TEST REPORT
EN14825:2016

Report Number. .....:	GDKA20191020002
Date of issue .....:	20 Oct,2019
Total number of pages.....:	8
Tested by (name+signature).....	HE RI LANG
Approved by (name+signature)	CHEN GANG QUAN

TESTING
CANS L7450

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 COMMISIOM REGULATION EU No 626:2011 COMMISIOM REGULATION EU No 2016/2282 COMMISIOM 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 .....:	AS-12UR4RYR**01 AS-12UW4RYR**01A First ** means front panel of indoor unit: **can be CA, CB, CD, CE, KA, KB, KG. W means Wifi Function
Ratings .....:	220-240V~, 50Hz, R32, IPX4 for outdoor unit,

Rev.01

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: 2019.10.15-2019.10.19

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: 3.4KW/6.1

Pdesign Capacity/SCOP Heating(AVERAGE): 2.7KW/4.0

Test laboratory Information:

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

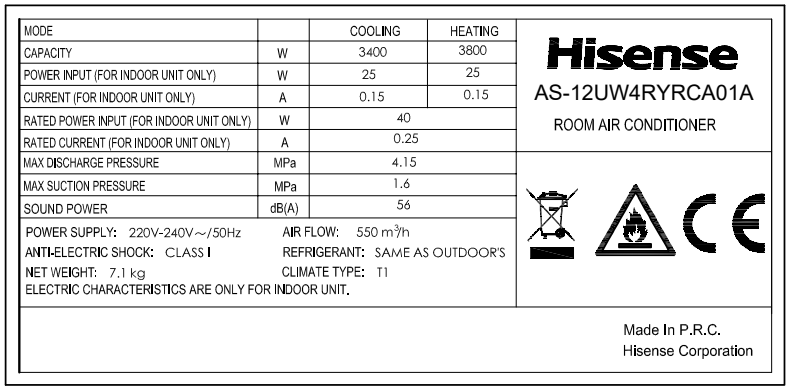
Address: No. 8 HISENSE ROAD, ADVANCED MANUFACTURING JIANGSHA DEMONSTRATION PARK, JIANGMEN CITY, GUANGDONG PROVINCE, P.R.CHINA

Laboratory Accreditation Certificate:

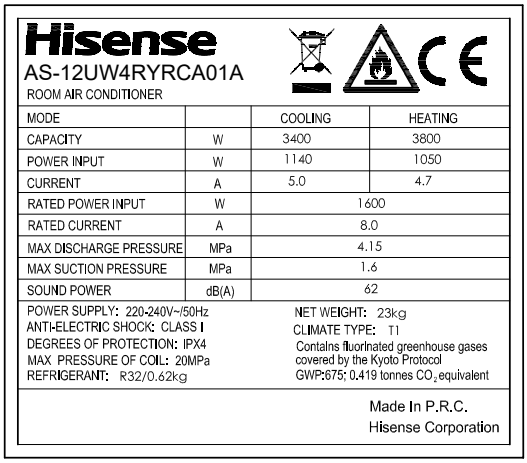
Shown on page 3

Copy of marking plate:

The artwork below may be only a draft.



MODE		COOLING	HEATING
CAPACITY	W	3400	3800
POWER INPUT (FOR INDOOR UNIT ONLY)	W	25	25
CURRENT (FOR INDOOR UNIT ONLY)	A	0.15	0.15
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	



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)**	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.

Hisense

EU SEER/SCOP Test 欧盟SEER/SCOP测试

Report No.: GDKA20191020002

Version 1.0

Test Standard 测试标准:	☑ (EU) No 626/2011	☑ (EU) No 206/2012	☑ EN14825	☑ EN 14511	☑ ENV 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 的声功率要求	<=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:	2019.10.15	Manufacturer Model: 工厂型号:	AS-12UW4RYRCA01A

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	3.4	3.40	kW	cooling	SEER	6.1	6.14	—
heating/Average	Pdesignh	2.7	2.71	kW	heating/Average	SCOP(A)	4.0	4.00	—
heating/Warmer	Pdesignh	3.2	3.21	kW	heating/Warmer	SCOP(W)	5.1	5.11	—
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 ℃	Pdc	3.40	3.402	kW	Tj = 35 ℃	EERd	2.9	2.98	—
Tj = 30 ℃	Pdc	2.30	2.335	kW	Tj = 30 ℃	EERd	4.6	4.65	—
Tj = 25 ℃	Pdc	1.60	1.610	kW	Tj = 25 ℃	EERd	7.5	7.50	—
Tj = 20 ℃	Pdc	1.30	1.307	kW	Tj = 20 ℃	EERd	11.3	11.30	—
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 ℃	Pdh	2.45	2.450	kW	Tj = – 7 ℃	COPd	2.5	2.56	—
Tj = 2 ℃	Pdh	1.50	1.515	kW	Tj = 2 ℃	COPd	3.9	3.98	—
Tj = 7 ℃	Pdh	0.95	0.952	kW	Tj = 7 ℃	COPd	5.1	5.16	—
Tj = 12 ℃	Pdh	1.00	1.011	kW	Tj = 12 ℃	COPd	6.4	6.48	—
Tj = bivalent temperature	Pdh	2.45	2.450	kW	Tj = bivalent temperature	COPd	2.5	2.56	—
Tj = operating limit	Pdh	2.39	2.395	kW	Tj = operating limit	COPd	2.4	2.44	—
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 ℃	Pdh	2.1	2.142	kW	Tj = 2 ℃	COPd	3.45	3.48	—
Tj = 7 ℃	Pdh	2.2	2.236	kW	Tj = 7 ℃	COPd	4.65	4.67	—
Tj = 12 ℃	Pdh	1.0	1.028	kW	Tj = 12 ℃	COPd	6.45	6.46	—
Tj = bivalent temperature	Pdh	2.7	2.755	kW	Tj = bivalent temperature	COPd	3.90	3.93	—
Tj = operating limit	Pdh	2.1	2.142	kW	Tj = operating limit	COPd	3.45	3.48	—
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	NA	NA	kW	Tj = – 7 ℃	COPd	NA	NA	—
Tj = 2 ℃	Pdh	NA	NA	kW	Tj = 2 ℃	COPd	NA	NA	—
Tj = 7 ℃	Pdh	NA	NA	kW	Tj = 7 ℃	COPd	NA	NA	—
Tj = 12 ℃	Pdh	NA	NA	kW	Tj = 12 ℃	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 ℃	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	NA	NA	℃	heating/Warmer	Tol	NA	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	0.00100	kW	cooling	Q_{CE}	195	194	kWh/a
standby mode	P_{SB}	0.00100	0.00100	kW	heating/Average	Q_{HE}	945	947	kWh/a
thermostat-off mode	P_{TO}	0.025	0.025	kW	heating/Warmer	Q_{HE}	NA	NA	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	55.7	dB(A)
					Sound power level (outdoor)	LWA	62	61.8	dB(A)
staged	N				Global warming potential	GWP	675	NA	$kgCO_2$ eq.
variable	Y				Rated air flow (indoor/outdoor)	—	550/1800	560/1810	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:	**AS-12UW4RYRCA01A**		
MANUFACTURER:	Hisense	TEST DATE :	2019.10

☐ 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:

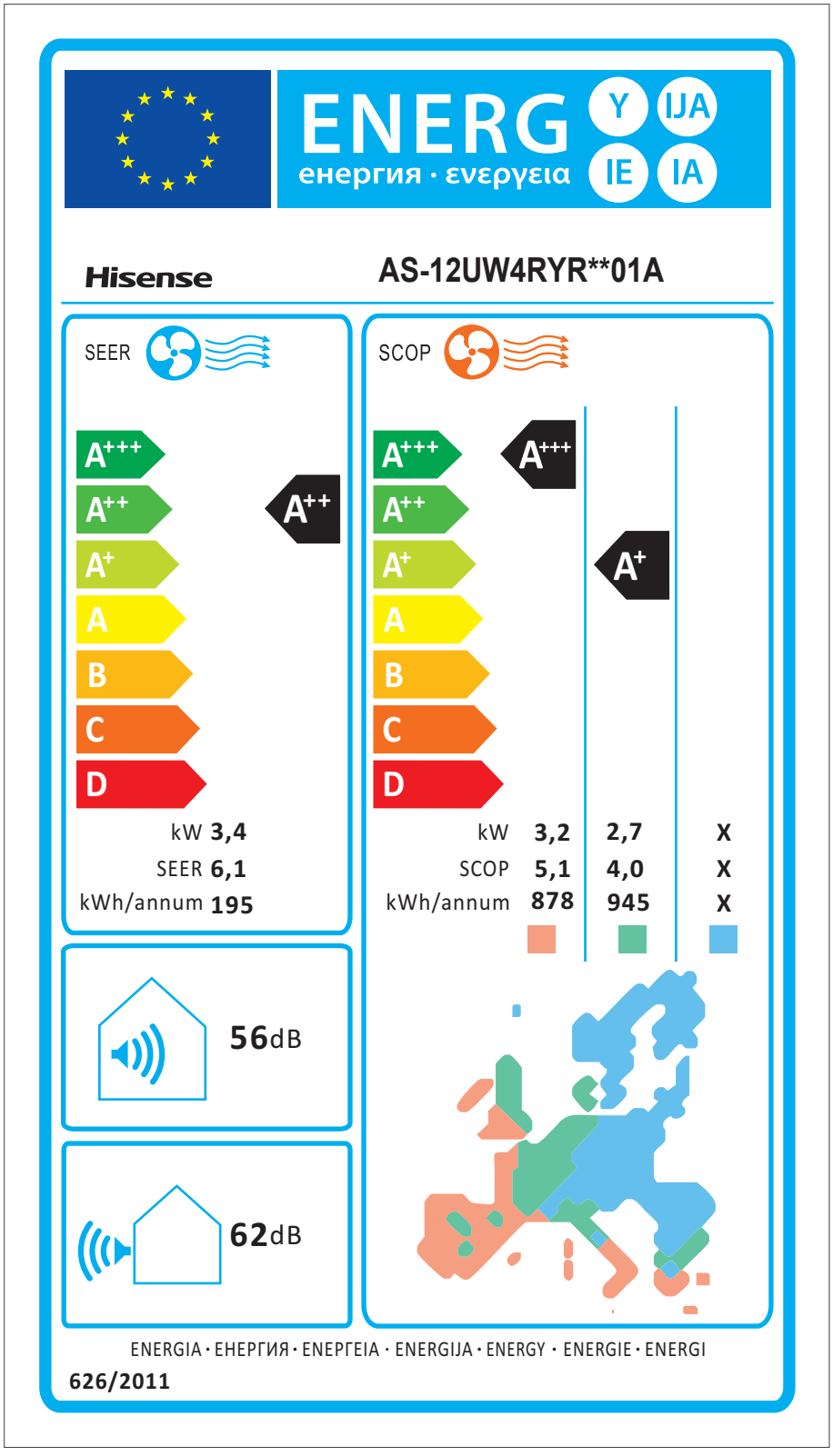
IDU Background noise: 18dB(A)

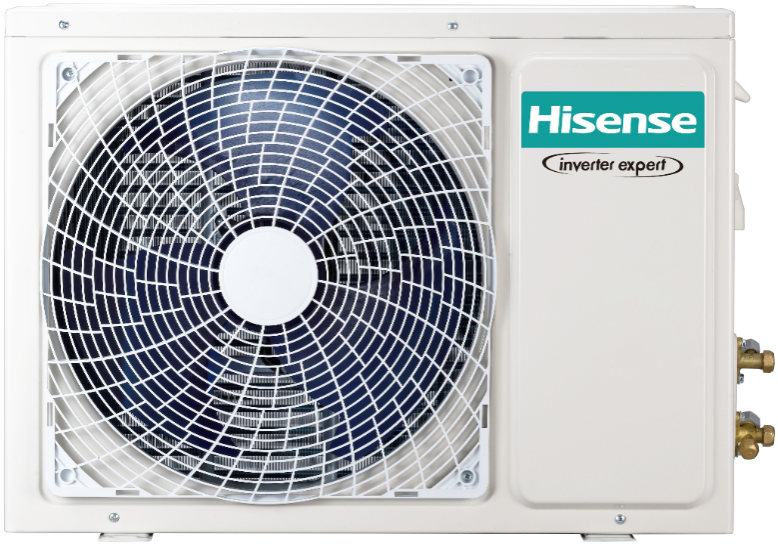
Connecting pipe length for split type: ☑ 5m ☐ 4m ☐ 7.5m ☐ other _____

TEST RESULT:

Rated Sound Power dB(A)	Cooling mode
Indoor Unit Sound Power dB(A)	55.7dB(A)
Outdoor Unit Sound Power dB(A)	61.5dB(A)

Rating Label:



Indoor Unit:

Outdoor Unit: