

HAVA 4-way Cassette

HHSCP Series

Seamless ceiling look

With a body thickness of only 236 mm, the compact construction minimizes required ceiling space. This slim profile ranks among the slimmest designs in its high-efficiency class, enabling easier installation and greater flexibility in constrained ceiling areas.



Optimized airflow control

The HHSCP indoor unit features an advanced airflow management system that combines 360° round-flow air distribution, independent louver control, real-time airflow direction indication, and a wide swing angle of up to 88°, ensuring precise directional adjustment, even temperature balance across the room, and consistent comfort in both cooling and heating operation.

Smart eye dual-sensor system

The dual-sensor Smart Eye design uses two integrated sensors that work together to detect human presence across four separate zones. This dual-sensor configuration increases the detection area by more than 50% compared to single-sensor designs. Based on thermal imaging technology, the system can identify occupants without requiring large movements.

For optimal performance and minimized blind spots, a ceiling height of more than 3.5 m is recommended.





Thermal presence detection

After a comprehensive evaluation of detection response time, sensor accuracy, user privacy, and overall size, a dual infrared sensor solution was selected. This approach enhances detection reliability while maintaining a compact and discreet design.

Human detection is not possible within the sensor's blind zones. Detection performance may also be affected by heat sources, windows, or devices that emit heat.

Smart 4-zone airflow

The airflow in all four zones can be intelligently and independently controlled based on human presence. In Human Avoid Mode, the zone where a person is detected automatically switches to upward ceiling airflow, while zones without detected occupants maintain their normal airflow pattern.

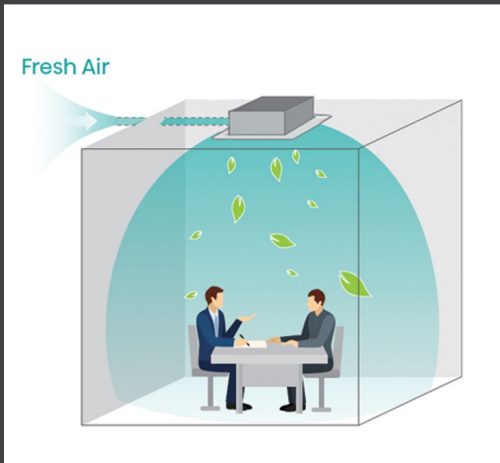
Energy saving

The system automatically reduces energy consumption by detecting whether occupants are present in the room. When people return, the system restores the previous comfort settings that were active before the room was vacated.

Saving Mode can be upgraded to Ultra-Saving Mode through field settings for even greater energy efficiency.

Ultra saving mode

When no occupants are detected in the room, the system automatically stops operation to minimize energy consumption. Using occupancy detection, it continuously evaluates whether the room is in use and, based on preset user conditions, shuts down the unit when the space becomes unoccupied.

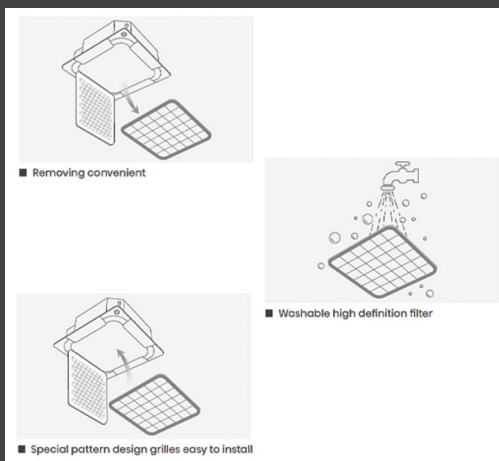
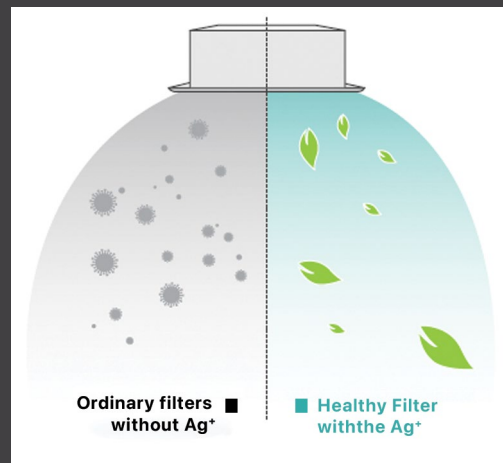


Fresh air inlet for better indoor air quality

The fresh air intake allows outdoor air to be introduced into the room, helping to improve overall indoor air quality. The fresh air volume should not exceed 20% of the total designed airflow.

Ag⁺ antibacterial filter

The HHSCP indoor unit comes equipped with a standard Ag⁺ health filter, which effectively inhibits the growth of bacteria and viruses, helping ensure a cleaner and healthier indoor air supply. It provides highly efficient antibacterial performance—achieving a 99.99% inhibition rate against *Escherichia coli* and *Staphylococcus aureus*.



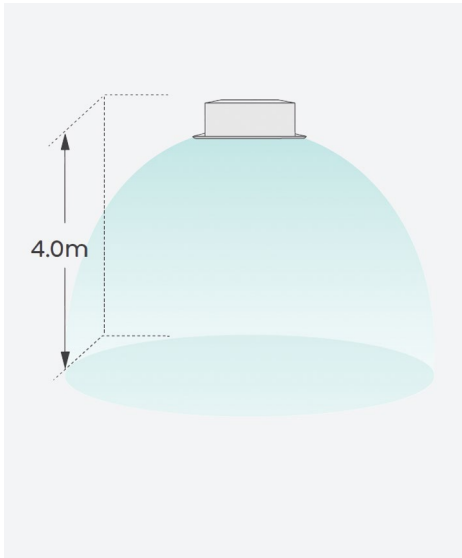
Easy-maintenance filter

The filter is fully washable, allowing dust and debris to be easily rinsed off. After cleaning, the grille can be reinstalled in any direction. Thanks to its special hexagon-and-triangle pattern design, the grille requires no directional adjustment, even in multi-unit installations. This ensures convenient removal, effortless cleaning, and smooth reinstallation while maintaining optimal filtration performance.



Humidity monitoring

A built-in humidity sensor is standard on the cassette unit. In Dry Mode, the room's relative humidity can be viewed either on the 888 LED display panel or through the wired controller YXE-C01U1(E)-HHPAC-HHPAC ensuring precise and convenient humidity monitoring.

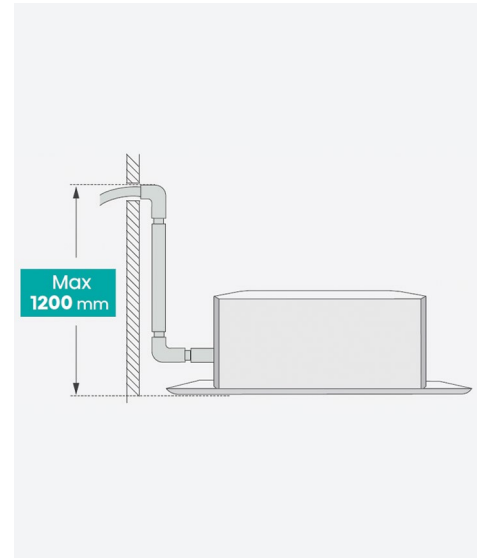
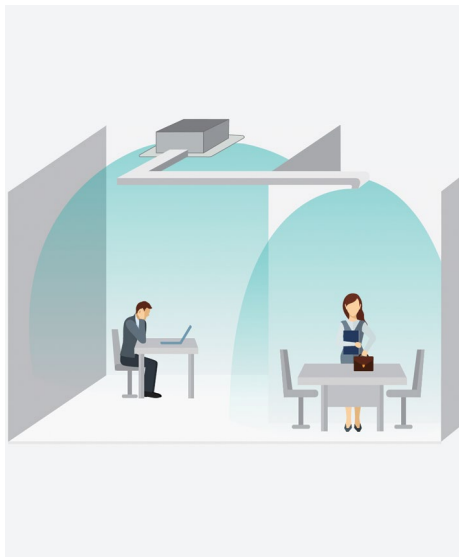


Optimized airflow for high ceilings

For installations in areas with high ceilings, the HHSCP unit's operating parameters can be adjusted via the wired controller to compensate for the increased mounting height. This ensures that comfortable airflow is effectively delivered down to floor level, even in large or vertically open spaces.

Enhanced airflow coverage

In spaces with irregular room layouts, the branch discharge option is especially useful, allowing the airflow to be extended into hard-to-reach corners without requiring additional indoor units. This provides broader air distribution and improved comfort across the entire area.



High-lift condensate pump

The integrated high-lift pump provides a maximum lifting height of up to 1,200 mm, allowing flexible and reliable condensate drainage in a wide range of installation conditions.

For stable long-term operation and smooth drainage, a recommended lifting height of ≤ 800 mm should be maintained.

Optimized G-Type heat exchanger

The HHSCP cassette features a G-type heat exchanger design with an expanded heat exchange surface area. Compared with traditional coil constructions, it delivers higher efficiency and improved energy savings.



Technical specifications for monosplit systems

HAVA PAC

HHSCP-105/125/140/175

Model				HHSCP-105U4K8	HHSCP-105U4K8	HHSCP-124U4K8	HHSCP-140U4K8	HHSCP-175U4K8
Seasonal efficiency	Cooling	Pdesignnc	kW	10,0	10,0	12,1	13,5	16,0
		SEER	kW/kW	7,50	7,50	7,50	7,00	6,10
		ηs,c	100%	354%	354%	297%	277%	241%
		Energy Efficiency Class	-	A++	A++	NA	NA	NA
	Heating (Average Season)	Pdesignnc	kW	8,0	8,0	9,0	9,0	10,0
		SCOP	kW/kW	4,60	4,60	4,50	4,50	4,00
		ηs,c	100%	216%	216%	177%	177%	157%
		Energy Efficiency Class	-	A++	A++	NA	NA	NA
	Heating (Warmer Season)	Pdesignnc	kW	8000	8000	9,0	9,0	10,0
		SCOP	kW/kW	5,40	5,40	5,40	5,40	4,90
		ηs,c	100%	254%	254%	213%	213%	193%
		Energy Efficiency Class	-	A+++	A+++	NA	NA	NA
Cooling	Capacity	Nominal	Btu/h	34120	34120	41285	46062	54592
		Nominal	kW	10,0	10,0	12,1	13,5	16,0
		Min - Max	kW	2,7~12,0	2,7~12,0	3,8~13,3	4,2~15,6	5,0~18,0
	EER	Nominal	kW/kW	3,85	3,85	4,01	3,51	2,91
Heating	Capacity	Nominal	Btu/h	37532	37532	46062	54592	59710
		Nominal	kW	11,0	11,0	13500	16,0	17,5
		Min - Max	kW	2,7~13,0	2,7~13,0	3,3~14,5	3,6~17,2	5,0~21,0
	COP	Nominal	kW/kW	3,90	3,90	3,80	3,44	2,97
Indoor Unit	Dimension	W×H×D	mm	840x272x840	840x272x840	840x272x840	840x272x840	840x272x840
	Weight	Net/Gross	kg	26/32	26/32	26/32	26/32	26/32
	Air Volume	Hi/Med/Lo	m³/h	1650/1400/1150	1650/1400/1150	2000/1750/1550	2000/1750/1550	2100/1850/1600
	Sound Level (SPL)	Hi/Med/Lo	dB(A)	50/46/42	50/46/42	52/49/46	52/49/46	54/51/48
	Sound Level (PWL)	Hi	dB(A)	62	62	64	64	66
	Sound Level (PWL)	Level	-	C	C	-	-	-
Panel	Model	-	Pa	PE~QFA/CD	PE~QFA/CD	PE~QFA/CD	~PE~QFA/CD	PE~QFA/CD
	Dimension	W×H×D	Pa	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950
	Weight	Net/Gross	Pa	6,5/9,0	6,5/9,0	6,5/9,0	6,5/9,0	6,5/9,0

HHSE-26/35/52 Monosplit Outdoor Unit

Model				HHSE-105U4W8	HHSE-105U6W8	HHSE-125U6W8	HHSE-140U6W8	HHSE-175U6W8
Outdoor unit	Dimension	W×H×D	mm	1100x875x450	1110x875x450	1100x875x450	1100x875x450	1100x875x450
	Weight	Net/Gross	kg	84/95	84/95	94/105	94/105	94/105
	Sound Level (SPL)	Hi	dB(A)	57	57	60	60	62
	Sound Level (PWL)	Hi	dB(A)	69	69	73	74	75
	Sound Level (PWL)	Level	-	D	D	-	-	-
	Refrigerant	Type	-	R32	R32	R32	R32	R32
		Amount	kg	2,65	2,65	3,00	3,20	3,40
		TCO2Eq	-	1,789	1,789	2,025	2,160	2,295
		GWP	-	675	675	675	675	675
	Refrigerant piping	Liquid/ Gas	mm (inch)	φ 9,52/φ 15,88(3/8/5/8')	φ 9,52/φ 15,88(3/8/5/8')	φ 9,52/φ 15,88(3/8/5/8')	φ 9,52/φ 15,88(3/8/5/8')	φ 9,52/φ 15,88(3/8/5/8')
Pipe length		Max. equivalent T1 Climate	m	75	75	75	75	85
Pipe length		Max. equivalent Full Range	m	50	50	60	60	75
Height difference		Max. (OD lower)	m	30	30	30	30	30
		Max. (OD higher)	m	30	30	30	30	30
ADD Refrigerant AMOUNT		g/m	35	35	35	35	35	
PIPE LENGTH FOR ADDITIONAL Refrigerant		m	7,5	7,5	7,5	7,5	7,5	
Operating Range (Outdoor)	Cooling	°C	-15~52	-15~52	-15~52	-15~52	-15~52	
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	
Operating Range (Outdoor)	Cooling	°C	-15-52	-15-52	-15-52	-15-52	-15-52	
	Heating	°C	-20-24	-20-24	-20-24	-20-24	-20-24	