

Test Report No.:	NT	RF202301	005		Pag	e 1 of 18
Applicant Name:	Gre	e Electric Appl	iances	s Inc. of Zhuha	ai	
	Jinji	West Road, Qia	anshar	n, Zhuhai, Gua	ngdong 519070, P.I	R.China
Test item:	Split	Air Conditioner	r			
Identification:	GW	H12AVCXD-K6	DN**A		Serial No.:	Engineering
		epresent design t panel;first*=A-				sample
Receipt No.:	RZ0	0027793	2022.12.15			
Testing location:	Gre	e Electric Appl	iances	s Inc. of Zhuha	ai	
	Jinji	West Road, Qia	anshar	n, Zhuhai, Gua	ngdong 519070, P.I	R.China
Test specification:	Con	nmission Regula	ation (E	EU) No 206/20	12	
	Commission Delegated Regulation (EU) No 626/2011					
	EN	14825:2016				
	EN	14511-2,3:2013				
	EN	12102-1:2017				
Test Result:	Th	e test items pa	ssed	the test specif	ication(s).	
		•		•	,	
Testing Laboratory:	Tes	ting Center of G	ree El	ectric Applianc	es Inc. of Zhuhai	
tested by:			r	eviewed by:		
2023.01.03	Lu Zhibin		2023.01.03 Shang Mingyan			
Date	Name/Position	Signature		Date	Name/Position	Signature
Other Aspects:			1	1	1	<u> </u>

Abbreviations: P(ass) = passed

F(ail) = failed

N/A = 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					
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### **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 GWH12AVCXD-K6DNA1A as representive.
- 4. The samples are engineering samples without serial numbers.

Test item particulars	
Class of temperature	T1
Туре	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	2022.12.20
Date (s) of performance of tests	2022.12.20-2022.12.23

#### **General remarks**

- ➤ This appliance is split type air conditioner, which consist of one outdoor unit and one indoor unit.
- The indoor unit is a wall mounted type air conditioner, which is usually not accessible (only for maintenance purpose).
- ➤ Cooling and heating modes are applied by reverse cycle method. In the heating mode, defrost operation may be applied.
- >The indoor unit is equipped with an infrared wireless battery powered remote control unit.

### **Critical components:**

Model	Compressor model	Indoor fan motor	Outdoor fan motor
GWH12AVCXD-K6DN**A	QXF-A098zE170	FN10D-ZL(10P)	FW30R-ZL(10P)

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## Rating labels and marking:

#### Match table:

Whole model	Indoor unit	Outdoor unit				
GWH12AVCXD-K6DN**A	GWH12AVCXD-K6DN**A/I	GWH12AVCXD-K6DN**A/O				
/*************************************						

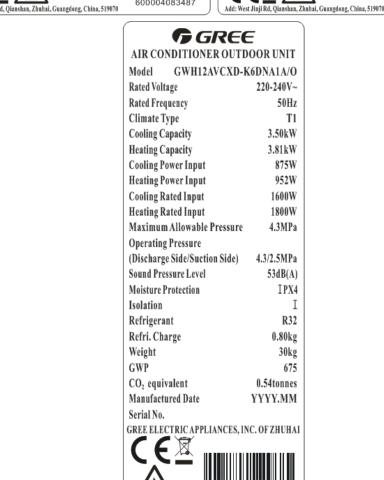
(\*\*represent design code of different front panel;first\*=A-Z,second\*=1-9)

The artwork below may be only a draft.

The labels of other GWH12AVCXD-K6DN\*\*A are indetical to the representive model GWH12AVCXD-K6DNA1A as below except for the model name.





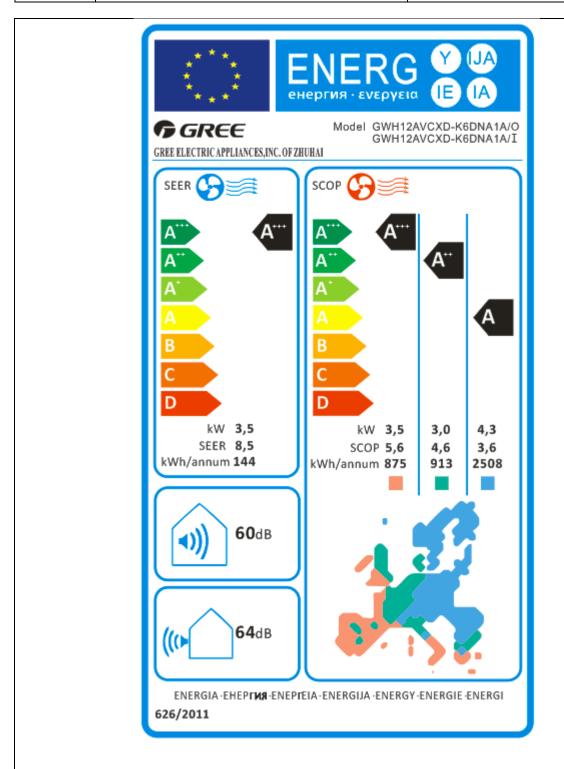


Add: West Jinji Rd, Qianshan, Zhuhai, Guangdong, China, 519070

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	COMMISSIO	N REGULATIO	N (EU) No 2	206/2012				
rticle 1	Subject matter and scope						Р	
	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	
	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	
rticle 2		or the purposes of this Regulation, the definitions in Article 2 of Directive control of the European Parliament and of the Council shall apply.						
rticle 3	Ecodesign requirements and tin	netable					Р	
	The ecodesign requirements for air conditioners and comfort fans are set out in Annex I.						Р	
	Each ecodesign requirement shall apply in accordance with the following timetable:	See table 1					Р	
			Double duct air of	conditioners COP rated	Single duct air of	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							
ingle duct	to requirements as indicated in Annex I, point 2(a).	Off mode Power consumption of equipment in any off-mode condition shall not exceed 1,00 W.						
nd double uct air onditioners	III Allilex I, politi 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 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.				
		Availability of standby and/or off mode  Availability of standby and/or off mo						
			ndoor sound	power level	in dB(A)			
			- >	65	. ,			
			ndoor sound	'	in dB(A)			

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		Requiremen	nts for max	imum pow	ver consu	umption i	n off-mode an	d standby m	ode	N/A
		Off mode					Power consum mode condition		ment in any off- eed 0,50 W.	
	From 1 January 2014, single duct and double duct air conditioners and comfort fans shall correspond to	uct and double duct air onditioners and comfort fans					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.			ı
	requirements as indicated in Table 7 below, calculated in accordance with Annex II.						condition providisplay, or prov	ding only informiding only a concition and info	rmation or status	
		Availability o	f standby a	nd/or off m	iode		mode and/or st condition which power consum	or the intende andby mode, a does not exc ption requiren mode when t	d use, provide of and/or another seed the applicab nents for off mode the equipment is	e l
		Power mana	igement				are not depend shall, unless in offer a power n function, that s shortest possib the intended us automatically i mode, or — an exceed the apprequirements fu when the equip	en other ener- lent on its fun appropriate fc ananagement f witches equip ele period of til se of the equip atto: — standb other conditio olicable power or off mode ar oment is conn- The power ma	gy- using product ctions, equipmen or the intended us unction, or a simi ment after the me appropriate forment, y mode, or — off in which does not consumption ad/or standby mo acted to the main anagement functi	t se, llar or t de
				Require	ments fo	r minimu	m energy effic	iency		_ P
	From 1 January 2013: (a) air conditioners, except single and double duct air				SEER		SCOP (Average I		g season)	_
except		If GWP of r > 150	of refrigerant 3,60			3,40				
single and double duct	conditioners, shall correspond to requirements as indicated in Annex I, point 2(b) and	If GWP of r ≤ 150	efrigerant		3,24			3,06		
air conditioners	points 3(a), 3(b), 3(c); (b) single ducts and double ducts	Requirements for maxir				maximur	imum sound power level			Р
	shall correspond to requirements as indicated in	R	ated capa	city≤6KW	V		6 <rated capacity≤12kw<="" td=""><td><math>\neg \mid</math></td></rated>			$\neg \mid$
	Annex I, points 3(a), 3(b), 3(d); (c) comfort fans shall correspond to requirements as indicated in Annex I, points	Indoor sour		powe	oor sound er level in dB(A)		Indoor sound power level i dB(A)		Outdoor sound bower level in dB(A)	
	3(a), 3(b), 3(e).	60			65		65		70	
	From 4 January 2044; (-)			itioners, ex	cept	Double	inimum energy efficiency Double duct air Single duct air			Р
	From 1 January 2014: (a) air conditioners shall correspond		air condi	SCOP(h	neating	conditio	l	conditioner		
	to ecodesign requirements as indicated in Annex I, point	If ONE of	SEER	seas Avera		rated	COPrated	EERrated	COPrated	
	2(c); (b) single duct and double duct air conditioners	If GWP of refrigerant > 150 for < 6 kW	4,60	3,8	80	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	12	2,34	2,34	2,34	1,84	
	, πιπολ 1, φοπιτ <u>Σ</u> (α).	If GWP of refrigerant > 150 for 6-12 kW	4,30	3,8	30	2,60	2,60	2,60	2,04	
		If GWP of refrigerant ≤ 150 for 6-12 kW	3,87	3,4	12	2,34	2,34	2,34	1,84	

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ause	Requirement - rest	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.		P
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 surveille	ance purposes	Р
	Regulation when performing the market s	n procedure described in Annex III to this surveillance checks referred to in Article 3(2) of th requirements set out in Annex I to this	Р
Article 6	Benchmarks		-
	The indicative benchmarks for best-performer the time of entry into force of this Regula	orming air conditioners available on the market at tion are set out in Annex IV.	-
Article 7	Revision		-
	present the result of this review to the Ecfrom the date of the entry into force of thi the efficiency and sound power level requipolal warming potential (GWP) refrigerational conditioners and possible changes in macconditioners above 12 kW rated output pappropriateness of the standby and off measurement method, including consideral calculation	ation in the light of technological progress and codesign Consultation Forum no later than 5 years is Regulation. The review shall in particular assess uirements, the approach to promote the use of lowants and the scope of the Regulation for air linket share of types of appliances, including air ower. The review shall also assess the node requirements, seasonal calculation and rations on the development of a possible seasonal ditioners in the scope for cooling and heating	-
Article 8	Entry into force and application		Р
	<ol> <li>This Regulation shall enter into force of Official Journal of the European Union.</li> <li>It shall apply from 1 January 2013.</li> </ol>	on the 20th day following its publication in the	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				
CI	lause	Requirement - Test	Result - Remark	Verdict	

			1				
(a) From 1 January 2013, single duct and double duct		Double EER rat	duct air cond	ditioners	Single duct	air conditioner  COP rated	N/A
air conditioners shall correspond to requirements as indicated in Tables 1, 2	If GWP of refrigerant >1	2,4		2,36	2,40	1,80	
and 3 below, calculated in accordance with Annex II. Single duct and double duct	If GWP of refrigerant ≤150	2,7	16	2,12	2,16	1,62	
air conditioners and comfort fans shall fulfil the requirements on standby and	Off mode			Power co	nsumption of equ	uipment in any off-mode 1,00 W.	N/A
off mode as indicated in Table 2 below. The requirements on minimum energy efficiency and maximum sound power				condition providing	providing only a only a reactivation of enabled react	f equipment in any reactivation function, or on function and a mere ivation function, shall not	
shall relate to the standard rating conditions specified in Annex II, Table 2.	Standby mode		condition display, o reactivati	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.			
	Availability of star	ndby and/or	off mode	for the int standby r not excee requirem	ended use, provi- node, and/or and d the applicable ents for off mode equipment is cor	here this is inappropriate de off mode and/or ther condition which does power consumption and/or standby mode nnected to the mains	
		Indo	or sound	d power le	vel in dB(A	)	-
(h) France A. La guardia 2040, alia							
(b) From 1 January 2013, air conditioners, except single				or minimum en			Р
and double duct air conditioners, shall correspond to minimum energy efficiency	If GWP of refriger. 150		3,60		COP (Average hi		
and maximum sound power level requirements as	If GWP of refriger	ant ≤	3,24		3,06	3	
indicated in Tables 4 and 5		Re	quirements fo	r maximum sou	nd power level		Р
below, calculated in accordance with Annex II. The	Rated	capacity	≤6KW	6	<rated capa<="" td=""><td>acity≤12KW</td><td></td></rated>	acity≤12KW	
requirements on energy efficiency shall take into account the reference design	Indoor sound power level in dB(A)	n so	utdoor ound powe vel in dB(A	r power	sound level in	Outdoor sound power level in dB(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 specified in Annex II, Table 2	Sound pow 1:2017: Indoor: 60 Outdoor:	0 dB(A	A)	sult acco	ording to E	EN 12102-	

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(c) Fr	om 1 January 2014, air			Requirements for					$\overline{}$	
` '	itioners shall correspond		double a	itioners, except nd single duct	Double	duct air oners	Single duct conditioners			N/A
	quirements as indicated		air condi	scop(heating	EER					
	table below, calculated		SEER	season: Average)	rated	COPrated	EERrated	COPrated		
in acc	cordance with Annex II.	If GWP of		,						
The r	equirements on energy	refrigerant > 150 for	4,60	3,80	2,60	2,60	2,60	2,04		
	ency for air conditioners,	< 6 kW								
	ding single and double	If GWP of refrigerant								
	air conditioners, shall	≤ 150 for < 6 kW	4,14	3,42	2,34	2,34	2,34	1,84		
	e to the reference design									
	tions specified in Annex	If GWP of refrigerant	4,30	3,80	2,60	2,60	2,60	2,04		
	ble 3 using the 'Average'	> 150 for 6-12 kW	1,00	0,00	2,00	2,00	2,00	2,01		
	ng season where	If GWP of								
1	cable. The requirements	refrigerant ≤ 150 for	3,87	3,42	2,34	2,34	2,34	1,84		
	nergy efficiency for single	6-12 kW								
	double duct air									
	lard rating conditions									
	fied in Annex II, Table 2.									
	rom 1 January 2014,									
` '	e duct and double duct	Damilaana.	f			:	d atam dla	4.		N/A
	enditioners and comfort	Requiremen	nts for max	imum power cons	umption				—l	
	shall correspond to	Off mode				Power consum mode condition				
	rements as indicated in					The power con	sumption of ed	uipment in any		
	7 below, calculated in							ctivation function, n function and a		
	rdance with Annex II.					mere indication	of enabled rea	activation function	١,	
		Standby mo	de		-	The power consumption of equipment in a			$\dashv$ l	
						condition provi	viding only information or status			
						display, or providing only a combination reactivation function and information				
						display, shall n				
							or the intended	use, provide off		
		Availability of	of standby a	nd/or off mode			n does not exce	eed the applicable		
								ents for off mode ne equipment is		
						connected to the	ne mains powe	r source.		
						When equipme		ling the main y- using product(	c)	
						are not depend	lent on its func	tions, equipment		
						offer a power n	nanagement fu	the intended use nction, or a similar		
						function, that s shortest possib	ole period of tim	ne appropriate for		
		Power mana	gement				nto: — standby	mode, or — off		
						mode, or — an exceed the app		which does not consumption		
								d/or standby mod cted to the mains		
							The power ma	nagement functio	. 11	
								*		
Produ	uct information				!				7	D
13	rements									Р
	rom 1 January 2013, as									Р
	ds air conditioners and									۲
	ort fans, the information									
	ut in points below and									
calcu	lated in accordance with									
	x II shall be provided on:									
	e technical									
	mentation of the product;									
	ee access websites of									
	ufacturers of air									
condi	itioners and comfort fans;									

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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 appendix	P
	(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 purposes	Р
Annex IV	Benchmarks		Р
		Benchmarks for air conditioners  Air conditioners, Double duct air Single duct air excluding double duct and single duct conditioners  SEER SCOP EER COP EER COP S,50 5,10 3,00(*) 3,15 3,15(*) 2,60  Benchmark for level of GWP of the refrigerant used in the air conditioner is GWP ≤ 20.  (*) based on efficiency of evaporatively cooled single duct air conditioners.	N/A



	COMMISSION DELEGATED REGULATI	ON (EU) No 626/2011
Article 3	Responsibilities of suppliers	P
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	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	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	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		
	I .		

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	The definition same to EN14825 & 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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# Test result of part load according to EN 14825: Calculation of SEER in cooling mode:

Full le	Full load (Pdesignc):3500 W			ignc: 35℃	Tested Voltage: 230V	Frequency: 50Hz
Test item	Indoor DB/WB(℃)	Outdoor DB/W	′B(°C)	Ptest (W)	Tested EER	Cd
Α		35/-		3531	4.11	0,25
В	27/10	30/-		2590	6.21	0,25
С	27/19	27/19 25/-		1680	9.44	0,25
D		20/-		752	17.22	0,25
		Psb= Pof	f =1.22 \	N; Pck= 0W; Pto=6	6.0 W, Q <sub>CE</sub> =143 kWh/a	
	Test SEI	ER			8.544	
	Declared S	SEER			8.5	
Te	Test SEER≥Declared SEER Pass					
The calculation method of SEER according to the clause 6 of EN14825:2016						
Acco	rding table 1	of NO 626/2011	, the re	sult efficency class	ses: A+++	

## **Calculation of SCOP in heating mode:**

	Full lo	ad (Pdesignh):3000W	Tde	signh: -10℃	Climate: A	verage
	Tbivaler	nt: -10 ℃ ; <b>TOL</b> : -10	°C Teste	ed Voltage: 230	V Frequenc	cy: 50Hz
Test item	Indoor DB(℃)	Outdoor DB/WB(°C)	Ptest(V	v) T	ested COP	Cd
Α		-7/-8	2660 3.05		0,25	
В		2/1	1631		4.61	0,25
С	00/	7/6	1090		5.90	0,25
D	20/-	12/11	12/11 902 7		7.14	0,25
Е		TOL	3107	3107 2.5		0,25
F		Tbivalent	3107		2.52	0.25
		Psb= Poff=1.22 W;	Pck= 0W; I	Pto=10.93 W, C	Q <sub>HE</sub> = 903 kWh/a	
		SCOP			4.650	
	D	eclared SCOP			4.6	
	SCOF	P≥Declared SCOP			Pass	
The cal	culation method	d of SCOP acoording to	the clause 7	of EN14825:20	16	
Accord	ing table 1 of	NO 626/2011, the res	sult 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 lo		esignh: 2   Voltage:			
Test item	Indoor DB(°C)	ent: 2 °C; TOL: 2 °C Outdoor DB/WB(°C)	Ptest(		Tested COP	Cd
Α		/	/		/	0,25
В		2/1	3613	3	2.61	0,25
С		7/6	227	1	5.06	0,25
D	20/-	12/11	902	)	7.14	0,25
Е		TOL	361	3	2.61	0,25
F		Tbivalent	3613		2.61	0.25
		Psb= Poff=1.22 W;	Pck= 0W;	Pto=10.93	3 W, Q <sub>HE</sub> =868 kWh/a	
		SCOP			5.643	
	D	eclared SCOP			5.6	
SCOP≥Declared SCOP Pass						
The calculation method of SCOP according to the clause 7 of EN14825:2016						
Accord	ing table 1 of	NO 626/2011, the resu	ult efficency	classes:	A+++	

# Calculation of SCOP in heating mode:

	Full lo	oad (Pdesignh):4300V	V Tdesi	gnh: -22℃	Climate: Co	older
	Tbivaler	nt: -10 °C ; TOL: -22°	°C Tested \	Voltage: 230V	Frequency	: 50Hz
Test item	Indoor DB(℃)	Outdoor DB/WB(℃)	Ptest(w)	Teste	d COP	Cd
Α		-7/-8	2603	3.	06	0,25
В		2/1	1631	4.	61	0,25
С		7/6	1090	5.5	90	0,25
D	20/-	12/11	902	7.	14	0,25
Е		TOL	2610	1.	72	0,25
F		Tbivalent	3107	2.52		0.25
G		-15/-	3090	2.	08	0.25
		Psb= Poff=1.22 W;	Pck= 0W; Pto:	=10.93 W, Q <sub>HE</sub> =2	497 kWh/a	
		SCOP			3.624	
	De	eclared SCOP			3.6	
	SCOF	P≥Declared SCOP			Pass	
The calc	culation method	d of SCOP acoording to	the clause 7 of	EN14825:2016		
Accordi	ing table 1 of I	NO 626/2011, the res	sult efficency cla	asses: 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

Functio	n (indicate if	present)		Only for	heating mod	le, if applicable			
Cooling		Υ		Average(man	datory)	Υ			
Heating	Y			Warmer(if des	signed)	Υ			
				Colder(if designed)		Υ			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
	Design load				Seasonal eff	iciency			
Cooling	Pdesignc	3.5	kW	Cooling	SEER	8.5	_		
Heating/average	Pdesignh	3.0	kW	Heating/average	SCOP/A	4.6	_		
Heating/warmer	Pdesignh	3.5	kW	Heating/warmer	SCOP/W	5.6	_		
Heating/colder	Pdesignh	4.3	kW	Heating/colder	SCOP/C	3.6	_		
	Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj				Declared energy efficiency ratio (*), at indoor temperature 27(19) °C and outdoor temperature Tj				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
<b>Tj=3</b> 5℃	Pdc	3.50	kW	<b>Tj=3</b> 5℃	EERd	4.00	_		
<b>Tj=3</b> 0°C	Pdc	2.58	kW	Tj=30°C	EERd	6.20	_		
Tj=25℃	Pdc	1.66	kW	Tj=25℃	EERd	9.40	—		
Tj=20℃	Pdc	0.74	kW	Tj=20℃	EERd	17.20	_		
Declared capacity at indoor tem		C and outd		Declared coefficie at indoor temperat					
Tj=-7℃	Pdh	2.65	kW	Tj=-7℃	COPd	3.00			
Tj=2℃	Pdh	1.62	kW	Tj=2℃	COPd	4.60	_		
Tj=7°C	Pdh	1.04	kW	Tj=7℃	COPd	5.90	_		
Tj=12℃	Pdh	0.90	kW	Tj=12℃	COPd	7.10			
Tj=operating limit	Pdh	3.00	kW	Tj=operating limit	COPd	2.50	_		
Tj=bivalent temperature	Pdh	3.00	kW	Tj=bivalent temperature	COPd	2.50	_		

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

Functio	n (indicate if	present)		Only for heat	ing mode, if	applicable	
Cooling		Υ		Average(mand	latory)	Υ	
Heating		Υ		Warmer(if des	igned)	Υ	
				Colder(if design	gned)	Υ	
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Declared capacity ( indoor temperature				Declared coefficient season, at indoor te			
Tj=2°C	Pdh	3.50	kW	Tj=2℃	COPd	2.60	_
Tj=7℃	Pdh	2.25	kW	Tj=7℃	COPd	5.00	_
Tj=12℃	Pdh	0.90	kW	Tj=12℃	COPd	7.10	_
Tj=operating limit	Pdh	3.50	kW	Tj=operating limit	COPd	2.60	_
Tj=bivalent temperature	Pdh	3.50	kW	Tj=bivalent temperature	COPd	2.60	_
	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℃	Pdh	2.60	kW	Tj=-7℃	COPd	3.06	_
Tj=2℃	Pdh	1.62	kW	Tj=2℃	COPd	4.60	_
Tj=7°C	Pdh	1.04	kW	Tj=7℃	COPd	5.90	_
Tj=12℃	Pdh	0.90	kW	Tj=12℃	COPd	7.10	_
Tj=operating limit	Pdh	2.50	kW	Tj=operating limit	COPd	1.72	_
Tj=bivalent temperature	Pdh	3.00	kW	Tj=bivalent temperature	COPd	2.50	_
Tj=-15℃	Pdh	2.98	kW	Tj=-15℃	COPd	2.07	_
Biva	alent tempera	ature		Operatin	g limit tempe	erature	
Heating/Average	Tbiv	-10	$^{\circ}$ C	Heating/Average	Tol	-10	${\mathbb C}$
Heating/Warmer	Tbiv	2	$^{\circ}$	Heating/Warmer	Tol	2	$^{\circ}$
Heating/Colder	Tbiv	-10	$^{\circ}$	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 co- efficient 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	unction (in	dicate if preser	nt)		Only for h	eating mo	de, if applicable			
Cooling		Υ			Average(mand	atory)	Υ			
Heating		Υ			Warmer(if designed)		Υ			
					Colder(if desig	jned)	Υ			
Item	Symbol	Value		Unit	Item	Symbol	Value	Unit		
Electric pov		n power modes ve mode'	s other th	nan	Annual	electricity	tricity consumption			
Off mode	P <sub>OFF</sub> 0.0012 kW		Cooling	$Q_{CE}$	144	kWh/a				
Standby mode	P <sub>SB</sub>	0.0012	2	kW	Heating/Average	Q <sub>HE</sub>	913	kWh/a		
Thermostat- off mode	P <sub>TO</sub>	0.006/0.011 kW		Heating/Warmer	$Q_{HE}$	875	kWh/a			
Crankcase heater mode	P <sub>CK</sub>	0		kW	Heating/Colder	$Q_{HE}$	2508	kWh/a		
Capacity co	ontrol (indi	cate one of thr	ee optior	ns)		Other it	ems			
fixed		N			Sound power level (indoor/outdoor)	L <sub>WA</sub>	60/64	dB(A)		
staged		N			Global warming potential	GWP	675	kgCO <sub>2</sub> eq.		
variable	variable Y				Rated air flow (indoor/outdoor)	_	720/1950	m³/h		
		taining more etting of the	Jinji W P.R.Ch	est Ro	c Appliances Inc. coad, Qianshan, Zh	uhai, Gua	ngdong 519070	),		

<sup>(\*)</sup> 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--

<sup>(\*\*)</sup> 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.