

TEST REPORT EN14825:2016

Report Number: GDKA20220101002

Date of issue: 1 Jan,2022

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



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: AST-12UW4RVE**00, AST-12UW4RVE**00A
AST-12UW4RVE**00B, AST-12UW4RVE**00H
AST-12UW4RVE**00J

First ** means front panel of indoor unit: **can be TD,TE,TF,
TG,TM,TL,TQ,TR,TT,DA,DB,DC,DE,DF,DG,DH,DJ,DK,DL,DX
,TJ,LB,CC

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: 2021.12.22-2021.12.27

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: 3.5KW/6.1

Pdesign Capacity/SCOP Heating(AVERAGE): 3.3KW/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	3500	4000
POWER INPUT (FOR INDOOR UNIT ONLY)	W	44	44
CURRENT (FOR INDOOR UNIT ONLY)	A	0.2	0.2
RATED POWER INPUT (FOR INDOOR UNIT ONLY)	W	60	
RATED CURRENT (FOR INDOOR UNIT ONLY)	A	0.3	
MAX DISCHARGE PRESSURE	MPa	4.15	
MAX SUCTION PRESSURE	MPa	1.6	
SOUND POWER	dB(A)	56	
POWER SUPPLY: 220V-240V~/50Hz AIR FLOW: 600 m ³ /h ANTI-ELECTRIC SHOCK: CLASS I REFRIGERANT: SAME AS OUTDOOR'S NET WEIGHT: ** CLIMATE TYPE: T1 ELECTRIC CHARACTERISTICS ARE ONLY FOR INDOOR UNIT.			


AST-12UW4RVE00**
 ROOM AIR CONDITIONER



 Hisense Corporation

MODE		COOLING	HEATING
CAPACITY	W	3500	4000
POWER INPUT	W	1000	1025
CURRENT	A	4.4	4.5
RATED POWER INPUT	W	1600	
RATED CURRENT	A	8.0	
MAX DISCHARGE PRESSURE	MPa	4.15	
MAX SUCTION PRESSURE	MPa	1.6	
SOUND POWER	dB(A)	63	
POWER SUPPLY: 220-240V~/50Hz REFRIGERANT: R32/0.76kg ANTI-ELECTRIC SHOCK: CLASS I NET WEIGHT: 27 kg DEGREES OF PROTECTION: IPX4 CLIMATE TYPE: T1 MAX PRESSURE OF COIL: 20MPa Contains fluorinated greenhouse gases covered by the Kyoto Protocol GWP:675; 0.513 tonnes CO ₂ equivalent			


AST-12UW4RVE00**
 ROOM AIR CONDITIONER



 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)**	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) No 206/2012	☒ EN14825	☒ EN 14511	☒ EN 12102	☐ Other _____		
GPA requirement: 产品审批要求:									
GPA requirement for rated SEER GPA 的额定制冷季节能效比要求 (%)		>=100%			GPA requirement for rated SCOP GPA 的额定制热季节性能系数要求 (%)		>=100%		
					GPA requirement for Sound Power GPA 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									
OEM Model: OEM型号:					Manufacturer Model: 工厂型号:		AST-12UW4RVETD00		
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	3.5	3.513	kW	cooling	SEER	6.1	6.12	—
heating/Average	Pdesignh	3.3	3.306	kW	heating/Average	SCOP(A)	4.0	4.02	—
heating/Warmer	Pdesignh	3.2	3.206	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	3.5	3.513	kW	Tj = 35 °C	EERd	3.6	3.63	—
Tj = 30 °C	Pdc	2.5	2.566	kW	Tj = 30 °C	EERd	4.8	4.83	—
Tj = 25 °C	Pdc	1.6	1.610	kW	Tj = 25 °C	EERd	7.4	7.44	—
Tj = 20 °C	Pdc	1.1	1.319	kW	Tj = 20 °C	EERd	10.4	10.66	—
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	2.9	2.918	kW	Tj = – 7 °C	COPd	2.6	2.63	—
Tj = 2 °C	Pdh	1.8	1.820	kW	Tj = 2 °C	COPd	3.9	3.93	—
Tj = 7 °C	Pdh	1.2	1.211	kW	Tj = 7 °C	COPd	5.4	5.41	—
Tj = 12 °C	Pdh	1.1	1.125	kW	Tj = 12 °C	COPd	6.6	6.62	—
Tj = bivalent temperature	Pdh	2.9	2.918	kW	Tj = bivalent temperature	COPd	2.6	2.63	—
Tj = operating limit	Pdh	2.6	2.625	kW	Tj = operating limit	COPd	2.4	2.42	—
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	2.2	2.238	kW	Tj = 2 °C	COPd	3.4	3.40	—
Tj = 7 °C	Pdh	2.2	2.257	kW	Tj = 7 °C	COPd	4.66	4.66	—
Tj = 12 °C	Pdh	1.0	1.045	kW	Tj = 12 °C	COPd	6.48	6.48	—
Tj = bivalent temperature	Pdh	2.8	2.836	kW	Tj = bivalent temperature	COPd	3.9	3.90	—
Tj = operating limit	Pdh	2.2	2.238	kW	Tj = operating limit	COPd	3.4	3.40	—
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}	0.0010	0.00095	kW	cooling	Q _{CE}	201	200.9	kWh/a
standby mode	P _{SB}	0.0010	0.00095	kW	heating/Average	Q _{HE}	1155	1148.8	kWh/a
thermostat-off mode	P _{TO}	0.044	0.044	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	55.9	dB(A)
					Sound power level (outdoor)	LWA	63	62.8	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)

何日朗

Approved by (name + signature)

批准人 (姓名, 签名)

陈明

SOUND ACOUSTIC TEST REPORT

MANUFACTURER MODEL:	AST-12UW4RVETD00		
MANUFACTURER:	Hisense	TEST DATE :	2021.12

☐ 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

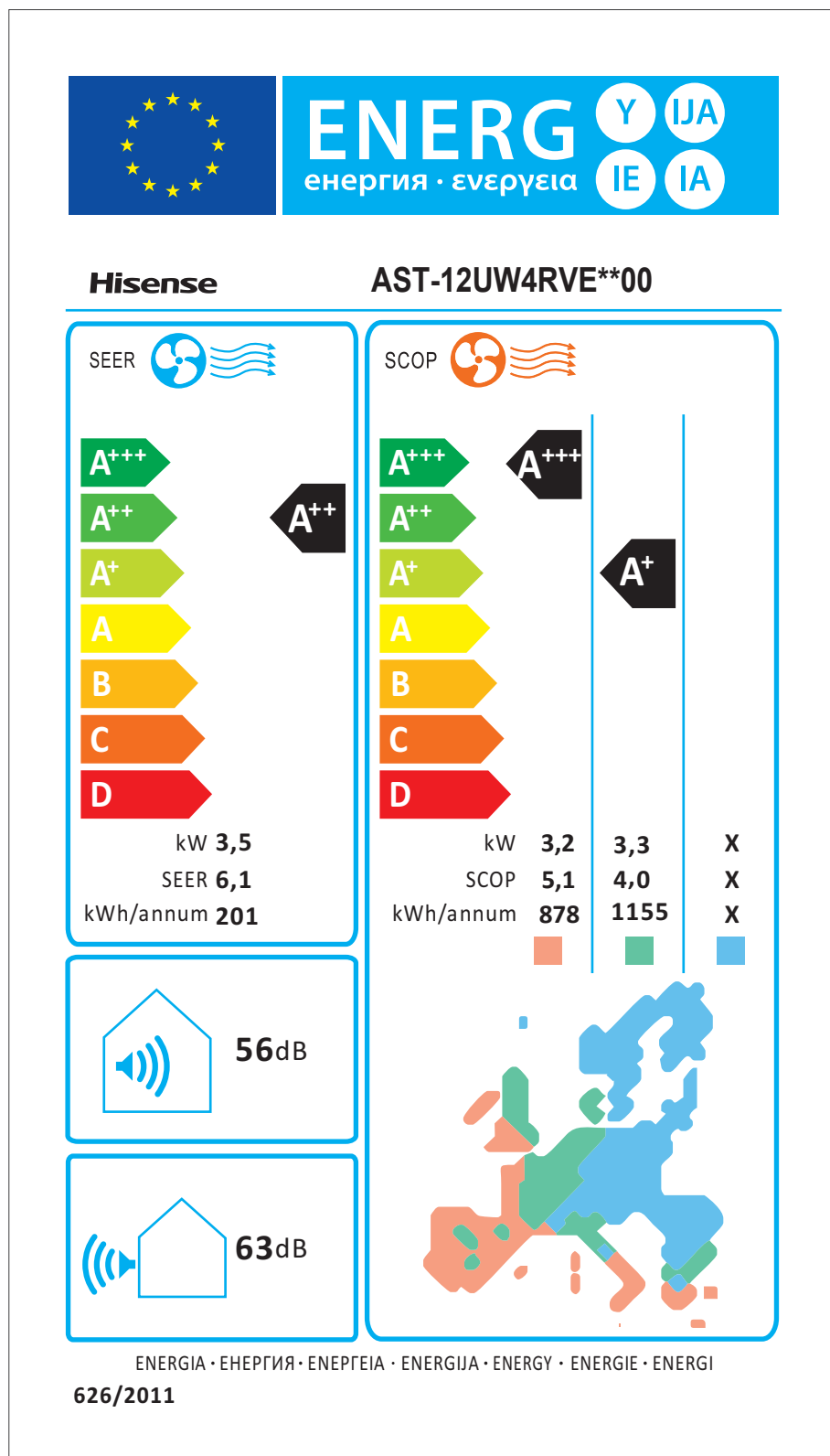
☐ 7.5m

☐ other _____

TEST RESULT:

Rated Sound Power dB(A)	Cooling mode
Indoor Unit Sound Power dB(A)	55.9dB(A)
Outdoor Unit Sound Power dB(A)	62.8dB(A)

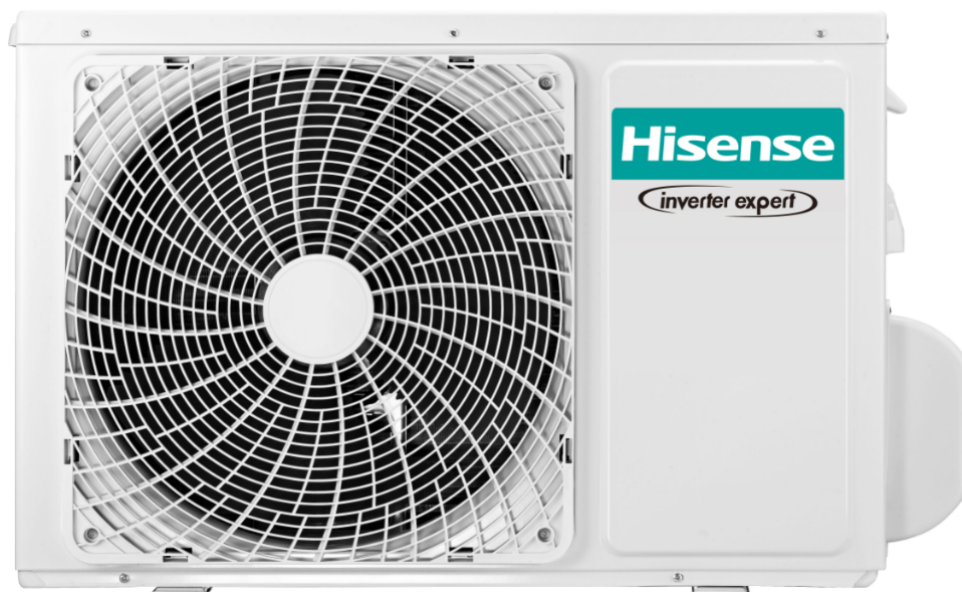
Rating Label:



Indoor Unit:



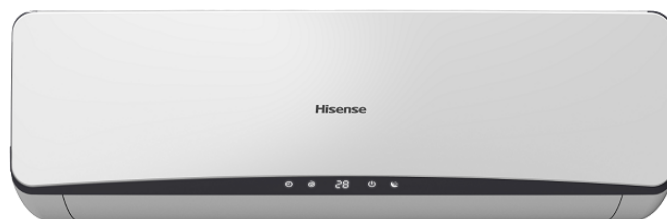
Outdoor Unit:



Annex : Indoor Unit different panel



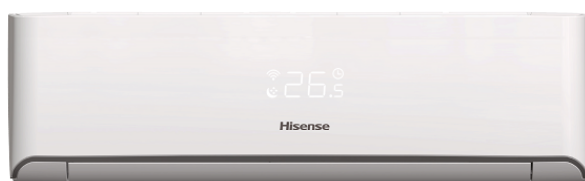
TD



TE



TG



TQ



TR



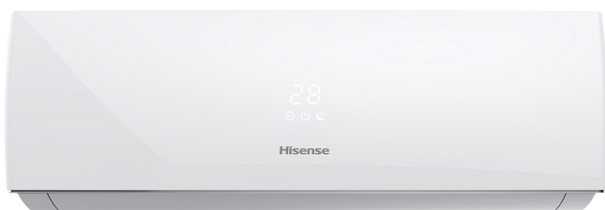
TT



TF



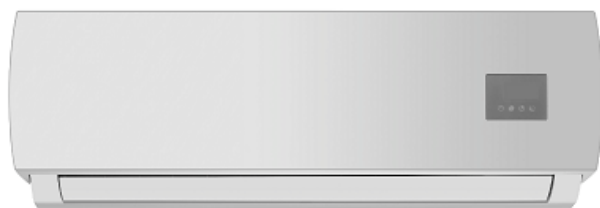
DA



DB



DC



DE



DF

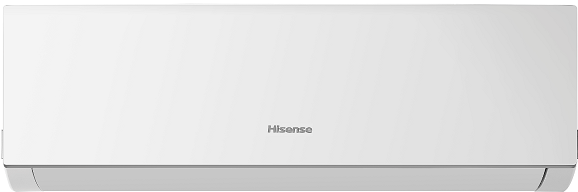
Annex : Indoor Unit different panel



DG



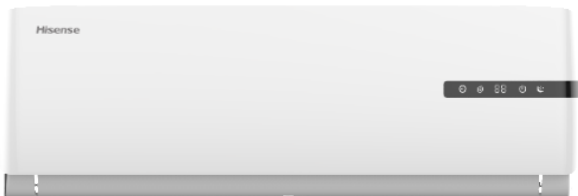
DH



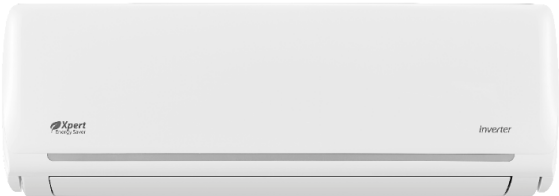
DJ



DK



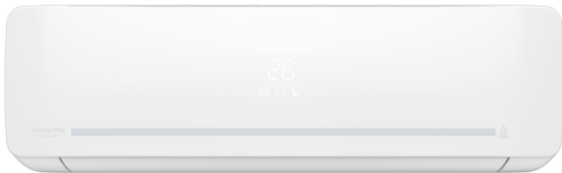
DL



DX



TJ



LB



CC

Hisense Europe Model

Factory Production Model.	Hisense Europe Model		
	Model in Sets	Indoor Model.	Outdoor Model.
AST-12UW4RVE**00	**35VE00	**35VE00G	**35VE00W
AST-12UW4RVE**00*	**35VE0*	**35VE0*G	**35VE0*W

First ** means front panel of indoor unit: **can be TD,TE,TF,TG,TM,TL,TQ,TR,TT,DA,DB,DC, DE,DF,DG,DH,DJ,DK,DL,DX.

*means different version: *can be A~Z.