

Hisense Hi-EDGE Heat Pump SEER2 18.00 and HSPF2 8.50






Submittal Data:

**AO-12U1R25SS Heat Pump and AS-12U1RDL25SS Wall-Mounted IDU
12,000 BTU/H Cooling Capacity and 12,000 BTU/H Heating Capacity
R32 Refirgerant System - EPA Low GWP Compliant Product**

Job Name:		Location:	
Purchaser:		Date:	Engineer:
Submitted to:		Submitted by:	
Other / Notes:			FOR: <input type="checkbox"/> File <input type="checkbox"/> Resubmit <input type="checkbox"/> Approval <input type="checkbox"/> Other

Equipment Features:

 <p style="margin-top: 20px;">AS-12U1RDL25SS</p>   <p style="margin-top: 20px;">RCH-RTY5-0 AO-12U1R25SS</p>	<p>Efficiency and comfort: Up to 18 SEER2 / 10.2 EER2 / 8.5 HSPF2</p> <p>OUTDOOR</p> <p>Low Ambient Performance: Confirmed continuous operation as allow as -4°F (-20° C) ambient temperature.</p> <p>R32 EPA Low-GWP Refrigerant.</p> <p>Outdoor intelligent defrosting tech improves system efficiency and reliable operation.</p> <p>INDOOR</p> <p>Quick and easy installation with mounting bracket and detachable IDU base plate.</p> <p>Integrated Wi-Fi plus the Connectlife smart app with Alexa and Google Assistant control put easy operation right at your fingertips.</p> <p>Left and Right Air Flow for optimized comfort.</p> <p>Easily accessible and washable High Definition Filter for improved air quality and maintenance.</p> <p>Self-cleaning indoor with Hisense FrostClean™ technology to reduces dust and bacteria for a healthier homec</p> <p>Long-distance airflow (up to 50ft/15m) for comfort across larger spaces</p> <p>Whisper-Quiet Operation with noise level as low as 32dB.</p> <p>"I Feel" Mode to control the temperature user location/remote vs indoor unit.</p> <p>Display Dimmer turns off the both displays to eliminate lighting at night</p> <p>Contact your local Hisense Partner for complete list of accessories</p>
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Cooling at 95°F (35°C)	Maximum Capacity	Btu/h	13000
	Rated Capacity	Btu/h	12000
	Minimum Capacity	Btu/h	4000
	Maximum Power Input	W	1370
	Rated Power Input	W	1176
	Moisture Removeval	Pints/h ~ L/h	2.74~1.3
	Sensible Heat Factor	multiplier	0.71
	Power Factor (208V / 230V)	%	96%
Heating at 47°F (8.3°C)	Maximum Capacity	Btu/h	13000
	Rated Capacity	Btu/h	12000
	Maximum Power Input	W	1100
	Rated Power Input	W	1034
	Power Factor (208V / 230V)	%	96%
Heating at 17°F (-8.3°C)	Maximum Capacity	Btu/h	9300
	Rated Capacity	Btu/h	8800
	Maximum Power Input	W	1280
	Rated Power Input	W	1220

Submittal Data Continued: AO-12U1R25SS Heat Pump and AS-12U1RDL25SS Wall Mount IDU			
Heating at 5°F (-15°C)	Maximum Capacity	Btu/h	7500
	Maximum Power Input	W	1157
Heating at -5°F (-20.56°C)	Maximum Capacity	Btu/h	5800
Heating at -13°F (-25°C)	Maximum Capacity	Btu/h	N/A
Efficiency	SEER2	Information	18
	EER2	Information	10.2
	HSPF2 [IV]	Information	8.5
	COP at 47°F ~ (8.3°C) Maximum Capacity	Information	3.5
	COP at 17°F ~ (-8.3°C) Maximum Capacity	Information	2.1
	COP at 5°F ~ (-15°C) Maximum Capacity	Information	1.9
	COP at -13°F ~ (-25°C) Maximum Capacity	Information	N/A
	ENERGY STAR™ Certified	Information	No
Electrical	Voltage, Phase, Hertz	Information	115V, 1, 60
	Required Voltage Range	V AC	103-126
	Voltage - Indoor IDU	V AC	115V, 1, 60
	Power Supply IDU	V AC	Powered by the Outdoor Unit
	Recommended Outdoor Fuse/Breaker Size/MOP	A	Outdoor: 25A
	Recommended Wire Size [Power /Communication]	AWG-#	14*3/ 18*4
Indoor Unit	MCA	A	3
	Fan Motor Full Load Amperage	A	0.18
	Fan Motor Type	Information	cross-flow fan / DC / 25
	Air Flow Rate Cooling (U-H-M-L-S)	m³/hr	670/620/620/530/430
	Cooling speed(Super/High/Mid/Low)	r/min	1200/1101/938/800
	Heating speed(Super/High/Mid/Low)	r/min	1200/1101/938/800
	Sound Pressure Levels Cooling (U-H-M-L-S)	(±1 dB[A]) ³	42/39/37/35/33
	Sound Pressure Levels Heating (U-H-M-L-S)	(±1 dB[A]) ³	42/39/37/35/33
	Drain Pipe Size	in. [mm]	Φ0.71/Φ18-O.D
	Coating on Heat Exchanger	type ~ hours	Blue~500
	Net IDU Weight	Lbs. ~ kg	19.4~8.8
Outdoor Unit	MCA	A	15.6
	MOCP or Maximum Circuit Breaker	A	25
	Fan Motor Type and Load	type ~ W	propeller fan -36
	Refrigerant Metering Control	type	Capillary
	Coating on Heat Exchanger	type ~ hours	Blue~500
	Outdoor air flow (H/M/L)	m3/h / CFM	2200/1600/1200-1294/941/706
	Sound Pressure Cooling Mode (ISO 3745)	(±1 dB[A]) ³	53
	NET ODU Weight	Lbs. ~ kg	57.3 / 26
Outdoor Unit (Cont.)	Compressor Type and Control		Rotary / INVERTER
	Compressor Oil [Type ~ Charge]	type ~ oz. / mL	ESTER OIL VG74~10.15/300
	Rated Current Load [Cooling - Heating]	A	10.7 - 9.5
Refrigerant Piping and Volume	Refrigerant Type (GWP)	type	R32 (675 GWP)
	Refrigerant Charge in System	oz. / g	21.9 / 620
	Pipe Length No Additional Refrigerant	ft. / m	24.61/7.50
	Additional Refrigerant	oz/ft ~ g/m	0.21~ 20/1
	Minimum Pipe Length~Maximum Pipe Length	ft/m ~ ft/m	9.84/3~65.6/20
	Maximum Height Difference (ODU to IDU)	ft. / m	49.2 / 15
	Liquid Line	in. OD	1/4
Vapor Line	in. OD	3/8	
Operating Temperature Range	Ambient Cooling [Minimum ~ Maximum]	F/C	(5~118)/(-15~48)
	Ambient Heating [Minimum ~ Maximum]	F/C	(-5~75)/(-20~24)
	Indoor Cooling [Minimum ~ Maximum]	F/C	(61~86)/(16~30)
	Indoor Heating [Minimum ~ Maximum]	F/C	(61~86)/(16~30)
Product Warranty	Residential/ Commercial Use Application	Information	10 Years All Parts
	*Requires registration-some restrictions apply	Information	1 Year Labor
		Information	1 Year Units Replacement

Certifications:

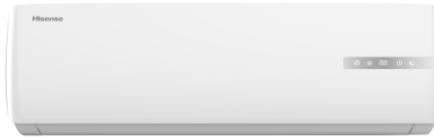
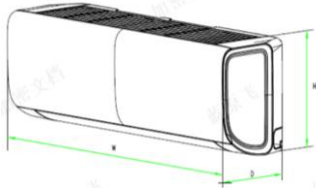


Dimensions:

Hisense

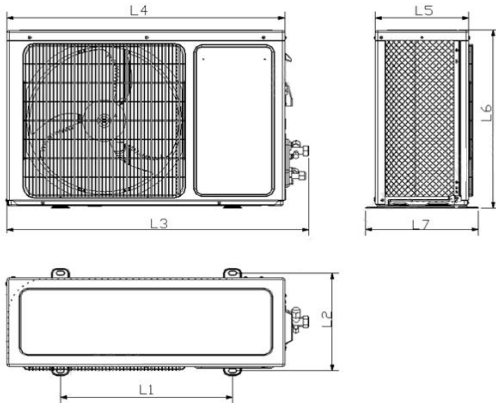
Unit: inch (mm)

Indoor Unit



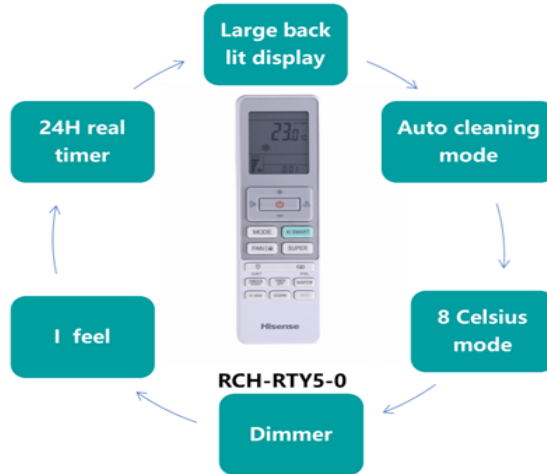
	W	H	D
mm	870	270	214
inch	34.3	10.6	8.5

Outdoor Uni



	L1	L2	L3	L4	L5	L6	L7
mm	480.0	271.0	774.0	715.0	240.0	540.0	298.0
inch	18.9	10.7	30.5	28.1	9.4	21.3	11.7

REMOTE CONTROLLER



Button Description

Start/Stop	Start/Stop indoor unit
Timer on/Timer off	Set the time to turn on or turn off
Temperature	Set the target temperature
Mode	Select the operation mode
Speed	Set the fan speed
Super	Start the strong cooling/heating mode
Super	Set fast cooling and heating
8°C Heat	Maintains the room temperature steadily at 8°C
I FEEL	Control the temperature from where the user is and not where the AC is
Horizontal*/Vertical air flow	Set horizontal/Vertical airflow direction
Clean	Clean operation
AI Smart	Set the room temp automatically
Quiet	Start the quiet mode
Sleep/Dimmer	Set or cancel the sleep mode / press this button 5 seconds to start or stop DIMMER mode

*: Horizontal air flow is not available for Hisense SmartSense .

OPTIONAL WIRING CONTROLLER



Large **LCD Display** for EZ read and control



24h Real Timer and **Weekly Timer** setting



Eliminate the feeling of being cold
Reduce power consumption

HS-WC01U
HS-WC02U



❖ **Signal receiver** of Remote Control – **only HS-WC01U**

❖ **Central Controller** for Max. 16 units - **only HS-WC01T**

Button Description

1. ON/OFF BUTTON

The appliance will be started or stopped when this button is pressed

2. RUN INDICATOR

Indicates that the appliance is on.

3. MODE BUTTON

Press this button to select the operation mode.

4. FAN BUTTON

Used to select fan speed in sequence high-auto-low-medium-high.

5. SWING BUTTON

Used to stop or start adjustment louver swinging and set the desired airflow direction

6. TIMER/CLOCK BUTTON

Used to set the current time or set timer on/off.

7. SLEEP BUTTON

Used to set or cancel Sleep Mode operation

8. ENTER BUTTON

Used to confirm settings.

9. CANCEL BUTTON

Used to cancel settings.

10. ADD. FUNC. BUTTON

Used to set filter clean, hot water, fresh air, electric heater, etc.

11. INCREASE SETTING BUTTON

Used to raise the set temperature

It raise the values when setting.

12. DECREASE SETTING BUTTON

Used to lower the set temperature

It lower the values when setting.

13. LIQUID CRYSTAL DISPLAY(LCD) SCREEN

Used to display indicator screens.

14. BUILT-IN INFRARED SIGNAL RECEIVER

Used to receive infrared signal.