -
shall relate to the standard rating conditions specified in			display, or reactivation	providing only information providing only a community of the community of	nbination of nation or status	
Annex II, Table 2.	Availability of stand	oy and/or off mode	for the inte standby m not exceed requiremen	I the applicable power that for off mode and/ equipment is connect	f mode and/or condition which does er consumption or standby mode	
		Indoor sou	ind power lev	el in dB(A)		
			65			
(b) From 1 January 2013, air	Requirements for minimum energy efficiency					Р
conditioners, except single		SEER	SC	COP (Average heating	g season)	•
and double duct air conditioners, shall correspond to minimum energy efficiency	If GWP of refrigeran	t > 3,60		3,40		
and maximum sound power level requirements as	If GWP of refrigeran	t≤ 3,24		3,06		
indicated in Tables 4 and 5 below, calculated in		Requirements for maximum sound power level			Р	
accordance with Annex II. The	Rated ca	ed capacity≤6KW 6 <rated capacity≤12kw<="" td=""><td>y≤12KW</td><td></td></rated>		y≤12KW		
requirements on energy efficiency shall take into account the reference design	Indoor sound power level in dB(A)	Outdoor sound por level in de		level in po	utdoor sound ower level in B(A)	
conditions specified in Annex II, Table 3 using the 'Average'	60	65		65	70	
heating season where applicable. The requirements on sound power shall relate to the standard rating conditions		3 dB(A)	result accor	rding to EN	12102-	
specified in Annex II, Table 2	Outdoor: 6	ა.ყ uB(A)				

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	(c) From 1 January 2014, air			Requirements for					
	conditioners shall correspond			itioners, except and single duct	Double duct conditioners		Single duct conditioners		N/A
	to requirements as indicated		air condi						
	in the table below, calculated		SEER	season: Average)	EERrated	COPrated	EERrated	COPrated	
	in accordance with Annex II.	If GWP of		Average)					
	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							
	duct air conditioners, shall	refrigerant ≤ 150 for < 6	4,14	3,42	2,34	2,34	2,34	1,84	
	relate to the reference design	kW							
	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 ≤							
	on energy efficiency for single	150 for 6-12	3,87	3,42	2,34	2,34	2,34	1,84	
	and double duct air	kW							
	conditioners shall relate to the								
	standard rating conditions								
	specified in Annex II, Table 2.								
	(d) From 1 January 2014,								1
	single duct and double duct	Demoinement							N/A
	air conditioners and comfort	Requirement	s for maxin	num power consu			-	1	
	fans shall correspond to	Off mode				consumption condition shall			
	requirements as indicated in					ower consumpt			
	Table 7 below, calculated in				condit	ion providing o	nly a reactivation	on function,	
	accordance with Annex II.					viding only a re ndication of en			
	accordance with Annex II.		Standby mode			shall not exceed 0,50 W.			
		Standoy mode			The power consumption of equipment in any condition providing only information or status display, or providing only a combination of reactivation function and information or status display, shall not exceed 1,00 W.				
					Equipment shall, except where this is				
					inappr	opriate for the	intended use, p	provide off	
		Availability of	standby and	d/or off mode	condit	and/or standby ion which does	not exceed the	e applicable	
					and/or	consumption r standby mode	when the equi	ipment is	
					conne	cted to the mai	ns power source	ce.	
						equipment is n			
					are no	n, or when oth t dependent or	its functions,	equipment	
					shall, offer a	unless inappro power manag	oriate for the in ement function	tended use, , or a similar	
					function	on, that switche st possible per	s equipment at	fter the	
		Power manag	ement		the int	ended use of t	ne equipment,	.	
					mode,	atically into: — or — another	condition which	n does not	
					require	d the applicable ements for off r	node and/or sta	andby mode	
						the equipment source. The p			
						e activated be			
									1
3	Product information								Р
<u> </u>	requirements								<u> </u>
	(a) From 1 January 2013, as								Р
	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;								
-									•

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	NO 626/2011 &EN 14511 and NO 206/2012 & EN 14825					
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			•				
	(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 appen	dix				Р
	(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 appen					N/A
	(e)Information requirements for comfort fans.	Air conditio	ner				N/A
Annex II	Measurements and calculation	ons					Р
Annex III	Verification procedure for ma	arket surveil	lance purpo	ses			Р
Annex IV	Benchmarks						Р
		double duct a duct condition SEER 8,50 Benchmark for conditioner is	ers, excluding and single ners SCOP 5,10 or level of GWF		duct air tioner COP 3,15 igerant us	Single condi EER 3,15(*) sed in the a	N/A



	COMMISSION DELEGATED REGULATI	1 (23) 110 020/2011	
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		Р
	(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		Р
	(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		Р
	(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		Р
	(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		Р
	(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.		Р



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.		Р
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:		Р
	(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: Warmmer: A+++ Average: A+++ Colder: A+	Р
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

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Cla	ause	Requirement - Test	Result - Remark	Verdict		

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

Full lo	oad (Pdesigno	c):3500 W T	lesignc: 35℃	Tested Voltage: 230V	Frequency: 50Hz	
Test item	Indoor DB/WB(°C)	Outdoor DB/WB(°C) Ptest (W)	Tested EER	Cd	
Α		35/-	3502	4.90	0,25	
В	27/19	30/-	2554	7.10	0,25	
С	21/13	25/-	1612	11.28	0,25	
D		20/-	902	18.40	0,25	
		Psb= Poff =1	.5W; Pck= 0 W; Pto=5.	0W; Q _{CE} =126 kWh/a		
	Test SEI	ER		9.719		
	Declared S	SEER		9.7		
Te	st SEER≥Decl	ared SEER		Pass		
The calculation method of SEER according 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 loa	ad (Pdesignh):3000W	Tde	Tdesignh: -10°C CI			Climate: Average	
	Tbivalent: -10℃; TOL: -10℃			Tested Voltage: 230V Frequen			ncy: 50Hz	
Test item	Indoor DB(℃)	Outdoor DB/WB(℃)	Ptest(\	v)	Teste	d COP	Cd	
Α		-7/-8	2598		3.	72	0,25	
В		2/1	1602		5.	24	0,25	
С	20/-	7/6	1053		6.	54	0,25	
D	20/	12/11	982		7.	82	0,25	
Е	TOL		3052		3.25		0,25	
F		Tbivalent	3052		3.	25	0.25	
		Psb= Poff= 1.5W	; Pck= 0 W;	Pto=11.0\	W, Q _{HE} =79	91 kWh/a		
		SCOP				5.307		
	De	eclared SCOP				5.1		
	SCOF	P≥Declared SCOP				Pass		
The calculation method of SEER according to the clause 7 of EN14825:2016								
Accord	According table 1 of NO 626/2011, the result efficency classes: A+++							

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

Calculation of SCOP in heating mode:

	Full load (Pdesignh):4300W			esignh: -22°	C Climate: Co	older	
	Tbivale	nt: -10℃; TOL: -22℃	Teste	d Voltage: 2	230V Frequency	: 50Hz	
Test item	Indoor $DB(^{\circ}\!$	Outdoor DB/WB(℃)	Ptes	st(W)	Tested COP	Cd	
Α		-7/-8	25	98	3.72	0,25	
В		2/1	16	02	5.24	0,25	
С		7/6	10	53	6.54	0,25	
D	20/-	12/11	982		7.82	0,25	
Е		TOL		00	2.05	0,25	
F		Tbivalent	30	52	3.25	0.25	
G		-15/-	32	.78	2.21	0.25	
		Psb= Poff=1.5W;	Pck= 0W; P	to=11.0W, Q	= 2147 kWh/a		
		SCOP			4.205		
	D	eclared SCOP			4.0		
SCOP≥Declared SCOP				Pass			
The calculation method of SCOP according to the clause 7 of EN14825:2016							
	According table 1 of NO 626/2011, the result efficency classes: A+						

Calculation of SCOP in heating mode:

	Full lo	oad (Pdesignh):3500W	Tde	esignh: 2°C	Climate: Wa	rmer
	Tbival	ent: 2℃; TOL: 2℃	Tested V	/oltage: 230\	/ Frequency:	50Hz
Test item	Indoor $DB(^{\circ}\!$	Outdoor DB/WB(°C)	Ptest(v	v)	Tested COP	Cd
Α		1	/		1	0,25
В		2/1	3533		3.26	0,25
С	20/-	7/6 2			5.68	0,25
D	12/11		982		7.82	0,25
Е		TOL	3533		3.26	0,25
F		Tbivalent	3533		3.26	0.25
		Psb= Poff= 1.5W;	Pck= 0 W; F	⊃to=11.0W, C	Q _{HE} =776kWh/a	
		SCOP			6.310	
	De	eclared SCOP			6.3	
	SCOF	P≥Declared SCOP			Pass	
The calc	culation method	d of SEER acoording to t	the clause 7 c	of EN14825:2	016	
Accordi	ing table 1 of	NO 626/2011, the resu	ılt efficency	classes: A++	-+	

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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 I , for air conditioners, except single duct and double duct air conditioners

omgre date and a	Cabic addition	iii oomaniio.						
Function	n (indicate if	present)		Only for heating mode, if applicable				
Cooling		Υ		Average(man	datory)	Υ		
Heating		Υ		Warmer(if des	signed)	Y		
				Colder(if des	igned)	Y		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Design load					Seasonal eff	iciency		
Cooling	Pdesignc	3.5	kW	Cooling	SEER	9.7	_	
Heating/average	Pdesignh	3.0	kW	Heating/average	SCOP/A	5.1	_	
Heating/warmer	Pdesignh	3.5	kW	Heating/warmer	SCOP/W	6.3	_	
Heating/colder	Pdesignh	4.3	kW	Heating/colder	SCOP/C	4.0	_	
Declared capacit temperature 27(19	y (*) for o		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	3.50	kW	Tj=35℃	EERd	4.90		
Tj=3 0℃	Pdc	2.55	kW	Tj=30℃	EERd	7.10	_	
Tj=25℃	Pdc	1.61	kW	Tj=25℃	EERd	11.28	<u> </u>	
Tj=20℃	Pdc	0.90	kW	Tj=20℃	EERd	18.40		
Declared capacity at indoor tem		C and outd		Declared coefficie at indoor temperat				
Tj=-7℃	Pdh	2.59	kW	Tj=-7℃	COPd	3.72		
Tj=2℃	Pdh	1.60	kW	Tj=2℃	COPd	5.24	_	
Tj=7℃	Pdh	1.05	kW	Tj=7℃	COPd	6.54	_	
Tj=12℃	Pdh	0.98	kW	Tj=12℃	COPd	7.82	_	
Tj=operating limit	Pdh	3.05	kW	Tj=operating limit	COPd	3.25		
Tj=bivalent temperature	Pdh	3.05	kW	Tj=bivalent temperature	COPd	3.25		

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

Functio	on (indicate if	present)		Only for heating mode, if applicable				
Cooling		Y		Average(mand	atory)	Υ		
Heating		Υ		Warmer(if desi	gned)	Y		
				Colder(if desig	gned)	Y		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Declared capacity indoor temperature								
Tj=2℃	Pdh	3.53	kW	Tj=2℃	COPd	3.26	_	
Tj=7℃	Pdh	2.27	kW	Tj=7°C	COPd	5.68		
Tj=12℃	Pdh	0.98	kW	Tj=12℃	COPd	7.82	_	
Tj=operating limit	Pdh	3.53	kW	Tj=operating limit	COPd	3.26	_	
Tj=bivalent temperature	Pdh	3.53	kW	Tj=bivalent temperature	COPd	3.26	_	
	Declared capacity (*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Ti			Declared coefficient of performance(*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				
Tj=-7℃	Pdh	2.59	kW	Tj=-7℃	COPd	3.72	_	
Tj=2℃	Pdh	1.60	kW	Tj=2℃	COPd	5.24	_	
Tj=7℃	Pdh	1.05	kW	Tj=7℃	COPd	6.54	_	
Tj=12℃	Pdh	0.98	kW	Tj=12℃	COPd	7.82	_	
Tj=operating limit	Pdh	2.80	kW	Tj=operating limit	COPd	2.05	_	
Tj=bivalent temperature	Pdh	3.05	kW	Tj=bivalent temperature	COPd	3.25	_	
Tj=-15℃	Pdh	3.27	kW	Tj=-15℃	COPd	2.21	_	
Biv	alent tempera	ature		Operatin	g limit tempe	rature		
Heating/Average	Tbiv	-10	°C	Heating/Average	Tol	-10	$^{\circ}$	
Heating/Warmer	Tbiv	2	°C	Heating/Warmer	Tol	2	$^{\circ}$	
Heating/Colder	Tbiv	-10	°C	Heating/Colder	Tol	-22	$^{\circ}$	
Cycli	ng interval ca	apacity		Cycling	interval effic	iency		
for cooling	Pcycc	x,x	kW	for cooling	EERcyc	x,x	_	
for heating	Pcych	x,x	kW	for heating	COPcyc	x,x	_	
Degradation coefficient cooling	Cdc	0.25	_	Degradation co- efficient heating	Cdh	0.25	_	

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

F	Function (indicate if present)				Only for heating mode, if applicable			
Cooling		Υ			Average(mand	atory)	Υ	
Heating		Υ			Warmer(if desi	gned)	Υ	
					Colder(if desig	Y		
Item	Symbol	Value Unit		Unit	Item	Symbol	Value	Unit
Electric pov		n power modes ve mode'	other th	an	Annual	electricity	consumption	
Off mode	P _{OFF}	0.0015 kW		Cooling	Q _{CE}	126	kWh/a	
Standby mode	P _{SB}	0.0015 kW		Heating/Average	QHE	824	kWh/a	
Thermostat- off mode	Рто	0.005/0.011 k		kW	Heating/Warmer	Q _{HE}	778	kWh/a
Crankcase heater mode	P _{CK}	0		kW	Heating/Colder	Q _{HE}	2258	kWh/a
Capacity c	ontrol (indi	cate one of thr	ee optior	าร)	Other items			
fixed		N			Sound power level (indoor/outdoor)	L _{WA}	60/65	dB(A)
staged		N			Global warming potential	GWP	675	kgCO ₂ eq.
variable	Y				Rated air flow (indoor/outdoor)	_	830/3000	m³ /h
	Contact details for obtaining more information on the setting of the unit Gree Electric Appliances Inc. of Zhuhai Jinji West Road, Qianshan, Zhuhai, Guangdong 519070, P.R.China Email: greerzsykt@gree.com.cn							

^(*) For staged capacity units, two values divided by a slash ('/') will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of the unit.

For units with capacity control marked 'staged', two values for the highest and lowest, noted 'hi/lo' divided by a slash ('/') will be declared in each box under 'Declared capacity'.

--End of report--

^(**) If default Cd = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.