NEW

CLEAN AIR UV-KIT
AIR PURIFIYING DEVICE FOR DUCTED SYSTEMS

TMS-UV02
TMS-UV04

AN ALL-IN-ONE SOLUTION FOR ELIMINATING VIRUSES AND BACTERIA

The UV-C air purification device has the ability to modify the DNA or RNA of micro-organisms, preventing them from reproducing and thus being harmful. UV-C light is able to inactivate 99.99% of viruses.

Use in ducted systems is recommended as it does not expose humans to UV-C light and allows disinfection and air purification.

The device technology is able to degrade numerous organic compounds by oxidation.

The filter attracts and retains moisture molecules that are naturally present in the air, capturing fine dust and oxides. This process encourages faster decomposition of substances that are harmful to humans.

This product is therefore capable of:

- effectively eliminating micro-organisms that are harmful to human health, such as moulds and viruses;
- decomposing organic compounds present in the air such as benzene, formaldehyde, ammonia, ether, TVOC and other organic chemical compounds;
- eliminating unpleasant odours.

This device can be connected to ducted indoor units so that they only operate when the air conditioning system is switched on.

TMS-UV02: for models HUCU 350~530 ZAL; HUCI 710~1080 ZA.
TMS-UV04: for models HUCI 1400~1600 ZA.

DUCTED
WITH MEDIUM STATIC PRESSURE

HUCU 350-530 ZAL

Wi-Fi
(optional)

	SEER	SCOP
3.51 kW	6.5/A++	4.0/A+
5.28 kW	6.1/A++	4.0/A+

-15~50° C | **-15~24° C**
Operating range in cooling and heating

100 Pa | Automatic adjustment of the static pressure of the fan at constant flow rate

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower height

Compatible with systems AIRZONE

Remote control
included as standard

Indoor unit model			HUCU 350 ZAL	HUCU 530 ZAL
Outdoor unit model			HCKI 350 ZA	HCKI 530 ZA
Type			FULL DC-Inverter heat pump	
Control (included)			Remote control	
Rated capacity (T=+35°C)	Cooling	kW	3.51 (1.49~4.75)	5.28 (2.55~5.69)
Rated absorbed power (T=+35°C)		kW	0.95 (0.35~1.62)	1.63 (0.71~1.90)
Rated energy efficiency coefficient		EER[3]	3.69	3.24
Seasonal energy efficiency class		626/2011[1]	A++	A++
Seasonal energy efficiency index		SEER[2]	6.5	6.1
Annual energy consumption		kWh/a	188	304
Theoretical load (Pdesignc)		kW	3.5	5.3
Rated capacity (T=+7°C)	Heating	kW	4.10 (0.97~5.63)	5.86 (2.20~6.15)
Rated absorbed power (T=+7°C)		kW	1.10 (0.35~2.05)	1.58 (0.74~1.76)
Rated energy performance coefficient		COP[3]	3.73	3.71
Energy efficiency class (average season)		626/2011[1]	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.0	4.0
Annual energy consumption		kWh/a	1120	1512
Theoretical load (Pdesignh) @-10° C		kW	3.2	4.3
Operating limits (outside temperature)	Cooling	°C	-15~50	
	Heating	°C	-15~24	
Electrical data				
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	
Power cable		Type	3 x 2.5 mm²	3 x 4 mm²
Connection wires between I.U. and O.U.		no.	5	4
Rated absorbed current (min~max)	Cooling	A	4.20 (1.70~7.20)	7.20 (3.20~8.30)
	Heating	A	5.00 (1.70~9.00)	7.00 (3.30~7.70)
Maximum current		A	10	13.5
Maximum absorbed power		kW	2.35	2.95
Refrigerant circuit				
Refrigerant (GWP)[4]			R32 (675)	
Quantity refrigerant pre-load		Kg	0.87	1.15
Tons of CO2 equivalent		t	0.587	0.776
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Max. splitting length		m	25	30
Max height difference I.U./O.U.		m	10	20
Splitting length without additional load		m	5	5
Additional load		g/m	12	12
Indoor unit specifications				
Dimensions	LxDxH	mm	700x450x200	880x674x210
Net weight		Kg	18	24.3
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	35/30.5/26	41.5/38/33
Sound power level (I.U.)	Hi	dB(A)	56	59
Treated air volume	Hi/Mi/Lo	m³/h	600/480/300	880/650/350
Fan static pressure	Std/Max	Pa	25/60	25/100
Motor power (Output)		W	130	90
Outside diameter of condensate drain		mm	ø25	ø25
Specifications of outdoor units				
Dimensions	LxDxH	mm	800x333x554	800x333x554
Net weight		Kg	34.7	33.7
Sound pressure level (O.U.)		dB(A)	55.5	55
Sound power level (O.U.)		dB(A)	63	63
Treated air (Max)		m³/h	2000	2000
Motor power (Output)		no. x W	1 x 40	1 x 57
Optional parts				
Wired remote control			YES	
Manual centralized control			YES	
Wi-Fi centralized control			HKM-WIFI LCAC	

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

DUCTED
WITH MEDIUM STATIC PRESSURE

HUCI 710-1080-1400-1600 ZA

Wi-Fi (optional)

Remote control included as standard

	SEER	SCOP
7.03 kW	6.1/A++	4.0/A+
8.79 kW	6.1/A++	4.0/A+
12.31 kW	6.1/A++	4.0/A+
10.55 kW	6.1/A++	4.0/A+
14.07 kW	6.1/A++	4.0/A+
15.24 kW	6.1/A++	4.0/A+

-15~50° C | **-15~24° C**
Operating range in cooling and heating

160 Pa | Automatic adjustment of the static pressure of the fan at constant flow rate

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower height

Compatible with systems AIRZONE

Indoor unit model			HUCI 710 ZA	HUCI 1080 ZA	HUCI 1400 ZA	HUCI 1080 ZA	HUCI 1400 ZA	HUCI 1600 ZA
Outdoor unit model			HCKI 710 ZA	HCKI 880 ZA	HCKI 1200 ZA	HCSI 1080 ZA	HCSI 1400 ZA	HCSI 1600 ZA
Type			FULL DC-Inverter heat pump					
Control (included)			Remote control					
Rated capacity (T=+35°C)	Cooling	kW	7.03 (3.28~8.16)	8.79 (2.23~9.82)	12.31 (2.58~12.31)	10.55 (4.04~12.02)	14.07 (4.26~15.19)	15.24 (5.86~17.29)
Rated absorbed power (T=+35°C)		kW	2.19 (0.48~2.85)	2.60 (0.19~3.35)	3.65 (0.23~4.35)	4.10 (0.89~4.98)	5.15 (1.17~5.70)	5.42 (1.27~6.65)
Rated energy efficiency coefficient		EER[3]	3.21	3.38	3.37	2.57	2.73	2.81
Seasonal energy efficiency class		626/2011[1]	A++	A++	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.1	6.1	6.1	6.1	6.1	6.1
Annual energy consumption		kWh/a	402	505	711	602	808	878
Theoretical load (Pdesignc)		kW	7.0	8.8	12.4	10.5	14.0	15.3
Rated capacity (T=+7°C)	Heating	kW	7.62 (2.72~8.72)	9.38 (2.70~11.14)	13.48 (2.05~14.27)	11.14 (2.81~13.19)	16.12 (3.7~18.02)	18.17 (4.69~20.52)
Rated absorbed power (T=+7°C)		kW	2.05 (0.50~2.88)	2.30 (0.43~2.90)	3.68 (0.34~4.29)	3.00 (0.78~4.67)	4.28 (0.95~5.82)	5.33 (1.04~6.03)
Rated energy performance coefficient		COP[3]	3.72	4.08	3.66	3.71	3.77	3.41
Energy efficiency class (average season)		626/2011[1]	A+	A+	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.0	4.0	4.0	4.0	4.0	4.0
Annual energy consumption		kWh/a	1911	2800	3360	2968	4263	4375
Theoretical load (Pdesignh) @-10° C		kW	5.4	8.0	9.6	8.4	12.1	12.5
Operating limits (outside temperature)	Cooling	°C	-15~50					
	Heating	°C	-15~24					
Electrical data								
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ			3-380~415V-50HZ		
Power cable		Type	3 x 4 mm²	3 x 4 mm²	3 x 6 mm²	5 x 2.5 mm²	5 x 2.5 mm²	5 x 4 mm²
Connection wires between I.U. and O.U.		no.	5 (2 of which shielded)					
Rated absorbed current (min~max)	Cooling	A	9.50 (2.10~12.40)	11.80 (2.00~15.50)	16.00 (1.50~19.10)	6.50 (1.40~8.20)	8.30 (1.80~9.40)	8.90 (2.00~11.60)
	Heating	A	8.90 (2.20~12.50)	10.60 (3.00~13.50)	16.20 (1.90~18.80)	4.70 (1.30~7.40)	6.80 (1.50~9.20)	8.80 (1.60~10.50)
Maximum current		A	13.5	16.5	22.5	10	11.2	14
Maximum absorbed power		kW	2.95	3.60	4.80	5.60	6.20	7.50
Refrigerant circuit								
Refrigerant (GWP)[4]			R32 (675)					
Quantity refrigerant pre-load		Kg	1.5	2	2.8	2.4	2.8	2.95
Tons of CO2 equivalent		t	1.013	1.350	1.890	1.620	1.890	1.991
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52(3/8") - ø15.88(5/8")					
Max. splitting length		m	50	50	50	65	65	65
Max height difference I.U./O.U.		m	25	25	30	30	30	30
Splitting length without additional load		m	5	5	5	5	5	5
Additional load		g/m	24	24	24	24	24	24
Indoor unit specifications								
Dimensions	LxDxH	mm	1100x774x249	1360x774x249	1200x874x300	1360x774x249	1200x874x300	1200x874x300
Net weight		Kg	31.5	40.5	47.6	40.5	47.6	47.6
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	42/40/38	47/43/40	51/50/48	47/43/40	51/50/48	54/52/51
Sound power level (I.U.)	Hi	dB(A)	62	63	68	63	68	71
Treated air volume	Hi/Mi/Lo	m³/h	1248/1054/839	1400/1150/750	2400/2040/1680	1400/1150/750	2400/2040/1680	2600/2210/1820
Fan static pressure	Std/Max	Pa	25/160	37/160	50/160	37/160	50/160	50/160
Motor power (Output)		W	90	250	560	250	560	560
Outside diameter of condensate drain		mm	ø25	ø25	ø25	ø25	ø25	ø25
Specifications of outdoor units								
Dimensions	LxDxH	mm	845x363x702	946x410x810	946x410x810	946x410x810	952x415x1333	952x415x1333
Net weight		Kg	66.8	56.9	73.9	81.5	106.7	111.3
Sound pressure level (O.U.)		dB(A)	62	60.5	67	64	66	66
Sound power level (O.U.)		dB(A)	65	69	74	68	72	74
Treated air (Max)		m³/h	2700	3600	3800	4000	7500	7500
Motor power (Output)		no. x W	1 x 115	1 x 150	1 x 150	1 x 150	2 x 126	2 x 126
Optional parts								
Wired remote control			YES					
Manual centralized control			YES					
Wi-Fi centralized control			HKM-WIFI LCAC					

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