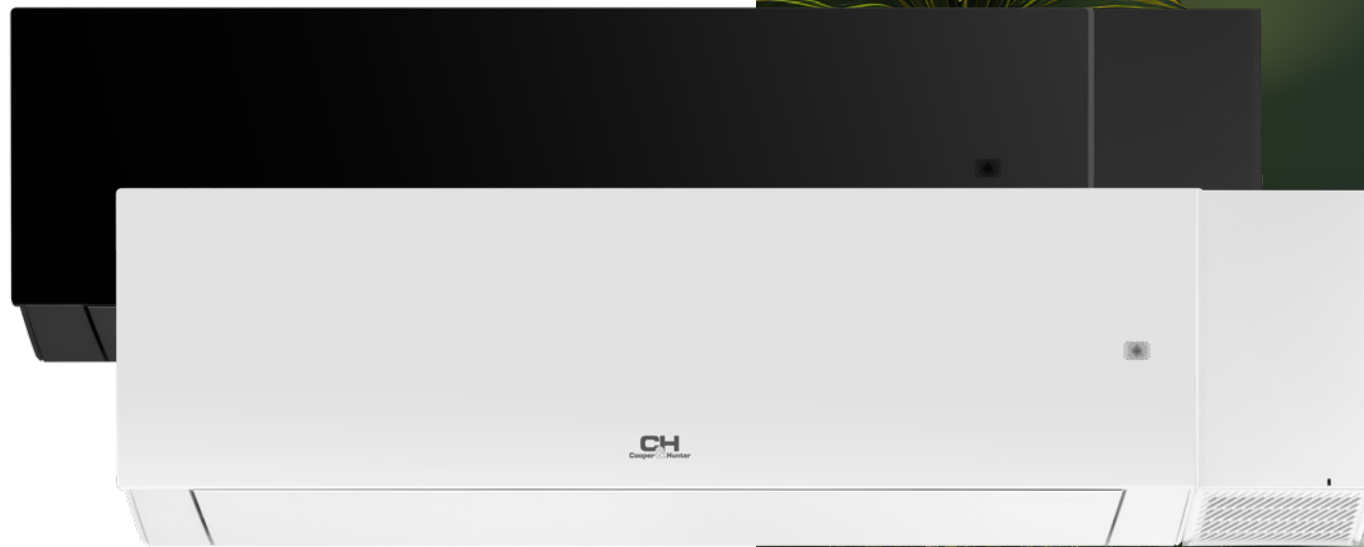5 YEARS A+++ +50℃ −25℃ Gen VI

NATURE
SERIES

Technolgy from the future
at your house

During creation of home design the most important thing is functionality & style. Nature Series are inspires not only by the product design. Basically, Nature Series are stands for innovations due to unique technologies you able to control indoor temperature/humidity but the most thing about **Nature is fresh air supply** via Nature heat pump. Fresh air comes from special device accessory. As a result, your home envinronmet is completed by fresh clean air from iutside without any sound distractions, dust and draughts.

In-built **CH-AI technology** provides deep analysis and research of parameters & adjustements to get the most effetive and safe-cost productivity.

Additionally Nature heat pump prroviding the precise neutralizing of bacteria & germs due to **CH-UV Cleaner** function.
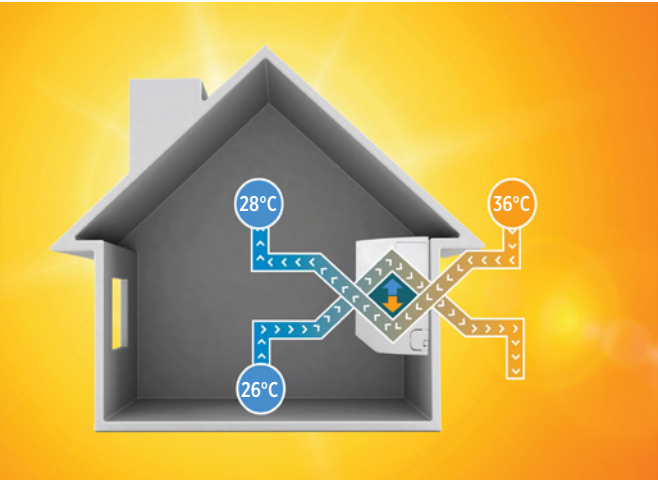
FRESH AIR KIT

UNIT

Compare to standard fresh air supply Fresh Air Kit unit providing heat/cooling recovery and saves energy costsduring heating/ cooling operation. The unit is separately connected and can operate autonomously. If you are looking for innovative fresh air recovery solution, Fresh Air Kit by Nature heat pump is made for you.

CH-HRV030S* Fresh Air Kit unit with heat exchanger

This fresh air module is available as an option for Cooper&Hunter's NATURE series air conditioners and allows you to utilize the thermal energy of the exhaust air using a unique heat recovery system. The module is easy to clean, and the electrical connection between the module with the indoor unit panel can be made in one simple step. Fresh and exhaust air is sucked in and filtered through a HEPA filter to ensure clean air in your your home. The filter is replaceable and easy to clean.

Pre-cooling of hot outdoor air before it is delivered to reduce indoor cooling losses.

Cooling test conditions
ΔT=8°C

Preheating of cold outside air before it is delivered to reduce heat loss in the room.

Heating test conditions
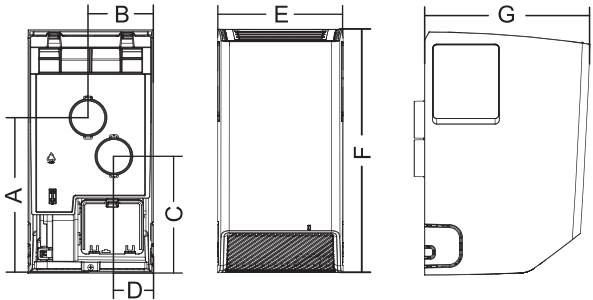ΔT=25°C

	Exhaust air intake		Fresh air intake	
	Dry-bulb temp, °C	Wet-bulb temp, °C	Dry-bulb temp, °C	Wet-bulb temp, °C
Heat exchange (cooling) efficiency	27	19.2	35	28
Heat exchange (heating) efficiency	21	13	5	2

		CH-HRV030S-*
Rated voltage	V	12±0,5
Power	W	13
Sound pressure max	dB (A)	42
Weight	kg	1.8

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
CH-HRV030S-*	187	79	141	49	151	293	200

* Unit can be dispatched in two various colours: white matt (WP)/black matt (BL)
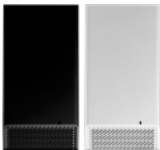
NATURE
Series

WP BL

Accessories (option)
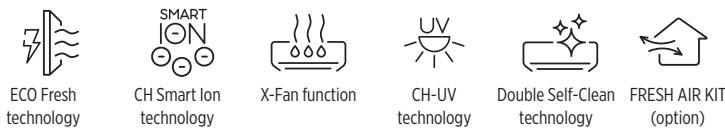
Wired controller CE50-24/E

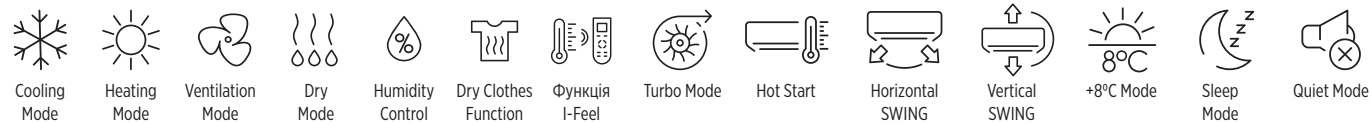Wired controller XK76

Wired controller CE52-24/F

Fresh Air Kit CH-HRV030S-*

Health functions

ECO Fresh technology
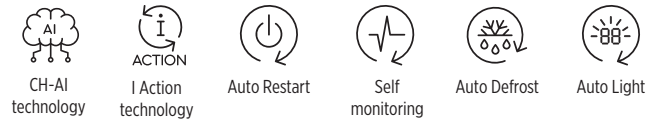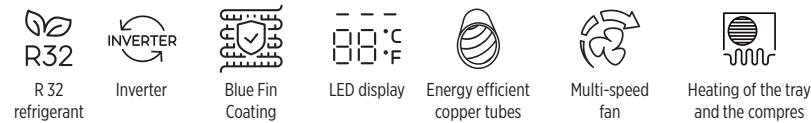
CH Smart Ion technology

X-Fan function

CH-UV technology

Double Self-Clean technology

FRESH AIR KIT (option)

Comfort functions

Cooling Mode | Heating Mode | Ventilation Mode | Dry Mode | Humidity Control | Dry Clothes Function | Функція I-Feel | Turbo Mode | Hot Start | Horizontal SWING | Vertical SWING | +8℃ Mode | Sleep Mode | Quiet Mode

Control functions

WiFi | Remote Control | Remote Control Lock | Daily timer | Connection to wired controller | Connection to BMS

Intelligent Functions

CH-AI technology | I Action technology | Auto Restart | Self monitoring | Auto Defrost | Auto Light

Technology functions

R 32 refrigerant | Inverter | Blue Fin Coating | LED display | Energy efficient copper tubes | Multi-speed fan | Heating of the tray and the compres

* Unit can be dispatched in two various colours: white matt (WP)/black matt (BL)

System			CH-S09FTXAN- ***	CH-S12FTXAN- ***	CH-S18FTXAN- ***	CH-S24FTXAN- ***
Capacity	Cooling	kW	2.7	3.51	5.3	7.1
	Heating	kW	3.0	3.81	5.6	7.3
Rated power	Cooling	kW	0.68	0.836	1.472	2.03
	Heating	kW	0.67	0.929	1.365	1.87
Energy efficiency	Cooling (SEER*)	kW/kW	8.5/A+++	7.2/A++	7.3/A++	7.0/A++
	Heating (SCOP**)	kW/kW	5.7/A+++	5.2/A+++	5.7/A+++	5.5/A+++

Indoor Unit		CH-S09FTXAN-***	CH-S12FTXAN- ***	CH-S18FTXAN- ***	CH-S24FTXAN- ***
Air frlow rate	m³/h	610/570/540/470/ 440/420/390/180	720/600/570/530/ 500/460/430/320	1000/880/760/650/ 620/600/550/260	1000/850/760/580/ 520/450/400/280
Sound level pressure	dB (A)	38/37/34/31/26/23/22/19	45/42/40/37/34/29/26/23	45/42/40/37/34/29/26/23	48/44/41/40/38/36/33/27
Druing	l/h	0.8	1.4	1.8	2.4
Weight	kg	9.5	9.5	13.0	13.0

	W (mm)	H (mm)	D (mm)
CH-S09FTXAN-***	837	293	200
CH-S12FTXAN-***	837	293	200
CH-S18FTXAN-***	993	311	222
CH-S24FTXAN-***	933	311	222
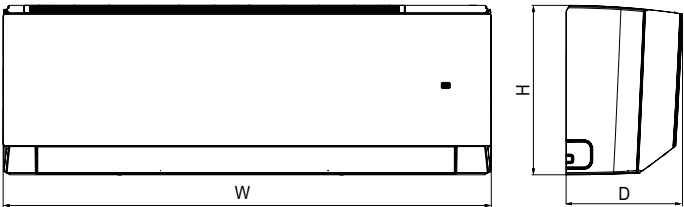
Outdoor Unit		CH-S09FTXAN-***	CH-S12FTXAN- ***	CH-S18FTXAN- ***	CH-S24FTXAN- ***
Sound level Pressure	dB (A)	50	56	59	59
Power supply		-220-240 V/50 Hz/1 Ph			
Compressor type		Rotary			
Тип холодоагенту		R32			
Temperature range (cooling)	℃	-15-50			
Temperature range (heating)	℃	-25-30			
Weight	kg	25.0	35.0	37.0	45.0
Distance between fixings	mm	455	528	528	570
Refrigerant charge	kg	0.53	0.57	0.85	1.4
Liquid pipe diameter	mm/inch	6.35 / 1/4"	6.35 / 1/4"	6.35 / 1/4"	6.35 / 1/4"
Gas pipe diameter	mm/inch	9.53 / 3/8"	9.53 / 3/8"	12.7 / 1/2"	15.88 / 5/8"
Max pipeline level difference	m	10	10	10	10
Pipeline max length	m	15	20	25	25

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
CH-S09FTXAN-***	732	675	455	555	285	330
CH-S12FTXAN-***	873	805	528	561	316	376
CH-S18FTXAN-***	873	805	528	561	316	376
CH-S24FTXAN-***	958	889	570	660	340	402
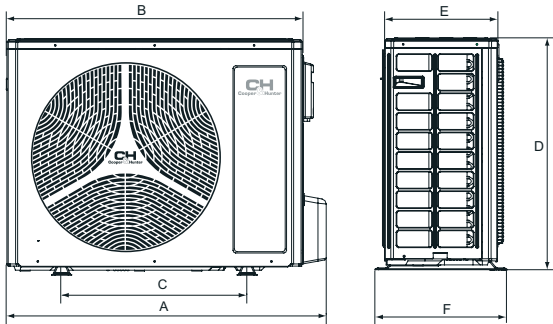
*Seer - Seasonal capacity factor of the system in cooling mode
** SCOP - Seasonal capacity factor of the system in heating mode
*** Unit can be dispatched in two various colours: white matt (WP)/black matt (BL)