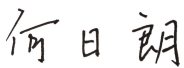


TEST REPORT EN14825:2022	
Report Number. Date of issue Total number of pages Tested by (name+signature) Approved by (name+signature)	GDKA20240918003 18 Sep,2024 8 HE RI LANG CHEN GANG QUAN    TESTING CANS L7450
Applicant's name Address	HISENSE (GUANGDONG) AIR CONDITIONING Co., Ltd. No. 8 HISENSE ROAD, ADVANCED MANUFACTURING JIANGSHA DEMONSTRATION PARK, JIANGMEN CITY, GUANGDONG PROVINCE, P.R.CHINA
Standard	EN14825:2022 COMMISIOM REGULATION EU No 626:2011 COMMISIOM REGULATION EU No 2016/2282 COMMISIOM REGULATION EU No 2017/254 COMMISION REGULATION EU No 2023/2048
Test item description Trade Mark Manufacturer Model/Type reference	Split type air-Conditioner (Room Air Conditioner) Hisense HISENSE (GUANGDONG) AIR CONDITIONING Co., Ltd. REA53IN KC2, REA53OUT1 KC2
Ratings	220-240V~, 50Hz, R32, IPX4 for outdoor unit,
Rev.01: New	

List of Attachments (including a total number of pages in each attachment):

1.Photo document 2.Hisense Europe Model Name

Summary of testing:

The products tested comply with the requirements of EN14825:2022

Tests performed :

The appliances comply with the above standards.

Tests Date: 2024.09.06-2024.09.18

Tests Result: Pass

Testing location:

No. 8 HISENSE ROAD, ADVANCED
MANUFACTURING JIANGSHA DEMONSTRATION
PARK, JIANGMEN CITY, GUANGDONG PROVINCE
P.R.CHINA

Pdesign Capacity/SEER Cooling: 5.0KW/6.1

Pdesign Capacity/SCOP Heating(AVERAGE): 4.0KW/4.0

Test laboratory Information:

Name: Testing Center of Hisense(Guangdong) Air Conditioner Co., Ltd.

Address: No. 8 HISENSE ROAD, ADVANCED MANUFACTURING JIANGSHA DEMONSTRATION
PARK, JIANGMEN CITY, GUANGDONG PROVINCE, P.R.CHINA

Laboratory Accreditation Certificate:

Shown on page 3

Copy of marking plate:

The artwork below may be
only a draft.

MODE		COOLING	HEATING	Hisense REA53IN KC2 ROOM AIR CONDITIONER 
CAPACITY	W	5000	5000	
POWER INPUT (FOR INDOOR UNIT ONLY)	W	65	65	
CURRENT (FOR INDOOR UNIT ONLY)	A	0.3	0.3	
RATED POWER INPUT (FOR INDOOR UNIT ONLY)	W	90		
RATED CURRENT (FOR INDOOR UNIT ONLY)	A	0.5		
MAX DISCHARGE PRESSURE	MPa	4.15		
MAX SUCTION PRESSURE	MPa	1.6		
SOUND POWER	dB(A)	60		
POWER SUPPLY: 220-240V~/50Hz	AIR FLOW: 880 m³/h			
ANTI-ELECTRIC SHOCK: CLASS I	REFRIGERANT: SAME AS OUTDOOR'S			
NET WEIGHT: 10kg	CLIMATE TYPE: T1			
ELECTRIC CHARACTERISTICS ARE ONLY FOR INDOOR UNIT.				
Made In P.R.C. Hisense Corporation				

Hisense		  	
REA53OUT1 KC2			
ROOM AIR CONDITIONER			
MODE		COOLING	HEATING
CAPACITY	W	5000	5000
POWER INPUT	W	1545	1345
CURRENT	A	6.9	6.1
RATED POWER INPUT	W	2300	
RATED CURRENT	A	12.3	
MAX DISCHARGE PRESSURE	MPa	4.15	
MAX SUCTION PRESSURE	MPa	1.6	
SOUND POWER	dB(A)	63	
POWER SUPPLY: 220-240V~ / 50Hz		NET WEIGHT: 34 kg	
ANTI-ELECTRIC SHOCK: CLASS I		CLIMATE TYPE: T1	
DEGREES OF PROTECTION: IPX4		Contains fluorinated greenhouse gases covered by the Kyoto Protocol	
MAX. PRESSURE OF COIL: 20MPa		GWP:675; 0.776 tonnes CO ₂ equivalent	
REFRIGERANT: R32/1.15kg			
Made In P.R.C. Hisense Corporation			



China National Accreditation Service for Conformity Assessment
LABORATORY ACCREDITATION CERTIFICATE
(Registration No. CNAS L7450)

**Testing Center of Hisense (Guangdong) Air Conditioner
Co., Ltd.**

(Legal Entity: Hisense (Guangdong) Air Conditioner Co., Ltd.)

No.8, Hisense Road, Advanced Manufacturing Jiangsha Demonstration Park,
Jiangmen, Guangdong, China

is accredited in accordance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence to undertake the service described in the schedule attached to this certificate.

The scope of accreditation is detailed in the attached schedule bearing the same registration number as above. The schedule forms an integral part of this certificate.

Effective Date: 2024-02-12

Expiry Date: 2030-02-11

Signed on behalf of China National Accreditation Service for Conformity Assessment

张朝华

China National Accreditation Service for Conformity Assessment (CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CNCA) to operate the national accreditation schemes for conformity assessment. CNAS is a signatory of the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC MRA) and the Asia Pacific Accreditation Cooperation Mutual Recognition Arrangement (APAC MRA).
The validity of the certificate can be checked on CNAS website at <http://www.cnas.org.cn/english/findanaccreditedbody/index.shtml>.

Test conditions

1.1. Rating conditions. Cooling mode

	Test mode	Outdoor heat exchanger		Indoor heat exchanger	
		Inlet dry bulb temperature °C	Inlet wet bulb temperature °C	Inlet water temperature °C	Inlet wet bulb temperature °C
Standard rating conditions	A	35	-	27	19
Part load conditions according the standard EN 14825:2018	B	30	-	27	19
	C	25	-	27	19
	D	20	-	27	19

1.2. Rating conditions for air-to-air units. Heating mode

	Test mode	Outdoor heat exchanger		Indoor heat exchanger	
		Inlet dry bulb temperature °C	Inlet wet bulb temperature °C	Inlet water temperature °C	Inlet wet bulb temperature °C
Standard rating conditions	R	7	6	20	-
Part load conditions according the standard EN 14825:2016 for heating season Average	A(A)	-7	-8	20	-
	B(A)	2	1	20	-
	C(A)	7	6	20	-
	D(A)	12	11	20	-
	E(A)	-10 (TOL)	-	20	-
	F(A)*	-7 (Tbiv)	-8	20	-
Part load conditions according the standard EN 14825:2016 for heating season Warmer	B(W)	2 (TOL)	1	20	-
	C(W)	7	6	20	-
	D(W)	12	11	20	-
	F(W)**	2 (Tbiv)	1	20	-
	E(C)	-20 (TOL)	-	20	-
	F(C)***	-10 (Tbiv)	-	20	-

* To reduce the tests, for Average conditions, is assumed Tbiv=-7°C.

** To reduce the tests, for Warmer conditions, is assumed Tbiv=2°C.



EU SEER/SCOP Test
欧盟SEER/SCOP测试

Version 1.0

Test Standard 测试标准:		☒ (EU) No 626/2011	☒ (EU) No206/2012	☒ EN14825	☒ EN 14511	☒ EN 12102	☐ Other _____			
requirement: 产品审批要求:										
requirement for rated SEER 的额定制冷季节能效比要求 (%)					>=100%		requirement for rated SCOP 额定制热季节性能系数要求 (%)			>=100%
							requirement for Sound Power 声功率要求			<=Rated
☒ Inverter Single Split type 变频一拖一 分体机 ☐ On/off Single Split type 定速一拖一 分体机 ☐ Inverter Multisplit type 变频一拖多 分体机 ☐ On/off Multisplit type 定速一拖多 分体机										
EU Model: EU型号:					Manufacturer Model: 工厂型号:		AST-18UW4RXS01G			
Test Result:										
Function (indicate to which function information applies)					If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.					
Cooling		Y			Average (mandatory)		Y			
Heating		Y			Warmer (if designated) Colder (if designated)		Y			
							N			
Item	Symbol	Rated value	Tested Value	Unit	Item	symbol	Rated value	Tested Value	unit	
Design load					Seasonal efficiency					
cooling	Pdesignc	5.0	5.012	kW	cooling	SEER	6.1	6.13	—	
heating/Average	Pdesignh	4.0	4.005	kW	heating/Average	SCOP(A)	4.0	4.00	—	
heating/Warmer	Pdesignh	4.0	4.010	kW	heating/Warmer	SCOP(W)	4.7	4.73	—	
heating/Colder	Pdesignh	NA	NA	kW	heating/Colder	SCOP(C)	NA	NA	—	
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					
Tj = 35 °C	Pdc	5.00	5.012	kW	Tj = 35 °C	EERd	3.2	3.30	—	
Tj = 30 °C	Pdc	3.68	3.685	kW	Tj = 30 °C	EERd	4.8	4.81	—	
Tj = 25 °C	Pdc	2.50	2.509	kW	Tj = 25 °C	EERd	7.8	7.81	—	
Tj = 20 °C	Pdc	2.10	2.125	kW	Tj = 20 °C	EERd	10.4	10.40	—	
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 Tj					
Tj = − 7 °C	Pdh	3.54	3.540	kW	Tj = − 7 °C	COPd	2.72	2.72	—	
Tj = 2 °C	Pdh	2.20	2.203	kW	Tj = 2 °C	COPd	4.00	4.00	—	
Tj = 7 °C	Pdh	1.43	1.431	kW	Tj = 7 °C	COPd	5.05	5.05	—	
Tj = 12 °C	Pdh	1.71	1.712	kW	Tj = 12 °C	COPd	6.35	6.35	—	
Tj = bivalent temperature	Pdh	3.54	3.540	kW	Tj = bivalent temperature	COPd	2.72	2.72	—	
Tj = operating limit	Pdh	3.55	3.555	kW	Tj = operating limit	COPd	2.51	2.51	—	
Declared capacity (*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj					Declared coefficient of performance (*)/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj					
Tj = 2 °C	Pdh	2.68	2.685	kW	Tj = 2 °C	COPd	3.60	3.62	—	
Tj = 7 °C	Pdh	2.57	2.573	kW	Tj = 7 °C	COPd	4.90	4.96	—	
Tj = 12 °C	Pdh	1.71	1.716	kW	Tj = 12 °C	COPd	6.10	6.10	—	
Tj = bivalent temperature	Pdh	3.14	3.148	kW	Tj = bivalent temperature	COPd	4.25	4.25	—	
Tj = operating limit	Pdh	2.68	2.685	kW	Tj = operating limit	COPd	3.60	3.62	—	
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	NA	NA	kW	Tj = − 7 °C	COPd	NA	NA	—	
Tj = 2 °C	Pdh	NA	NA	kW	Tj = 2 °C	COPd	NA	NA	—	
Tj = 7 °C	Pdh	NA	NA	kW	Tj = 7 °C	COPd	NA	NA	—	
Tj = 12 °C	Pdh	NA	NA	kW	Tj = 12 °C	COPd	NA	NA	—	
Tj = bivalent temperature	Pdh	NA	NA	kW	Tj = bivalent temperature	COPd	NA	NA	—	
Tj = operating limit	Pdh	NA	NA	kW	Tj = operating limit	COPd	NA	NA	—	

Hisense

Tj = - 15 ℃	Pdh	NA	NA	kW	Tj = - 15 ℃	COPd	NA	NA	—
Bivalent temperature					Operating limit temperature				
heating/Average	Tbiv	-7	NA	℃	heating/Average	Tol	-10	NA	℃
heating/Warmer	Tbiv	5	NA	℃	heating/Warmer	Tol	2	NA	℃
heating/Colder	Tbiv	NA	NA	℃	heating/Colder	Tol	NA	NA	℃
Power consumption of cycling					Efficiency of cycling				
cooling	Pcycc	NA	NA	kW	cooling	EERcyc	NA	NA	—
heating	Pcych	NA	NA	kW	heating	COPcyc	NA	NA	—
Degradation co-efficient cooling (**)	Cdc	0.25	NA	—	Degradation co-efficient heating (**)	Cdh	0.25	NA	—
Electric power input in power modes other than ‘active mode’					Seasonal electricity consumption				
off mode	P _{OFF}	0.00100	0.00098	kW	cooling	Q _{CE}	287	286.2	kWh/a
standby mode	P _{SB}	0.00100	0.00098	kW	heating/Average	Q _{HE}	1400	1401.8	kWh/a
thermostat-off mode	P _{TO}	0.068	0.068	kW	heating/Warmer	Q _{HE}	1192	1186.9	kWh/a
crankcase heater mode	P _{CK}	NA	NA	kW	heating/Colder	Q _{HE}	NA	NA	kWh/a
Capacity control (indicate one of three options)					Other items				
fixed	N				Sound power level (indoor)	LWA	60	59.5	dB(A)
					Sound power level (outdoor)	LWA	63	62.7	dB(A)
staged	N				Global warming potential	GWP	675	NA	kgCO ₂ eq.
variable	Y				Rated air flow (indoor/outdoor)	—	880/2250	885/2270	m ³ /h
TEST CONCLUSION: 测试结论									
Are the SEER and SCOP TEST results Compliant or Non-Compliant? SEER/SCOP测试是否符合要求?							Compliant		

何日朗

Tested by (name + signature)

测试员（姓名，签名）

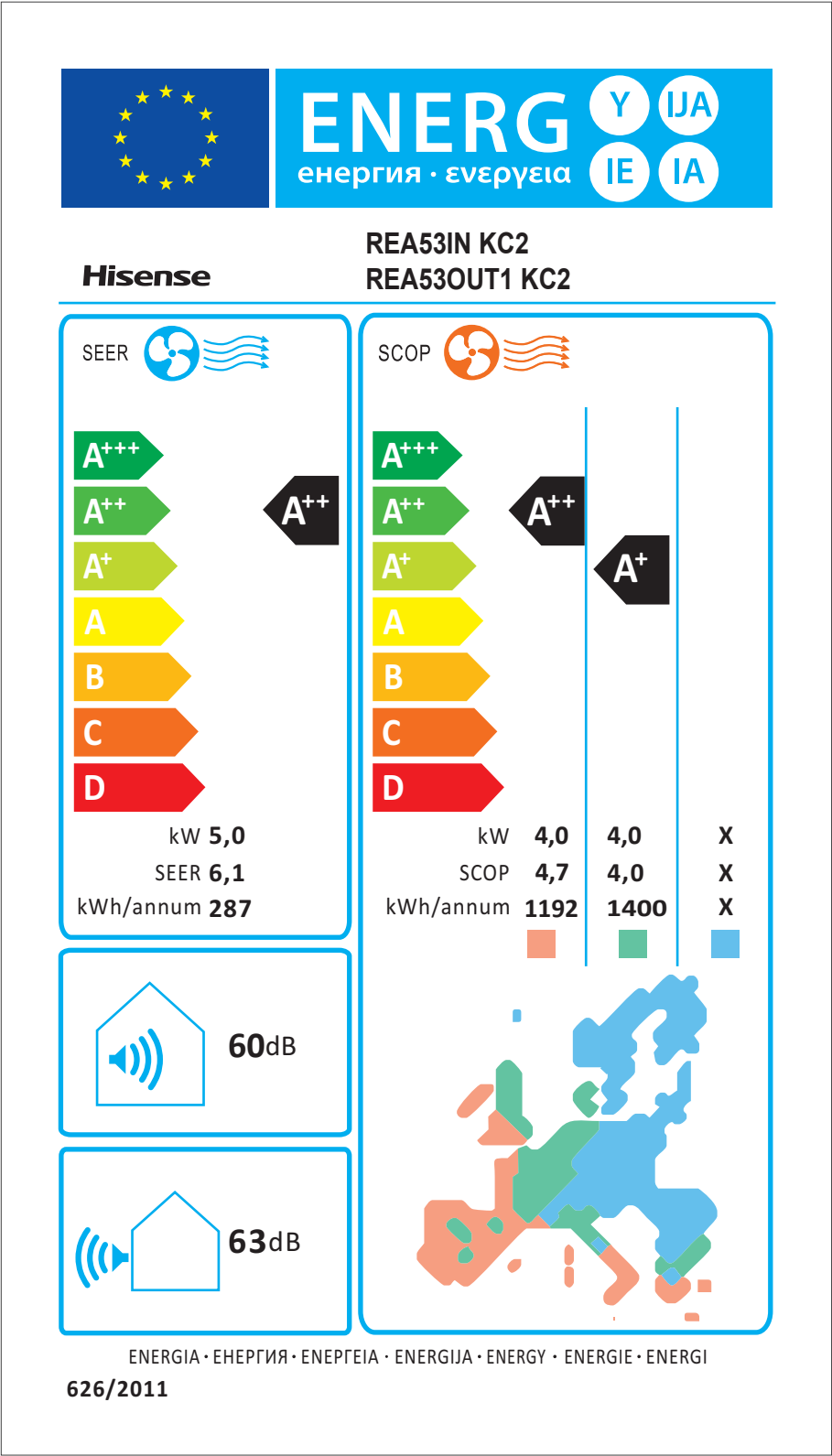
Approved by (name + signature)

批准人（姓名，签名）

SOUND ACOUSTIC TEST REPORT

MANUFACTURER MODEL:	REA53IN KC2, REA53OUT1 KC2		
MANUFACTURER:	Hisense	TEST DATE :	2024.09
☐ Cooling only model 单冷机 ☒ Cooling and Heating model 冷暖机 ☐ Window type 窗机 ☒ Split type 分体机 ☐ Portable 移动空调 ☐ Dehumidifier 除湿机			
TEST CONDITION:			
IDU Background noise:	18dB(A)		
Connecting pipe length for split type: ☒ 5m ☐ 4m ☐ 7.5m ☐ other _____			
TEST RESULT:			
Rated Sound Power dB(A)		Cooling mode	
Indoor Unit Sound Power dB(A)		59.5dB(A)	
Outdoor Unit Sound Power dB(A)		62.7dB(A)	

Rating Label:



Indoor Unit:



Outdoor Unit:

