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Test Report N	eport No.: NTRE20170460							
Applicant Nai		ree Electric Appliances Inc. of Zhuhai						
	We	st Jinji Rd, Qian	Qianshan, Zhuhai, Guangdong, China 519070					
Test item:	Spli	t Heat Pump Ai	r Condi	tioner				
Identification:	D125W/NhA-X			_	Serial No.:	Engineering		
	GU	D125T/A-T					sample	
Receipt No.:	RZ	0340463			l	Date of receipt:	2017.6.30	
Testing locati	ion: Gre	e Electric App	liances	Inc. of Z	huhai			
	We	st Jinji Rd, Qian	shan, Z	huhai, Gu	uangdo	ng, China 519070		
Test specifica	ation: CO	MMISSION REG	GULATI	ION (EU)	2016/2	281		
		14825:2016						
		14511-2,3:2013	3					
	EN	12102:2013						
Test Result:	Tł	ne test items pa	assed t	the test s	pecifica	ation(s).		
Testing Labo	ratory: Tes	ting Center of G	Gree Ele	ectric App	liances	Inc. of Zhuhai		
tested by:			re	eviewed b	y:			
Date	Name/Position	Signature		Date	1	Name/Position	Signature	
Other Aspects:	s: P(ass) = pas F(ail) = faile	d						
	N/A = not aµ N/T =not te							
	ort relates to the a. to be duplicated in	m. test sample						



	(EU) 2016/2281 and EN 14511 & EN 14825							
Clause	Requirement	- Test		Result - Remark	Verdict			
Summary of 1. The applia 2. The SEER 3. All the test GUD125T/A- 4. The sampl Test item pa Class of temp	testing nce was tester ς η s,c and So s were perform T. es are engine rticulars	d according to EN 14511. COP、 η s,h were calculate med on the outdoor model ering samples without seria	GUD125W/N al numbers.	o EN14825. IhA-X and the indoor model	Verdict			
		:	•	ump Air Conditioner				
Degree of pro	otection		Indoor unit:I					
	action		Outdoor uni					
	t case verdict		Type Y attac	chiment				
		o the test object:	N/A					
		requirement:						
-		the requirement:						
-		· · · · · · · · · · · · · · · · · · ·						
			: 2017.6.30					
		tests:	: 2017.7.03-2017.7.20					
General rem	arks		1					
 This appliance is heat pump type air conditioner, which consist of one outdoor unit and one indoor units. The indoor unit is cassette 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 com								
Compressor QXFS-F428		Indoor fan motor	Outdoor far					
UNFS-F428	274301	FN150A-ZL	D-3472130	A(ZWF-150A)				

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		(EU) 20	16/2281 and	d EN 14511 & EN	14825	
Clause	Requirement - Te	st		Re	esult - Remark	Verdict
Rating labe	els and marking:					
Indoor un		Ou	Itdoor unit			
GUD125T			JD125W/Nr	Δ-X		
			JD 12300/101			
The anworr	k below may be only					
			60	GREE		
		CAS	SETTE TYP	EAIR CONDITION	ER	
		Mode	el	GUD125T/	A-T	
		Rated	Voltage/Frequen	220-240V ~/5 208-230V ~/6		
		Cooli	ng Capacity	1210	00W	
		Heati	ng Capacity	1350	00W	
			l Input		l0W	
			low Volume	18001	n³/h	
			d Pressure L		· · /	
		Weig			3kg	
		Manu	ifactured Da	te		
		CDFF	FI FOTDIC AD	PLIANCES,INC.OF ZHU	TAT	
		GREE	ELECINICAL			
		(Fã			
		Add Wa	t linii Dd. Olansha	n, Zhuhai, Guangdong, China, s	19979	
	_	Aud. we	si əmji ku, Qiansnai	n, Zhuhai, Guanguong, China, .		
	F	GRE	E AIRCO	ONDITIONER OUT	DOOR UNIT	
		fodel		GUD125W/NhA-X		
		d Voltage Frequency	380-415V 3N~	Refrigerant R32		
		Frequency nate Type	50/60Hz T1	K32 Refri. Charge		
		Veight	95kg	2.65kg		
		Current	8.0A	GWP	675	
		re Protection		CO ₂ Equivalent	1.79t	
	Operation	ating Press	ure (Dischar	ge Side/Suction Side)	4.6/2.5MPa	
		um Allowab			4.6MPa	
		actured Date				
	Contai	ns fluorinat CREE ELE	ed greenhouse	e gases LIANCES,INC. OF 2	ZHUHAI	
			JULKICALL			
	CE	72			600004061432	
	Add: Wes	t Jinji Rd, Qian	shan, Zhuhai, Guar	ngdong, China, 519070		



(EU) 2016/2281 and EN 14511 & EN 14825						
Clause	Requirement - Test	Result - Remark	Verdict			

1	Seasonal space heating energy efficiency of air hea	ting products	
(a)	From 1 January 2018, the seasonal space heating energy efficiency of air heating products shall not fall below the values in Table 1	Measured $\eta_{s,h}$:158.6% Measured $\eta_{s,h} \ge$ 133%	Р
	For multi-split heat pumps, the manufacturer shall establish conformity with this regulation based on measurements and calculations according to Annex III.		N/A
	For each model of outdoor side unit, a list of recommended combinations with compatible indoor side units shall be included in the technical documentation.		N/A
	The declaration of conformity shall then apply to all combinations mentioned in this list.		N/A
	The list of recommended combinations shall be made available prior to the purchase/lease/hire of an outdoor side unit.		N/A
(b)	From 1 January 2021, the seasonal space heating energy efficiency of air heating products shall not fall below the values in Table 2	Р	
	For multi-split heat pumps the manufacturer shall establish conformity with this regulation based on measurements and calculations according to Annex III.		N/A
	For each model of outdoor side unit, a list of recommended combinations with compatible indoor side units shall be included in the technical documentation.		N/A
	The declaration of conformity shall then apply to all combinations mentioned in this list.		N/A
	The list of recommended combinations shall be made available prior to the purchase/lease/hire of an outdoor side unit.		N/A
2	Seasonal space cooling energy efficiency of cooling	products	
(a)	From 1 January 2018, the seasonal space cooling energy efficiency of cooling products shall not fall below the values in Table 3	Measured $\eta_{s,c}$:243.5% Measured $\eta_{s,c} \ge 181\%$	Р



Clause	Requirement - Test	Result - Remark	Verdict
Jiause	Requirement - Test	Result - Remark	veruic
	For multi-split air conditioners the manufacturer shall establish conformity with this regulation based on measurements and calculations according to Annex III.		N/A
	For each model of outdoor side unit, a list of recommended combinations with compatible indoor side units shall be included in the technical documentation.		N/A
	The declaration of conformity shall then apply to all combinations mentioned in this list.		N/A
	The list of recommended combinations shall be made available prior to the purchase/lease/hire of an outdoor side unit.		N/A
(b)	From 1 January 2021, the seasonal space cooling energy efficiency of cooling products shall not fall below the values in Table 4	Measured $\eta_{s,c}$:243.5% Measured $\eta_{s,c} \ge 189\%$	Р
	For multi-split air conditioners the manufacturer shall establish conformity with this regulation based on measurements and calculations according to Annex III.		N/A
	For each model of outdoor side unit, a list of recommended combinations with compatible indoor side units shall be included in the technical documentation.		N/A
	The declaration of conformity shall then apply to all combinations mentioned in this list.		N/A
	The list of recommended combinations shall be made available prior to the purchase/lease/hire of an outdoor side unit.		N/A
3	Seasonal energy performance ratio of high tempera	ature process chillers	
(a)	From 1 January 2018, the seasonal energy performance ratio of high temperature process chillers shall not fall below the values in Table 5		N/A
(b)	From 1 January 2021, the seasonal energy performance ratio of high temperature process chillers shall not fall below the values in Table 6		N/A
4	Emissions of nitrogen oxides		1



0	(EU) 2016/2281 and EN 14511 &		
Clause	Requirement - Test	Result - Remark	Verdict
(a)	From 26 September 2018, the emissions of nitrogen oxides, expressed in nitrogen dioxide, of warm air heaters, heat pumps, comfort chillers and air conditioners shall not exceed values in Table 7		N/A
(b)	From 1 January 2021, the emissions of nitrogen oxides, expressed in nitrogen dioxide, of warm air heaters shall not exceed values in Table 8		N/A
5	Product information		
(a)	From 1 January 2018, the instruction manuals for installers and end-users, and free access websites of manufacturers, their authorised representatives and importers shall provide the following product information		Р
(1)	for warm air heaters, the information set out in Table 9 of this Annex, measured and calculated in accordance with Annex III		N/A
(2)	for comfort chillers, the information set out in Table 10 of this Annex, measured and calculated in accordance with Annex III		N/A
(3)	for air-to-air air conditioners, the information set out in Table 11 of this Annex, measured and calculated in accordance with Annex III		Р
(4)	for water/brine-to-air air conditioners, the information set out in Table 12 of this Annex, measured and calculated in accordance with Annex III		N/A
(5)	for fan coil units, the information set out in Table 13 of this Annex, measured and calculated in accordance with Annex III		N/A
(6)	for heat pumps, the information set out in Table 14 of this Annex, measured and calculated in accordance with Annex III		Р
(7)	for high temperature process chillers, the information set out in Table 15 of this Annex, measured and calculated in accordance with Annex III		N/A
(8)	any specific precautions that must be taken when the product is assembled, installed or maintained		N/A



Clause	Requirement - Test	Result - Remark	Verdict
Clause	Requirement - Test	Result - Remark	verdict
(9)	for heat generators or cold generators designed for air heating or cooling products, and air heating or cooling product housings to be equipped with such heat or cold generators, their characteristics, the requirements for assembly, to ensure compliance with the ecodesign requirements for air heating or cooling products and, where appropriate, the list of combinations recommended by the manufacturer		Р
(10)	for multi-split heat pumps and multi-split air conditioners, a list of appropriate indoor units		N/A
(11)	for B1, C2 and C4 warm air heaters the following standard text: 'This warm air heater is intended to be connected only to a flue shared between multiple dwellings in existing buildings. Due to a lower efficiency, any other use of this warm air heater shall be avoided and would result in higher energy consumption and higher operating costs'		N/A
(b)	From 1 January 2018, the instruction manuals for installers and end-users, and a part for professionals of the free-access websites of manufacturers, their authorised representatives and importers shall provide the following product information		Р
(1)	information relevant for disassembly, recycling and/or disposal at end-of-life		Р
(c)	The technical documentation for the purposes of conformity assessment pursuant to Article 4 shall contain the following elements		Р
(1)	the elements specified in point (a)		Р
(2)	where the information relating to a specific model has been obtained by calculation on the basis of design, and/or extrapolation from other combinations, the technical documentation shall include details of such calculations and/or extrapolations, and of tests undertaken to verify the accuracy of the calculations undertaken, including details of the mathematical model for calculating performance of such combinations, and of measurements taken to verify this model, and a list of any other models where the information included in the technical documentation was obtained on the same basis		Ρ



(EU) 2016/2281 and EN 14511 & EN 14825						
Clause	Requirement - Test	Result - Remark	Verdict			

Test result of part load according to EN 14825: Calculation of SEER $\$ $\eta_{s,c}$ in cooling mode:

	Full load (Pdesignc):12100 WTdesignc: 35°CIndoor Tested Voltage: 230VFrequency: 50Hz							
Outdo	or Tested Vol	tage: 400V	Frequ	uency: 50Hz				
Test Indoor item DB/WB(°C) Outdoor DB/WB(°C) Tested Pc(W) Tested EER Cd							ESP(Pa)	
А		35/-		12428	3.12	0,25	-	
В	27/19	30/-		8884	4.56	0,25	-	
С	21/10	25/-		5562	7.18	0,25	-	
D		20/-		4443	10.75	0,25	-	
		F	Psb= P	off =3.41W; Pck= 0W;	Pto=14.73W			
	Tested SEER			6.162				
Tested η _{s,c}			243.5%					
The c	The calculation method of SEER and η s,c acoording to the clause 6 of EN14825:2016.							

Full load (Pdesignc):10000 W		Tdes	Tdesignc: 35℃					
Tdesignh: -10℃;		Tbivalent: -7℃; TOL: -10℃		Climate: Average				
Indoor	Indoor Tested Voltage: 230V		Freq	uency: 50Hz				
Outdoor	r Tested Vol	tage: 400V	Frequ	uency: 50Hz				
Test item	Indoor DB(℃)	Outdoor DB/W	/B(℃)	Tested Ph(W)	Tested COP	Cd	ESP(Pa)	
А		-7/-8		8923	2.51	0,25	-	
В		2/1		5452	3.97	0,25	-	
С	20/-	7/6		3534	5.45	0,25	-	
D	20/	12/11		2989	6.22	0,25	-	
E		TOL		8765	2.44	0,25	-	
F		Tbivalen	t	8835	2.51	0.25	-	
			Psb= P	off=3.41W; Pck= 0W	; Pto=23.34W			
	Tested SCOP			4.040				
	Tested η _{s,h}			158.6%				
The cal	The calculation method of SCOP and η s,h acoording to the clause 7 of EN14825:2016.							



(EU) 2016/2281 and EN 14511 & EN 14825						
Clause	Requirement - Test	Result - Remark	Verdict			

Measured result summary

Outdoor side heat excha	nger of ai	r condition	er: air				
Indoor side heat exchange	-						
Indication if the heater is	-			ary heater: no			
Type: compressor driver			••				
If applicable: driver of co		-					
	-			eason, parameters for the warmer and colder			
heating seasons are opti		10 01 01 080					
Item	Symbol	Value	Unit	Item Symbol Value Unit			
Rated cooling capacity	P _{rated,c}	12.1	kW	Seasonal space cooling energy efficiency $\eta_{s,c}$ 243.5 %			
cooling capacity for part temperatures T _j and inde	-		energy efficiency ratio for part load at given outdoor temperatures T _j				
T _j = + 35 °C	P _c	12.42	kW	T _j = + 35 °C <i>EER</i> 3.12 -			
T _j = + 30 °C	P _c	8.88	kW	T _j = + 30 °C <i>EER</i> 4.56 -			
T _j = + 25 °C	P _c	5.56	kW	T _j = + 25 °C <i>EER</i> 7.18 -			
T _j = + 20 °C	P _c	4.44	kW	T _j = + 20 °C <i>EER</i> 10.75 -			
Average heating season indoor temperature 20 ° <i>T j</i>	• •	•	Average season coefficient of performance for part load at given outdoor temperatures T _j				
Rated heating capacity	P _{rated,h}	13.50	kW	Seasonal space heating energy η _{s,h} 158.6 % efficiency			
T _j = -7 °C	P _h	8.92	kW	T _j = -7 °C <i>COP</i> 2.51 -			
T _j = +2 °C	P _h	5.45	kW	T _j = +2 °C <i>COP</i> 3.97 -			
T _j = +7 °C	P _h	3.53	kW	$T_j = +7 \ ^{\circ}C$ COP 5.45 -			
T _j = +12 °C	P _h	2.98	kW	T _j = +12 °C <i>COP</i> 6.22 -			
Tbiv	P _h	8.83	kW	Tbiv COP 2.51 -			

TRF No.: EN14511 and EN14825



(EU) 2016/2281 and EN Clause Requirement - Test						<u> </u>	Result - Rer	,	Verdict			
	loquionio						rtoour rtor	nan		Voraio		
ToL		P _h	8.76		kW		ToL	СОР	2.44	-		
T j = – 15 °C (if T OL < – 20 °C)		Pth	-		kW		T j = – 15 °C (if T OL < – 20 °C)	СОР	-	-		
Bivalent temperature		Tbiv	-7		°C		Operation limit temperature	ToL	-10	°C		
Degradation co efficient for air conditioners		C _{dc}	x.x		-							
		Power co	nsumpt	ion ir	n modes	5 01	her than 'active mo	de'	1	1		
Off mode		P _{OFF}	0.0034 1	4	kW		Crankcase heater mode	Р _{ск}	0	kW		
Standby mode		P _{SB}	0.0034 1		kW		Back-up heating capacity	elbu	-	KW		
Thermostat-off mode(cooling/		P _{TO} 0.0147 <i>P</i> _{TO} 3/0.023 kW 34			kW		Type of energy input		-			
					Other it	em	IS					
Capacity contro	ol	variable					air flow rate, outdoor measured(cooling)	5900	m	m³/h		
Sound power le indoor/outdoo measured(cool	r	L _{WA}	60.6/69.2		dB		air flow rate, outdoor measured(heating)	5900 m ³ /h		³/h		
Sound power le indoor/outdoo measured(heat	r	L _{WA}	59.9/69.5		dB		GWP of the refrigerant	675		kg CO _{2 eq} (100 years)		
Contact details for obtaining more information on the setting of the unit				Gree Electric Appliances Inc. of Zhuhai West Jinji Rd, Qianshan, Zhuhai, Guangdong, China 519070								
				Email: greerzsykt@cn.gree.com								
be 0,25. Where informa	ation relate	es to multi	-split air	conc	ditioners	s, th	nult degradation coef ne test result and per nit, with a combinatio	formance da	ata may b			

recommended by the manufacturer or importer.

--End of report--