

HAVA Slim Duct

HHXD Series



Refined slim profile

The HHXD slim duct unit, offered in capacities from 2.5 kW to 5.0 kW, features an ultra-compact height of just 190 mm, enabling effortless installation in tight ceiling voids and space-restricted applications.

Flexible air inlet configuration

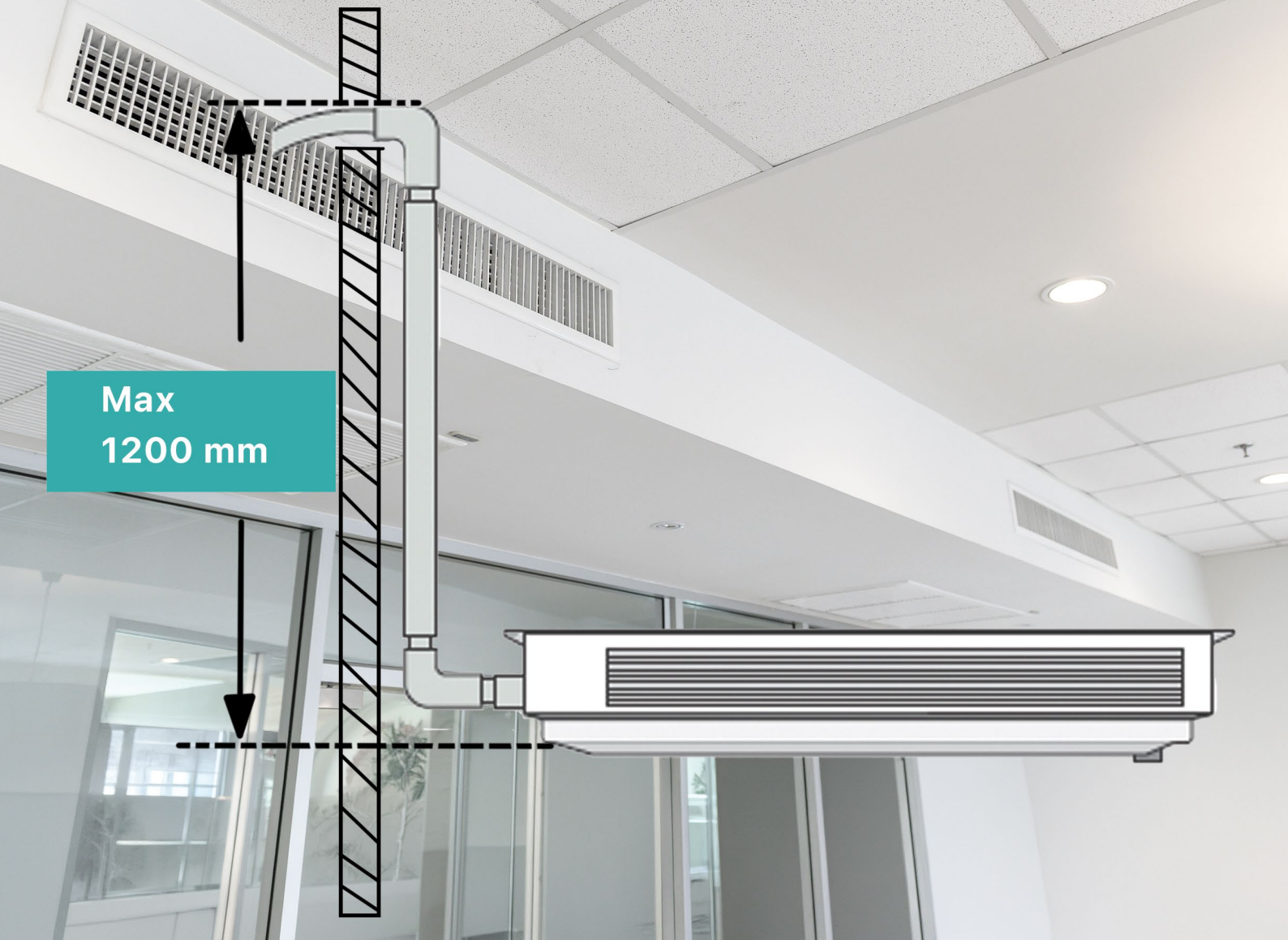
The air inlet can be configured for either rear or bottom suction, providing installation flexibility whether the unit operates in an open configuration or is connected to external return-air grilles.

Rear suction is recommended, as it delivers lower sound levels—typically around 5 dB(A) quieter than bottom suction.



High-durability nylon filtration

All HHXD 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.

Technical specifications for monosplit systems

HAVA PAC

HHXD-26/35/52

Model				HHXD-26U4B8	HHXD-35U4B8	HHXD-52U4C8
Seasonal efficiency	Cooling	Pdesignc	kW	2,6	3,5	5,0
		SEER	kW/kW	7,2	7,0	7,0
		ηs,c	100%	340%	330%	330%
		Energy Efficiency Class	-	A++	A++	A++
	Heating (Average Season)	Pdesignc	kW	3,0	3,0	4,0
		SCOP	kW/kW	4,30	4,3	4,6
		ηs,c	100%	202%	202%	216%
		Energy Efficiency Class	-	A+	A+	A++
	Heating (Warmer Season)	Pdesignc	kW	3,0	3,0	4,0
		SCOP	kW/kW	5,35	5,35	5,35
		ηs,c	100%	252%	252%	252%
		Energy Efficiency Class	-	A+++	A+++	A+++
Cooling	Capacity	Nominal	Btu/h	8871	11942	17060
		Nominal	kW	2,6	3,5	5,0
		Min - Max	kW	1,3~3,6	1,3~4,2	1,5~7,0
	EER	Nominal	kW/kW	4,41	4,02	3,90
Heating	Capacity	Nominal	Btu/h	10918	13648	18766
		Nominal	kW	3,2	4,0	5,5
		Min - Max	kW	1,3~4,0	1,3~5,0	1,5~7,3
	COP	Nominal	kW/kW	4,31	4,0	4,15
Indoor Unit	Dimension	W×H×D	mm	910×190×447	910×190×447	1180×190×447
	Weight	Net/Gross	kg	18,0/21,5	18,0/21,5	24,5/29,5
	Air Volume	Hi/Med/Lo	m³/h	600/484/400	600/484/400	900/840/780
	Sound Level (SPL)	Hi/Med/Lo	dB(A)	36/33/30	36/33/30	41/37/33
	Sound Level (PWL)	Hi	dB(A)	53	53	57
	Sound Level (PWL)	Level	-	B	B	C
	External Static Pressure	Rated	Pa	25+10	25+10	25+10
	Before Shipment	Pa	35	35	35	
	Range	Pa	0~50	0~50	0~50	

HHSE-26/35/52 Monosplit Outdoor Unit

Model				HHSE-26U4S8	HHSE-35U4S8	HHSE-52U4J8
Outdoor unit	Dimension	W×H×D	mm	810×580×280	810×580×280	860×670×310
	Weight	Net/Gross	kg	34/38,5	34/38,5	44/48
	Sound Level (SPL)	Hi	dB(A)	51	51	53
	Sound Level (PWL)	Hi	dB(A)	62	62	64
	Sound Level (PWL)	Level	-	C	C	C
	Refrigerant	Type	-	R32	R32	R32
		Amount	kg	0,87	0,87	1,20
		TCO2Eq	-	0,587	0,587	0,810
GWP		-	675	675	675	
Refrigerant piping	Liquid/ Gas		mm(inch)	Φ6,35/Φ9,52(1/4'/3/8')	Φ6,35/Φ9,52(1/4'/3/8')	Φ6.35/Φ12.7(1/4'/1/2')
	Pipe length	Max. equivalent T1 Climate	m	35	35	55
	Pipe length	Max. equivalent Full Range	m	30	30	50
	Height difference	Max. (OD lower)	m	15	15	30
		Max. (OD higher)	m	15	15	30
	ADD Refrigerant AMOUNT		g/m	15	15	15
	PIPE LENGTH FOR ADDITIONAL Refrigerant		m	5	5	5
Operating Range (Outdoor)	Cooling		°C	-15~52	-15~52	-15~52
	Heating		°C	-20~24	-20~24	-20~24

Technical specifications for multisplit systems

HAVA PAC

HHXD-26/35/52

Model		HHXD-26U4B8	HHXD-35U4B8	HHXD-52U4C8
Cooling capacity	kW	2,6	3,5	5,0
Heating capacity	kW	3,2	4,0	5,5
Air flow	m ³ /h	600/484/400	600/484/400	900/840/780
Noise Level (Sound Power)	dB(A)	50	50	57
Noise Level (Sound Pressure)	dB(A)	36/33/30	36/33/30	41/37/33
Net Dimension - Indoor Unit (WxHxD)	mm	910×190×447	910×190×447	1180×190×447
Net Weight - Indoor Unit	kg	18	18	24,5
Diameter(Liquid)	mm	Φ6,35(1/4')	Φ6,35(1/4')	Φ6,35(1/4')
Diameter(Gas)	mm	Φ9,52(3/8')	Φ9,52(3/8')	Φ12,7(1/2')

+ Combination Table for multisplit system

Model	HHXD		
	2,5 kW	3,5 kW	5,0 kW
HHXE-2MC52U4X	√	√	
HHXE-3MC72U4J	√	√	√
HHXE-4MC81U4J	√	√	√
HHXE-5MC105U4Q	√	√	√