

HAVA Duct

HHSD Monosplit Series



Space-efficient & slim design

The HHSD indoor unit allows reliable installation in buildings with narrow ceiling voids and limited available space. All models in the series maintain a compact profile, ensuring smooth integration across a wide range of architectural conditions.



High-durability nylon filtration

All HHSD duct units are equipped with a durable nylon filter. Its long-life design minimizes the need for frequent cleaning or replacement, while the washable construction allows dust to be easily rinsed away, ensuring simple maintenance and consistent airflow performance.

High-lift condensate pump

The integrated high-lift pump provides a maximum lifting height of up to 1,200 mm, ensuring flexible condensate drainage even in challenging installation conditions.

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

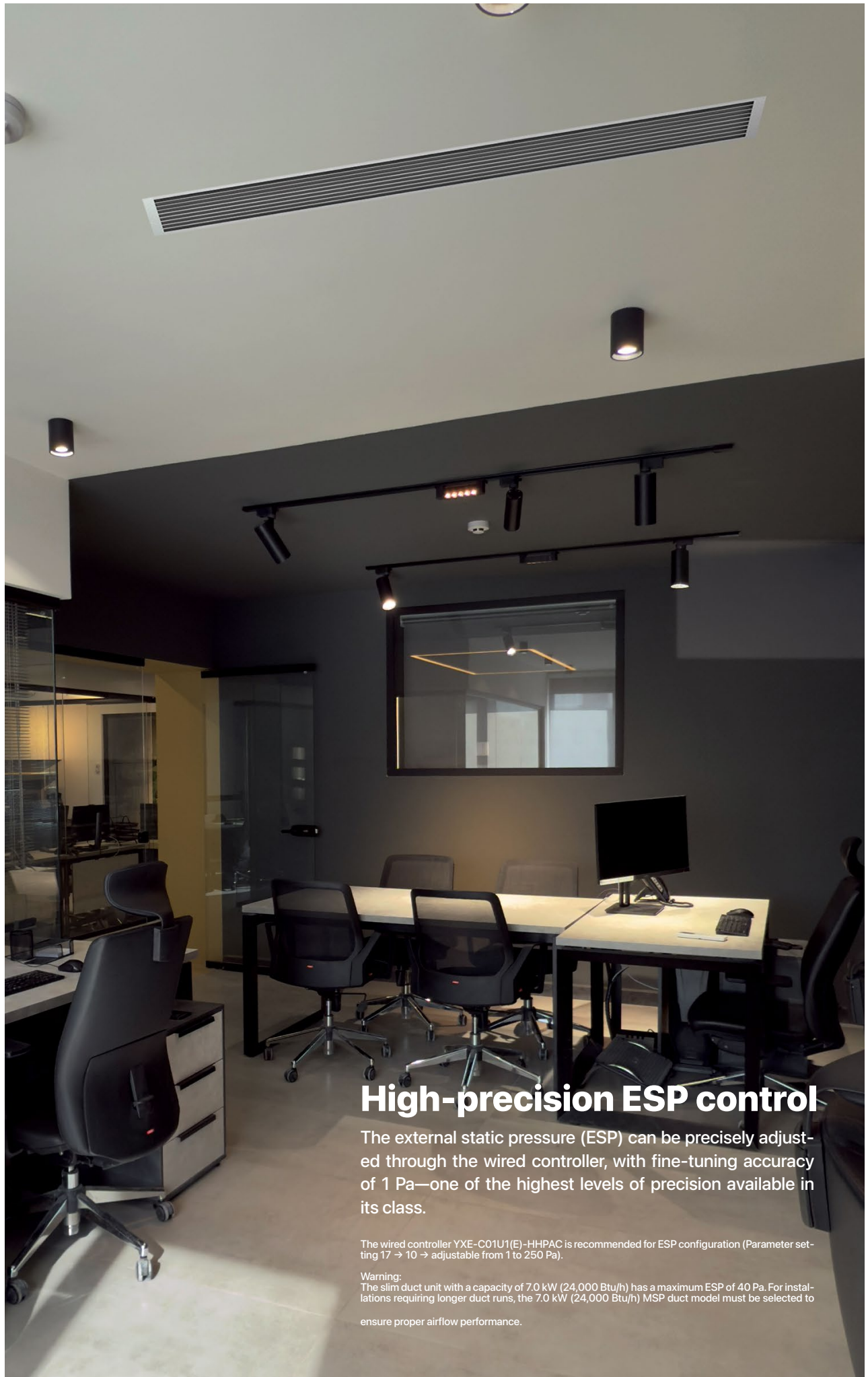
Enhanced condensate safety protection

The float switch ensures that the water level remains safely controlled, even in the event of pump failure or a blocked drain, providing dual protection against water leakage. All Hisense duct units come standard with a float switch. The drain pan is designed with a large capacity, allowing it to hold all condensate that may return through the drain pipe during a sudden power outage.

Operating Logic:

- 01 Normal Operation**
When the drain system is functioning properly, the float switch remains in the low position, and the duct unit operates normally.
- 02 Pump Failure / Rising Water**
If the pump stops working and the water level increases, the enlarged drain pan allows the unit to continue operating without overflow.
- 03 High Water Level Alarm**
When the water level reaches the float switch alarm point, the unit automatically stops to prevent leakage.





High-precision ESP control

The external static pressure (ESP) can be precisely adjusted through the wired controller, with fine-tuning accuracy of 1 Pa—one of the highest levels of precision available in its class.

The wired controller YXE-C01U1(E)-HHPAC is recommended for ESP configuration (Parameter setting 17 → 10 → adjustable from 1 to 250 Pa).

Warning:
The slim duct unit with a capacity of 7.0 kW (24,000 Btu/h) has a maximum ESP of 40 Pa. For installations requiring longer duct runs, the 7.0 kW (24,000 Btu/h) MSP duct model must be selected to ensure proper airflow performance.

HAVA PAC

HHSD-71/105/125/140/175

Model				HHSD-71U4F8	HHSD-105U4E8	HHSD-105U4E8	HHSD-125U4E8	HHSD-140U4E8	HHSD-175U4E8
Seasonal efficiency	Cooling	Pdesignc	kW	7,0	10,0	10,0	12,1	13,5	16,0
		SEER	kW/kW	7,20	7,10	7,10	7,50	7,00	6,10
		ηs,c	100%	340%	335%	335%	297%	277%	241%
		Energy Efficiency Class	-	A++	A++	A++	NA	NA	NA
	Heating (Average Season)	Pdesignc	kW	5,5	8,0	8,0	9,0	9,0	10,0
		SCOP	kW/kW	4,60	4,40	4,40	4,50	4,50	4,00
		ηs,c	100%	216%	207%	207%	177%	177%	157%
		Energy Efficiency Class	-	A++	A+	A+	NA	NA	NA
	Heating (Warmer Season)	Pdesignc	kW	5500	8,0	8,0	9,0	9,0	10,0
		SCOP	kW/kW	5,40	5,40	5,40	5,40	5,40	5,20
		ηs,c	100%	254%	254%	254%	213%	213%	205%
		Energy Efficiency Class	-	A+++	A+++	A+++	NA	NA	NA
Cooling	Capacity	Nominal	Btu/h	23884	34120	34120	41285	46062	54592
		Nominal	kW	7,0	10,0	10,0	12,1	13,5	16,0
		Min - Max	kW	2,0~9,0	2,7~12,0	2,7~12,0	3,9~13,2	4,3~15,5	5,0~18,0
	EER	Nominal	kW/kW	4,00	3,80	3,80	3,90	3,51	3,00
Heating	Capacity	Nominal	Btu/h	27296	37532	37532	46062	54592	58004
		Nominal	kW	8000	11000	11000	13,5	16,0	17,0
		Min - Max	kW	2,0~10,2	2,7~13,0	2,7~13,0	3,4~14,4	3,7~17,1	5,0~21,0
	COP	Nominal	kW/kW	4,06	4,00	4,00	4,01	3,72	3,71
Indoor Unit	Dimension	W×H×D	mm	1100×245×700	1400×300×800	1400×300×800	1400×300×800	1400×300×800	1400×300×800
	Weight	Net/Gross	kg	33/39	51/57	51/57	51/57	51/57	51/57
	Air Volume	Hi/Med/Lo	m³/h	1360/1150/1000	2000/1800/1600	2000/1800/1600	2400/2200/1900	2400/2200/1900	2500/2250/1900
	Sound Level (SPL)	Hi/Med/Lo	dB(A)	40/37/34	42/39/36	42/39/36	43/40/37	43/40/37	46/41/37
	Sound Level (PWL)	Hi	dB(A)	54	59	59	63	64	65
	Sound Level (PWL)	Level	-	B	C	C	~	~	~
	External Static Pressure	Rated	Pa	25+10	37+10	37+10	50+10	50+10	50+10
		Before Shipment	Pa	100	100	100	100	100	100
Range		Pa	0~150	0~200	0~200	0~200	0~200	0~200	

HHSE-26/35/52 Monosplit Outdoor Unit

Model				HHSE-71U4K8	HHSE-105U4W8	HHSE-105U6W8	HHSE-125U6W8	HHSE-140U6W8	HHSE-175U6W8	
Outdoor unit	Dimension	W×H×D	mm	900x750x340	1100x875x450	900x1170x32	1100x875x450	1100x875x450	1100x875x450	
	Weight	Net/Gross	kg	53/57	84/95	81/90	94/105	94/105	94/105	
	Sound Level (SPL)	Hi	dB(A)	56	57	57	60	60	62	
	Sound Level (PWL)	Hi	dB(A)	68	69	68	73	74	75	
	Sound Level (PWL)	Level	-	D	D	D	~	-	-	
	Refrigerant	Type	-	R32	R32	R32	R32	R32	R32	R32
		Amount	kg	1,50	2,65	2,65	3,00	3,20	3,40	
		TCO2Eq	-	1,013	1,789	1,789	2,025	2,160	2,295	
GWP		-	675	675	675	675	675	675		
Refrigerant piping	Liquid/ Gas	mm(inch)	φ9,52/ φ15,88(3/8"/5/8')	φ9,52/ φ15,88(3/8"/5/8')	φ9,52/ φ15,88(3/8"/5/8')	φ9,52/ φ15,88(3/8"/5/8')	φ9,52/ φ15,88(3/8"/5/8')	φ9,52/ φ15,88(3/8"/5/8')	φ9,52/ φ15,88(3/8"/5/8')	
	Pipe length	Max. equivalent T1 Climate	m	70	75	75	75	75	85	
	Pipe length	Max. equivalent Full Range	m	50	50	50	60	60	75	
	Height difference	Max. (OD lower)	m	30	30	30	30	30	30	
		Max. (OD higher)	m	30	30	30	30	30	30	
	ADD Refrigerant AMOUNT	g/m	35	35	35	35	35	35		
	Pipe length for additional refrigerant	m	5	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	~15~52		
	Heating	°C	~20~24	~20~24	~20~24	~20~24	~20~24	~20~24		