

TEST REPORT EN14825:2016

Report Number.: GDKA20201028001

Date of issue: 28 Oct,2020

Total number of pages: 8

Tested by (name+signature).....: HE RI LANG

Approved by (name+signature): CHEN GANG QUAN

何日朗
陈钢权



Applicant's name.....: HISENSE (GUANGDONG) AIR CONDITIONING Co., Ltd.

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

Standard: EN14825:2016

COMMISSION REGULATION EU No 626:2011
COMMISSION REGULATION EU No 2016/2282
COMMISSION REGULATION EU No 2017/254

Test item description: Split type air-Conditioner (Room Air Conditioner)

Trade Mark: Hisense

Manufacturer.....: HISENSE (GUANGDONG) AIR CONDITIONING Co., Ltd.

Model/Type reference: REA26IN KC / REA26OUT KC

Ratings: 220-240V~, 50Hz, R32, IPX4 for outdoor unit,

Rev.02: Add new panel.

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 EN14825:2016

Tests performed :

The appliances comply with the above standards.

Tests Date: 2020.10.20-2020.10.26

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: 2.6KW/6.1

Pdesign Capacity/SCOP Heating(AVERAGE): 2.0KW/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	REA26IN KC ROOM AIR CONDITIONER 
CAPACITY	W	2600	2700	
POWER INPUT (FOR INDOOR UNIT ONLY)	W	25	25	
CURRENT (FOR INDOOR UNIT ONLY)	A	0.25	0.25	
RATED POWER INPUT (FOR INDOOR UNIT ONLY)	W	40		
RATED CURRENT (FOR INDOOR UNIT ONLY)	A	0.25		
MAX DISCHARGE PRESSURE	MPa	4.15		
MAX SUCTION PRESSURE	MPa	1.6		
SOUND POWER	dB(A)	56		
POWER SUPPLY: 220V-240V~/50Hz	AIR FLOW: 550 m³/h			
ANTI-ELECTRIC SHOCK: CLASS I	REFRIGERANT: SAME AS OUTDOORS			
NET WEIGHT: 7.1kg	CLIMATE TYPE: T1			
ELECTRIC CHARACTERISTICS ARE ONLY FOR INDOOR UNIT.				
Made In P.R.C. Hisense Corporation				

REA26OUT KC ROOM AIR CONDITIONER 			
MODE		COOLING	HEATING
CAPACITY	W	2600	2700
POWER INPUT	W	855	700
CURRENT	A	3.9	3.1
RATED POWER INPUT	W	1500	
RATED CURRENT	A	7.5	
MAX DISCHARGE PRESSURE	MPa	4.15	
MAX SUCTION PRESSURE	MPa	1.6	
SOUND POWER	dB(A)	62	
POWER SUPPLY: 220-240V~/50Hz		NET WEIGHT: 23kg	
ANTI-ELECTRIC SHOCK: CLASS I		CLIMATE TYPE: T1	
DEGREES OF PROTECTION: IPX4		Contains fluorinated greenhouse gases	
MAX. PRESSURE OF COIL: 20MPa		covered by the Kyoto Protocol	
REFRIGERANT: R32/0.46kg		GWP:675; 0.311 tonnes CO ₂ equivalent	
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.**

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

is accredited in accordance with ISO/IEC 17025: 2005 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 form an integral part of this certificate.

Date of Issue: 2018-02-12

Date of Expiry: 2024-02-11

Date of Initial Accreditation: 2015-02-04

Signed on behalf of China National Accreditation Service for Conformity Assessment

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 Laboratory Accreditation Cooperation Mutual Recognition Arrangement (APLAC-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)**	4 (Tbiv)	3	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=4°C.

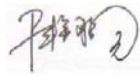
EU SEER/SCOP Test 欧盟SEER/SCOP测试										Version 1.0									
Test Standard 测试标准:		☒ (EU) No 626/2011		☒ (EU) No 206/2012		☒ EN14825		☒ EN 14511		☒ EN 12102		☐ Other _____							
requirement: 产品审批要求:																			
requirement for rated SEER 的额定制冷季节能效比要求 (%)				>=100%				requirement for rated SCOP 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	
Test Date: 测试日期:		2020.10.26				Manufacturer Model: 工厂型号:				AS-09UW4RYRCA03									
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)		Y											
						Colder (if designated)		N											
Item		Symbol		Rated value		Tested Value		Unit		Item		symbol		Rated value		Tested Value		unit	
Design load						Seasonal efficiency													
cooling		Pdesignc		2.6		2.606		kW		cooling		SEER		6.1		6.11		—	
heating/Average		Pdesignh		2.0		2.010		kW		heating/Average		SCOP(A)		4.0		4.02		—	
heating/Warmer		Pdesignh		2.4		2.402		kW		heating/Warmer		SCOP(W)		5.1		5.10		—	
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		2.60		2.606		kW		Tj = 35 °C		EERd		3.1		3.11		—	
Tj = 30 °C		Pdc		1.90		1.946		kW		Tj = 30 °C		EERd		5.1		5.18		—	
Tj = 25 °C		Pdc		1.30		1.306		kW		Tj = 25 °C		EERd		7.5		7.56		—	
Tj = 20 °C		Pdc		1.40		1.408		kW		Tj = 20 °C		EERd		10.0		10.05		—	
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		1.77		1.775		kW		Tj = – 7 °C		COPd		2.8		2.82		—	
Tj = 2 °C		Pdh		1.17		1.170		kW		Tj = 2 °C		COPd		3.9		3.99		—	
Tj = 7 °C		Pdh		0.80		0.802		kW		Tj = 7 °C		COPd		5.0		5.08		—	
Tj = 12 °C		Pdh		1.00		1.013		kW		Tj = 12 °C		COPd		6.7		6.78		—	
Tj = bivalent temperature		Pdh		1.77		1.775		kW		Tj = bivalent temperature		COPd		2.8		2.82		—	
Tj = operating limit		Pdh		1.68		1.682		kW		Tj = operating limit		COPd		2.6		2.61		—	
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		1.68		1.685		kW		Tj = 2 °C		COPd		3.45		3.460		—	
Tj = 7 °C		Pdh		1.64		1.648		kW		Tj = 7 °C		COPd		4.68		4.690		—	
Tj = 12 °C		Pdh		0.78		0.786		kW		Tj = 12 °C		COPd		6.50		6.510		—	
Tj = bivalent temperature		Pdh		2.07		2.075		kW		Tj = bivalent temperature		COPd		3.90		3.940		—	
Tj = operating limit		Pdh		1.68		1.685		kW		Tj = operating limit		COPd		3.45		3.460		—	
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		—	

Tj = – 15 °C	Pdh	NA	NA	kW	Tj = – 15 °C	COPd	NA	NA	—
Bivalent temperature					Operating limit temperature				
heating/Average	Tbiv	-7	NA	°C	heating/Average	Tol	-10	NA	°C
heating/Warmer	Tbiv	NA	NA	°C	heating/Warmer	Tol	NA	NA	°C
heating/Colder	Tbiv	NA	NA	°C	heating/Colder	Tol	NA	NA	°C
Power consumption of cycling					Efficiency of cycling				
cooling	Pcycc	NA	NA	kW	cooling	EERcyc	NA	NA	—
heating	Pcyh	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	0.00100	kW	cooling	Q _{CE}	149	149.3	kWh/a
standby mode	P _{SB}	0.00100	0.00100	kW	heating/Average	Q _{HE}	700	700	kWh/a
thermostat-off mode	P _{TO}	0.025	0.025	kW	heating/Warmer	Q _{HE}	659	659.4	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	56	55.8	dB(A)
					Sound power level (outdoor)	LWA	62	61.6	dB(A)
staged	N				Global warming potential	GWP	675	NA	kgCO ₂ eq.
variable	Y				Rated air flow (indoor/outdoor)	—	—	—	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									



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:

AS-09UW4RYRCA03

MANUFACTURER:

Hisense

TEST DATE :

2020.10

☐ 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

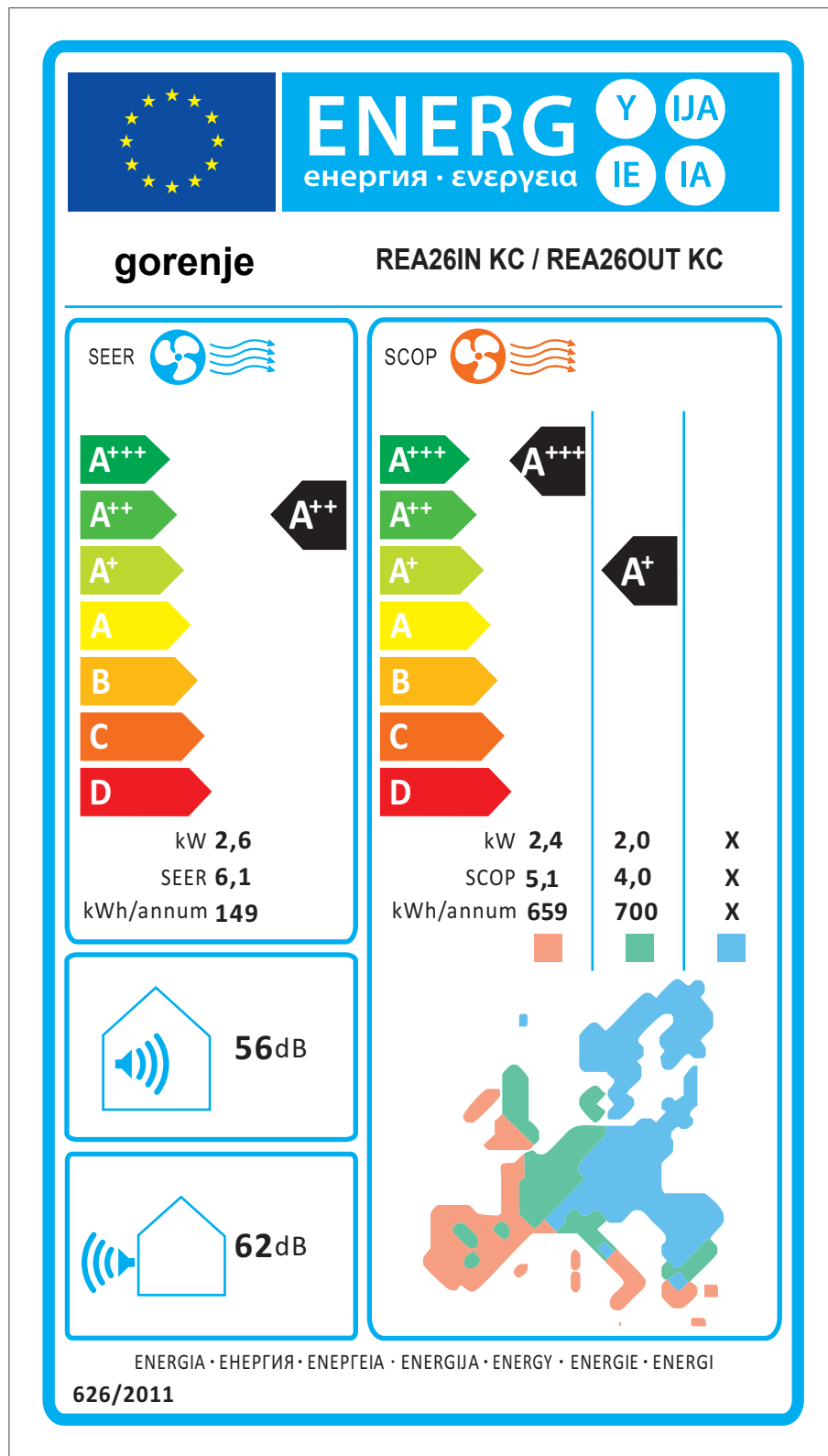
Indoor Unit Sound Power dB(A)

55.8dB(A)

Outdoor Unit Sound Power dB(A)

61.6dB(A)

Rating Label:



Indoor Unit:



Outdoor Unit:

