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U-Fresh



CATALOG



U-FRESH



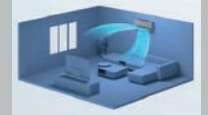
3D Airflow

The airflow can cover a wide area by blowing from left to right and from top to bottom.



Smart Airflow

In cooling mode, air is blown towards the ceiling to provide shower-style ventilation. In heating mode, air is blown towards the floor to provide blanket-style ventilation.



Fresh Air

To improve air quality in the room, it provides fresh air from outside at 30m³ or 60m³, depending on the consumer's choice.



Gentle Cooling

By redirecting the airflow using the Koanda effect, the air passes through micro-holes instead of directly, preventing a strong airflow and providing a gentle, shower-like airflow.



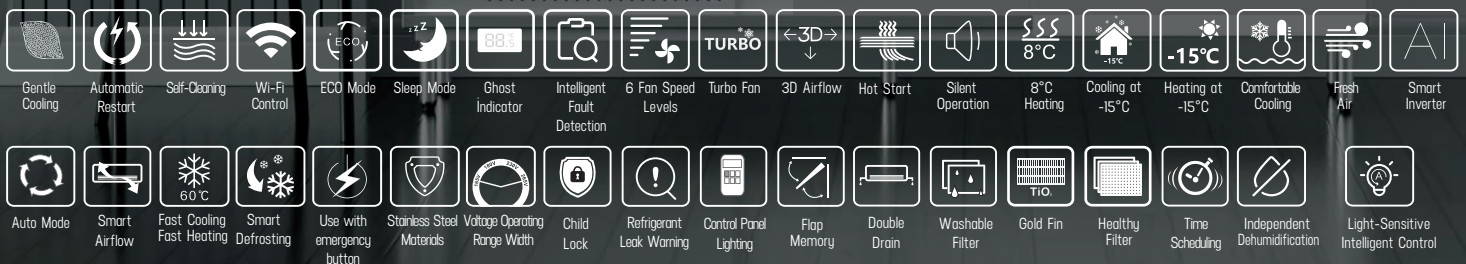
Self-Cleaning

The system provides sterilization with a high temperature of 55°C, which can eliminate some of the dust and bacteria that may accumulate on the evaporator surface of the indoor unit. It first freezes the indoor unit, then removes dust and bacteria from the evaporator through a defrosting process, and finally provides sterilization through a drying process.



Wi-Fi Control

Even when you're outdoors, control your air conditioner via Wi-Fi using your smartphone and mobile devices. It also allows you to monitor your energy consumption.



Technical Specifications			
Model Set Code		-	HNT-WC12VMCL/S
Indoor Unit Model Code		-	HNT-WC12VMCL/I
Outdoor Unit Model Code		-	HNT-WC12VMCL/O
Remote Control Type		-	Remote Control
Cooling Capacity		bTU/h	12.386 (3.412 ~ 13.649)
		W	3.630 (1000 ~ 4000)
Heating Capacity		bTU/h	13.307 (3.412 ~ 15.355)
		W	3.900 (1.000 ~ 4.500)
Pdesign	Cooling	W	3600
	Heating	W	2700
	Heating Hot Climate	W	3000
Energy Efficiency	Cooling	SEER	8,50
	Heating	SCOP	4,60
	Heating Hot Climate	SCOP	2,10
Energy Class	Cooling	-	A+++
	Heating	-	A++
	Heating Hot Climate	-	A+++
Average Annual Energy Consumption	Cooling	kwh/a	148
	Heating	kwh/a	822
	Hot Climate	kwh/a	824
Dehumidification Capacity		Liter/s	1,2
Audio Information			
IDU Sound Power Level	(S/H/M/L/Mute)	dB(A)	51/48/42/35/32
IDU Sound Pressure Level	(S/H/M/L/Mute)	dB(A)	41/38/33/27/22
ODU Sound Power Level		dB(A)	61
ODU Sound Pressure Level		dB(A)	51
Fan Information			
Indoor Unit Fan Type		-	Cross Fan
Indoor Unit Air Circulation		m ³ /h	660/660
Indoor Unit Fan Speed (Turbo/High/Medium/Low/Quiet)	Cooling	rpm	1270/1200/1070/900/780/700/600
	Heating	rpm	1270/1200/1100/1000/920/850/800
	Dehumidification	rpm	700
	Sleep	rpm	700/850
Outdoor Unit Fan Type		-	Propeller Fan
Outdoor Unit Air Circulation		m ³ /h	2200
Outdoor Fan Speed (Turbo/High/Medium/Low/Quiet)		rpm	1000
Electrical Information			
Power Supply / Mains		Volt, Hz, Ph	220-240V~/50Hz/1Ph
Electrical Supply		-	From the indoor unit
Electrical Supply Cable		Qty. x Sec.	3x1,5mm ²
Automatic Fuse Current (Non-Delayed)		A	16
Operating Voltage Range		V	165~265
Operating Current	Cooling	A	7.7(1.5~9.2)
	Heating	A	5.1(1.5~10.0)
Power Consumption	Cooling	W	921(290~1510)
	Heating	W	994(290~1950)
Intermediate Installation Information			
Intermediate Installation Cable		Qty. x Sec.	4x1.50 mm ²
Coolant Tube	Gas	in - (mm)	3/8"-(Ø9.52)
	Liquid	in - (mm)	1/4"-(Ø6.35)
Max. Piping Length Between IDU and ODU		m	25
Max. Elevation Difference Between IDU and ODU		m	10
Gas Charge-Free Piping Length		m	5
Additional Refrigerant Amount		Gram/Meter	20g/m
Refrigerant Type		-	R32
Refrigerant Quantity		kg	0.805
Global Warming Potential		-	675
CO ₂ Emission Value		Tonnes	0.544
Other Information			
Usage Area	Minimum ~ Maximum	m ²	14~22
Operating Temperature Range		°C	16~31
ODU Operation Temperature Range	Cooling	°C	-15~53
	Heating	°C	-20~30
IDU Operation Temperature Range	Cooling	°C	17~32
	Heating	°C	0~30
IDU Net Dimensions	W x H x D	mm	960x316x198
IDU Net Weight		kg	13
ODU Net Dimensions	W x H x D	mm	795x549x305
ODU Net Weight		kg	26,5
IDU Packaged Dimensions	W x H x D	mm	1035x390x360
IDU Gross Weight		kg	15
ODU Packaged Dimensions	W x H x D	mm	835x585x340
ODU Gross Weight		kg	29,5

Measurement Conditions: Cooling indoor 27°C D/19°C W/T, Cooling outdoor 35°C D/24°C W/T, Heating indoor 20°C D/T, Heating outdoor 7°C W/T.
[D/T: Dry Bulb; W/T: Wet Bulb] [EER and COP values were calculated according to EN 14511, SEER and SCOP values according to EN 14825 measurement standards].





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