Accessories

Accessories	Model	Function	Compatibility
Water temperature sensor	HTS-E1000A1	Water temperature sensor for pipeline, tank and hydraulic components.	Hi-Therma Series
3-way valve	HESE-3W25A	Valve to divert different water flow for different operation	Hi-Therma Series
Hi-Mit II adapter	HCCS-H64H2C1M#01	Hi-Mit II smart APP solution.	Hi-Therma Series
Thermal tank	HDHWT-200L30HE HDHWT-300L30HE	DHW Tank	Hi-Therma Series
Indoor ambient temperature sensor	HCT-S01E	Wall mounted room temperature sensor, with communication to heat pump system.	Hi-Therma Series
Wired remote controller	HSXE-VC04	Room thermostat for room temperature control, with communication to heat pump system.	Hi-Therma Series
Second outdoor ambient temperature sensor	HC-T-01M	Detect Outdoor ambient temperature with the second sensor	Hi-Therma Series
Electronic anode	HOPT-EAT01	Protect the inner tank of the water heater, enhance its corrosion resistance, and prolong its service life.	Hi-Therma Integra
Colorful touch controller	HSXM-FE01	Touch controller for room temperature control and mode adjustment with communication to heat pump system.	Hi-Therma Integra & Split (only for 10~16kW)

Hisense

Qingdao Hisense HVAC Equipment Co., Ltd. Hisense Tower, Qingdao, China





f Hisense HVAC











HCAC-LL-ATWESP202304

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Hisense





Two Separate Temperature Cycles

Two temperature zones through the separate heating cycles is possible with the mixing valve kit, enabling different water temperatures for underfloor heating and the radiator.



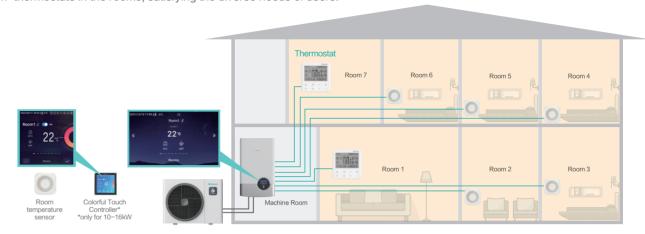
High Efficiency A+++

Hi-Therma offers the best and efficient solution for home heating and hot water supply. It has the top class A+++ energy classification under the low-temperature water condition, and A++ under the mid-temperature water condition, which ensures you make savings on your energy bills, reducing electricity consumption and the impact on the environment.



Up to 7 Rooms with Independent Temperature Control

In one Hi–Therma system, the temperature of up to 7 rooms can be independently controlled through installing temperature sensors or room–thermostats in the rooms, satisfying the diverse needs of users.



*Note: In one Hi-Therma system, up to 2 room thermostats and max. 6 wall mounted temp. sensors can be connected.

Smart App Control

Through the smart app, users can access the Hi-Therma system easily to control the room temperature at anytime and anywhere.



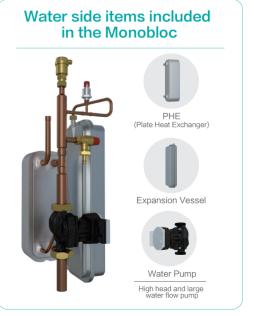




Simplified Installation

Hi-Therma Monobloc unit featuring all-in-one design allows easy installation without additional refrigerant piping work and refrigerant charge. Only the connection of water pipes is required on site, which greatly simplifies the on-site installation work.





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Colorful Touch Controller*

Access and customize your device's important settings with ease through the colorful touch controller, enabling precise temperature and mode adjustments with just a few taps.



One-click Configuration

Configure your device with ease using the new "One-click Configuration" feature that allows for quick setup in just 3 simple steps, with the ability to preset up to 6 scenarios for ultimate convenience and simplicity. *

*Note: Only supports pre-stored maximum of 6 scenarios.



Stylish Controller in Indoor Unit

Excellent human-computer interaction experience

The indoor unit has a built-in large colorful screen wired controller, which can be easily operated through the knob and the buttons, and all water cycles and rooms can be configured separately. The main interface can intuitively displays the settings of each water cycles and the current water temperature in real time. The LED light strip around the wire controller can intuitively indicate the current operating mode.



Energy consumption display

Energy data can be viewed easily, including annual energy data, monthly energy data, daily energy data, which will help users to do effective energy management.

Light strip

system.



Orange: domestic hot water mode.

Red: malfunction



Quick access

Quick access to frequent settings, including six items - lock, DHW boost, holiday, quiet mode, auto heat, night-shift mode. All these functions can be activated according to users' need.

Fluency of knob operation

All the operations can be accessed through the knob

High-resolution colorful screen

The HD colorful screen delivers stunning and clear visual reference, enabling excellent user experience.

Proper interface zones

There are four functional zones, Cycle 1, Cycle 2, DHW, SWP. Each zone has intuitive parameter display, easy to check and set.

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Plate Heat Efficiency and Anti-Freeze

Hi-therma Integra is equipped with advanced major components including a high-efficiency plate heat exchanger, DC large-flow pump, 3-level electric heater, and large volume water tank, ensuring the in-house installation is easy and free of water freezing issues.



Premium Stainless Steel Water Tank

Featuring a DUPLEX 2205 material that delivers high-quality water with minimal maintenance costs, the water tank also comes standard with electric heating and sterilization functions that can be controlled separately.

For areas with poor water quality, the optional electronic anode provides an extra layer of protection for enhancing corrosion resistance and extending the tank's lifespan.

High Efficiency A+++ A+

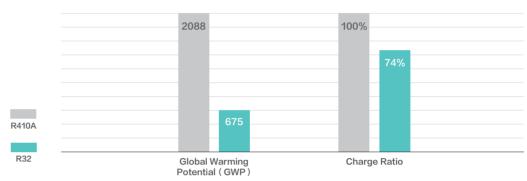
Eco-Friendly Refrigerant R32

The R32 Refrigerant meets the F-gas regulation standards described in EU regulation 517/2014. The Hisense Hi-Therma heat pump system adopts and fully utilizes the R32 Refrigerant, which is a good solution for achieving the new European CO₂ emission targets.

Features

- Zero Ozone Depletion Potential (ODP)
- Lower Global Warming Potential (GWP)
- Less charge amount under the same capacity
- Single component refrigerant, easy to handle and recycle







2. Followed by (EU) No 811/2013, (EU) No 813/2013, (EU) No 814/2013

Save Space

Integration of the water tank and control components together can save you up to 30% space in your home or facility, giving you more opportunities and possibilities to use your space for other things.



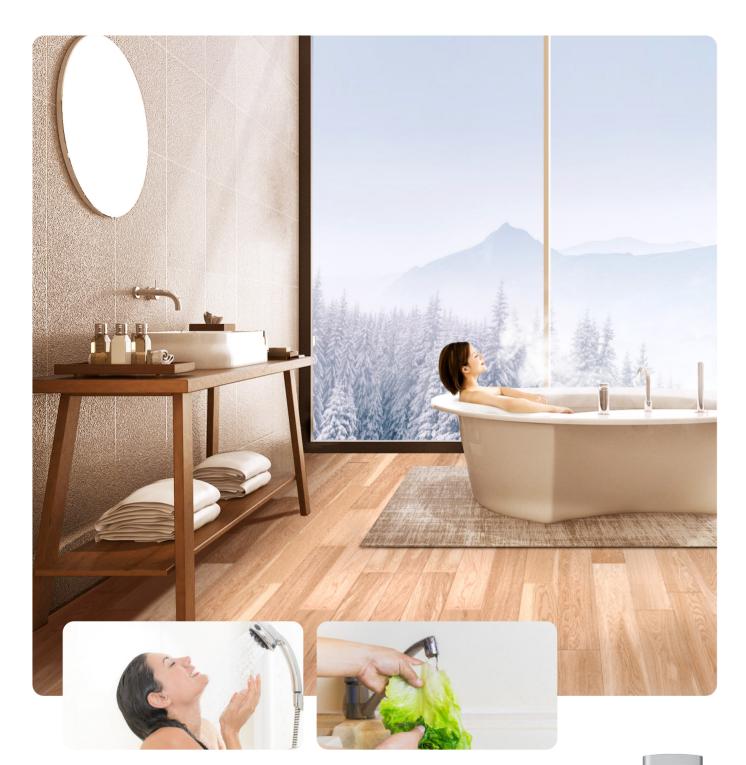
Easy Transportation Especially designed with a one-

Especially designed with a one-piece-fits-all size, transporting or moving it with any cart or trolley becomes easy and convenient. Place it wherever you like without a hassle.



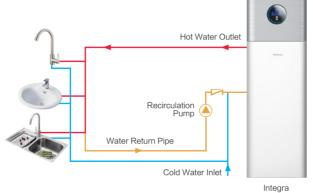
Note: *Compared to Hi-Therma Split + 230L DHW Tank

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Zero Cold Water

With a circulating pump equipped in pipeline, Integra can cycle cold water into the heater, creating a constant flow of heat within the pipeline, for continuous hot water. No buffer time required. Your entire house or facility will always have set-temperature hot water for instant use.



High Efficiency and Excellent Performance

















User Convenience









Easy Installation and Maintenance









High Intelligence









Product Lineup Overview

	Series	Max Temp. of Outlet Water	Power Supply	Capacity
	R32			4.4 kW
		60℃	AC1Φ, 220~240V/50Hz	6.0 kW
	Split			8.0 kW
	R32	Preview		10.0 kW
	ō	65℃	AC1Φ, 220~240V/50Hz	12.0 kW
	Split	000	(AC 3Φ, 380-415V/50Hz)	14.0 kW
	Spiit			16.0 kW
	R32	00%	A04 a 200 040 V/F01 In	4.4 kW
프	Monobloc	60℃	AC1Φ, 220~240V/50Hz	8.0 kW
Hi-Therma	R32	Preview	AC1Φ, 220~240V/50Hz (AC 3Φ, 380-415V/50Hz)	10.0 kW
		65℃		12.0 kW
	Monobloc	65 C		14.0 kW
	WOTODIOC			16.0 kW
	R32			4.4 kW
		60℃	AC1Φ, 220~240V/50Hz	6.0 kW
	Integra			8.0 kW
	R32	Preview		10.0 kW
	6	65℃	AC1Φ, 220~240V/50Hz	12.0 kW
		03.0	(AC 3Φ, 380-415V/50Hz)	14.0 kW
	Integra			16.0 kW

Specification

Split (4~8kW)







					<u> </u>					
Model	4	HP	Outdoor Unit		2.0 AHW-044HCDS1	2.5 AHW-060HCDS1	3.0 AHW-080HCDS1			
		r Supply	Odidoor Offic		AIN OTHIODSI	AC 10, 220~240V/50Hz	71111 00011CD31			
		IWT/OWT 30 / 35℃	Capacity (Min./Nom./Max.)	kW	1.85 / 4.40 / 7.00	1.95 / 6.00 / 8.90	2.10/ 8.00 / 11.0			
Nominal Heating Operation*1	OAT (DB/WB)		COP (Nom./Max.)	-	5.10/5.00	5.00/4.64	4.90/4.31			
	7/6℃	IWT/OWT 47 / 55℃	Capacity	kW	6.00	7.50	9.00			
			COP		2.90	2.96	2.75			
	0.17 (0.011/0)	IWT/OWT 30 / 35°C	Capacity	kW	6.10 3.93	7.20 3.34	8.50 3.38			
	OAT (DB/WB) 2/1℃		Capacity	kW	5.20	6.60	7.20			
	2/10	IWT/OWT 47 / 55°C	COP	-	2.27	2.32	2.15			
			Capacity	kW	5.00	5.90	7.30			
	OAT (DB/WB)	IWT/OWT 30 / 35℃	COP	-	2.51	2.38	2.56			
	-7/-8°C	IWT/OWT	Capacity	kW	4.20	5.10	6.40			
		47 / 55°C	COP	-	1.83	1.81	1.82			
		IWT/OWT 12 / 7℃	Nominal Capacity	kW	4.40	5.00	6.00			
Iominal Cooling Operation*1	OAT (DB) 35°C		EER	-	3.90	3.70	3.60			
orimian ocoming operation	35℃	IWT/OWT 23 / 18℃	Nominal Capacity	kW	5.60	6.00	7.00			
		23/180	EER	-	5.60	5.60	5.10			
		0	SCOP	-	5.00	4.93	4.92			
	Water Outlet 35°C		Heating Efficiency (ηs)	%	197	194	194			
			nergy Rating SCOP	_	A+++	A+++	A+++			
	Water Outlet 55°C	Cooccoo	Heating Efficiency (ηs)	%	3.23 126	3.33 130	3.42 134			
Seasonal Performance*2	vvaler odliel 55 C		Energy Rating	70	12b A++	130 A++	134 A++			
			SEER	-	8.87	8.73	8.54			
	Water Outlet 18℃	Seasona	Cooling Efficiency (ηs)	%	352	346	339			
	144-1	55000/10	SEER (1/3)	-	5.75	5.85	5.73			
	Water Outlet 7℃	Seasona	Cooling Efficiency (ηs)	%	227	231	226			
	Non	mal Mode (Heating		dB(A)	47/47	48/47	50/47			
Sound Pressure*3		Noise Mode (Heati		dB(A)	39/39	42/42	43/43			
	Night	Shift Mode (Heati	ng/Cooling)	dB(A)	35/35	38/38	39/39			
Sound Power		mal Mode (Heating		dB(A)	61/61	62/61	64/61			
Fan	(Condenser Fan Q		_	1	1	1			
1 (1)		Air Flow Rate		m³/h	2700	2700	2700			
	Recommer	nded Fuse		A mm	16	16	20			
Outer Dimensions		Height × Width × Depth				750 × 900 × 340				
Packing Dimensions		Height × Width × D	lepth	mm	807×1022×445					
Weight(Net/Gross)					kg 48.5/52.5 48.5/52.5 49.0/53.5					
	Compressor		Туре	_		Rotary				
	Refrigerant Charge		Type	-		R32	4.05			
		Be	efore Shipment Gas Pipe	kg	0.98	0.98	1.05			
	Piping		Liquid Pipe	mm(in.)	Φ12.7(1/2)	Φ12.7(1/2)	Φ15.88(5/8)			
Refrigerant System		Min. Piping Len		m	Φ 6.35(1/4)	Φ 6.35(1/4) 4	Φ6.35(1/4)			
	May	. Chargeless Pipir		m		8				
	IVIAA	Max. Piping Len		m	40	40	45			
	Height Difference		DDU is Higher	m	30	30	30			
	between ODU and IDU		DU is Higher	m	20	20	20			
b			Ambient Temperature	°C (DB)	20		20			
			Outlet Water Temperature			-25~35				
	Heating		Nater Temperature			-25~35 15~60				
Overting Press	Heating	Outlet	Nater Temperature Ambient Temperature	°C						
Operation Range		Outlet \ Outdoor		°C (DB)		15~60				
Operation Range	Heating DHW	Outlet \ Outdoor \ Tank \	Ambient Temperature	°C (DB)		15~60 -25~40				
Operation Range	Heating	Outlet \ Outdoor \ Tank \ Outdoor \	Ambient Temperature Vater Temperature	°C (DB)		15-60 -25-40 30-55(75 ⁴) 5-46 5-22				
Operation Range	Heating DHW Cooling	Outlet \ Outdoor \ Tank \ Outdoor \	Ambient Temperature Vater Temperature Ambient Temperature	°C (DB) °C (DB)	AHM-044HCDSAA	15~60 -25~40 30~55(75 ⁻⁴) 5~46 5~22 AHM~060HCDSAA	AHM-080HCDSAA			
Operation Range Power Supply	Heating DHW Cooling	Outlet \ Outdoor \ Tank \ Outdoor \ Outdoor \ Outlet \ door Unit	Ambient Temperature Vater Temperature Ambient Temperature Water Temperature —	°C (DB) °C (DB) °C		15-60 -25-40 30-55(75 ⁻⁴) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz				
Power Supply	Heating DHW Cooling Inc	Outlet \\ Outdoor \\ Outdoor \\ Outdoor \\ Outlet \\ door Unit	Ambient Temperature Vater Temperature Ambient Temperature Water Temperature — C ΔT:5°C	© (DB) © (DB) © (DB) © (DB) © (DB)	1.21	15-60 -25-40 30-55(75 ⁻⁴) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz	1.90			
Power Supply Water Flow Rate	Heating DHW Cooling Inc	Outlet \ Outdoor \ Tank \ Outdoor \ Outdoor \ Outlet \ door Unit	Ambient Temperature Vater Temperature Ambient Temperature Water Temperature — C ΔT:5°C	℃ (DB) ℃ (DB) ℃ (DB) ℃ (DB) ℃ (DB) ℃	1.21 0.65	15-60 -25-40 30-55(75 ⁻⁴) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81	1.90 0.97			
Power Supply	Heating DHW Cooling Inc	Outlet \ Outdoor / Tank \ Outdoor / Outlet \ door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55°	Ambient Temperature Vater Temperature Ambient Temperature Water Temperature — C ΔT:5°C C ΔT:8°C	℃ (DB) ℃ (DB) ℃ (DB) ℃ (May (DB) ℃ (DB) ℃ (DB)	1.21 0.65 0.50	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 10, 220-240V/50Hz 1.53 0.81 0.60	1.90 0.97 0.60			
Power Supply Water Flow Rate	Heating DHW Cooling Inc	Outlet \\ Outdoor \\ Outdoor \\ Outdoor \\ Outlet \\ Outlet \\ Oottoor Unit T: 30°C / OWT: 35° Net Lift Pressi	Ambient Temperature Vater Temperature Ambient Temperature Water Temperature C AT: 5°C C AT: 8°C	© (DB) © (DB) © (C (DB) © (DB) © (DB) © (DB) m³/h m³/h m³/h m m³/h	1.21 0.65	15-60 -25-40 30-55(75 ⁻⁴) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81 0.60 4.7	1.90 0.97			
Power Supply Water Flow Rate Min. Water Flow Rate	Heating DHW Cooling Inc	Outlet \\ Outdoor \\ Outdoor \\ Outdoor \\ Outdoor \\ Outlet \\ door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55' Net Lift Press Max. Lift Press	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure	TC (DB) TC (DB	1.21 0.65 0.50	15-60 -25-40 30-55(75 ⁻⁴) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6	1.90 0.97 0.60			
Power Supply Water Flow Rate	Heating DHW Cooling Inv	Outlet \ Outdoor , Tank \ Outdoor , Outlet \ Outdoor , Outlet \ door Unit T: 30°C / OWT: 55' Net Lift Press Max. Lift Press Max. Water Flow	Ambient Temperature Valer Temperature Mater Temperature C \$\Delta T: 5\C C \$\Delta T: 8\C \Delta T:	© (DB) © (DB) © (C (DB) © (DB) © (DB) © (DB) m³/h m³/h m³/h m m³/h	1.21 0.65 0.50	15-60 -25-40 30-55(75 ⁻⁴) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81 0.60 4.7	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate	Heating DHW Cooling Inv	Outlet \ Outdoor, Tank \ Outdoor, Outlet \ Outdoor, Outlet \ door Unit T: 30°C / OWT: 35° F: 47°C / OWT: 55° Net Lift Press Max. Lift Press Max. Water Fess Max. Water Great M	Ambient Temperature Valer Temperature Mater Temperature C \$\Delta T: 5\C C \$\Delta T: 8\C \Delta T:	© (DB) © (DB) © (DB) © (MB) Male Male Male Male Male Male Male Male	1.21 0.65 0.50	15-60 -25-40 30-55(75 ⁻⁴) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240//50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate	Heating DHW Cooling Inv	Outlet \ Outdoor, Tank \ Outdoor, Outlet \ Outdoor, Outlet \ door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55° Max. Lift Press Max. Lift Press Max. Water Flow Energy Efficiency Speed	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure ure Rate Class	C (DB) C (DB) C (DB) C (M³/h m³/h m³/h m m m m	1.21 0.65 0.50	15-60 -25-40 30-55(75-4) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate	Heating DHW Cooling Inc IWT	Outlet' Outdoor, Tank v Outdoor, Outlet' door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55° Net Lift Press Max. Lift Press Max. Water Flow Energy Efficiency Speed Max. Power In	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure ure Rate Class	TC (C)B) TC	1.21 0.65 0.50	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 1Φ, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate	Heating DHW Cooling Inv	Outlet's Outdoor, Tank v Outdoor, Outlet's Outdoor, Outlet's door Unit F: 30°C / OWT: 35° F: 47°C / OWT: 55° Net Lift Pressi Max. Lift Pressi Max. Water Flow Energy Efficiency Speed Max. Power In er (3 Steps)	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure ure Rate Class	C (DB) C (DB) C (DB) C (M³/h m³/h m³/h m m m m	1.21 0.65 0.50	15-60 -25-40 30-55(75 ⁻⁴) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240//50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50 1/2/3	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump	Heating DHW Cooling Inc IWT	Outlet \ Outdoor, Tank \ Outdoor, Outlet \ Outlet \ Outdoor, Outlet \ Outdoor, Outlet \ Outdoor, Outlet \ Outlet \ Outdoor, Outlet \ Outle	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure ure Rate Class	© (CB) C	1.21 0.65 0.50	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 1Φ, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate	Heating DHW Cooling Inc IWT	Outlet's Outdoor, Tank v Outdoor, Outlet's Outdoor, Outlet's door Unit F: 30°C / OWT: 35° F: 47°C / OWT: 55° Net Lift Pressi Max. Lift Pressi Max. Water Flow Energy Efficiency Speed Max. Power In er (3 Steps)	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure ure Rate Class	© (C) (DB) (C) (C) (DB) (C) (C) (DB) (C) (C) (DB) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	1.21 0.65 0.50	15-60 -25-40 30-55(75-4) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50 1/2/3 Brass	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump	Heating DHW Cooling Inc IWT	Outlet's Outdoor, Tank k Outdoor, Outlet's Outdoor, Outlet's door Unit F: 30°C / OWT: 35° F: 47°C / OWT: 55° Net Lift Pressi Max. Lift Pressi Max. Water Flow Energy Efficiency Speed Max. Power Ine er (3 Steps) Material Diameter Mesh Fitter	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure ure Rate Class	C C (DB) C (DB) C (DB) C (DB) C (DB) C (DB) W (MB) M (MB)	1.21 0.65 0.50	15-60 -25-40 30-55(75-4) 55-46 55-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50 1/2/3 Brass 1" 50	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump	Heating DHW Cooling Inc IWT	Outlet to Outdoor, Tank to Outdoor, Outlet to Outdoor, Outlet to Outdoor, Outlet to Outdoor, T: 30°C / OWT: 35° T: 47°C / OWT: 55° Max. Lift Press Max. Lift Press Max. Lift Press Max. Water Flow Energy Efficiency Speed Max. Power In er (3 Steps) Material Diameter Mesh Filter Type Filter	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure ure Rate Class	© C (DB) C C (DB) C C (DB) C C (DB) C C C (DB) C C C C C C C C C C C C C C C C C C C	1.21 0.65 0.50	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 10, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50 1/2/3 Brass 1"	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump	Heating DHW Cooling Inc IWT WT Water Electric Heate	Outlet' Outdoor, Tank v Outdoor, Outlet' door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55° Net Lift Press Max. Lift Press Max. Water Flow Energy Efficiency Speed Max. Power In er (3 Steps) Material Diameter Mesh Filter Type Filter	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure ure Rate Class	© (CB) C	1.21 0.65 0.50	15-60 -25-40 30-55(75-4) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50 1/2/3 Brass 1" 50 Self-cleaning (with back flush)	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump	Heating DHW Cooling Inc IWT IWT Water Electric Heate Safety Vala Shut-off Val Sound Press	Outlet \ Outdoor, Tank \ Outdoor, Outlet \ Outle	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure ure Rate Class	© (C)	1.21 0.65 0.50	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 1Φ, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50 1/2/3 Brass 1* 50 Self-cleaning (with back flush)	1.90 0.97 0.60			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump	Heating DHW Cooling Inc IWT Water Electric Heate Safety Valv Shut-off Vals Sound Press Sound Pow	Outlet' Outdoor, Trank v Outdoor, Outlet' door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55° Net Lift Press Max. Lift Press Max. Water Flow Energy Efficiency Speed Max. Power In er (3 Steps) Material Diameter Mesh Filter Type Filter ve live sure	Ambient Temperature Valer Temperature Ambient Temperature Water Temperature — C ΔT: 5°C C ΔT: 8°C ure ure Rate Class	C (DB) C	1.21 0.65 0.50 6.2	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 1	1.90 0.97 0.60 3.2			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump Shut-off Valve with Filter	Heating DHW Cooling Int IWT Water Electric Heate Safety Valu Shut-off Val Sound Press Sound Press Sound Press	Outlet' Outdoor, Tank v Outdoor, Outlet' door Unit F: 30°C / OWT: 35° F: 47°C / OWT: 55° Net Lift Press Max. Lift Press Max. Water Flow Energy Efficiency Speed Max. Power In er (3 Steps) Material Diameter Mesh Filter Type Filter ve live sure ver 1 Fuse	Ambient Temperature Vater Temperature Water Temperature Water Temperature C \(\Delta T \cdot S \cdot C \) C \(\Delta T \cdot S \cdot C \) Ure Ure Rate Class Put	C (DB) C	1.21 0.65 0.50 6.2	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 1	1.90 0.97 0.60 3.2			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump Shut-off Valve with Filter	Heating DHW Cooling Int IWT Water Electric Heate Safety Vala Shut-off Val Sound Press Sound Pow Recommended	Outlet to Outdoor, Tank to Outdoor, Outlet to Outlet t	Ambient Temperature Vater Temperature Ambient Temperature Water Temperature C AT:5°C C AT:8°C ure ure Rate Class put	© (CB) (CB) (CB) (CB) (CB) (CB) (CB) (CB)	1.21 0.65 0.50 6.2	15-60 -25-40 30-55(75-4) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50 1/2/3 Brass 1" 50 Self-cleaning (with back flush) 3 2 pcs Supplied 28 42 20(40*5) 890×520×320	1.90 0.97 0.60 3.2			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump Shut-off Valve with Filter	Heating DHW Cooling Int IWT Water Electric Heate Safety Valv Shut-off Val Sound Press Sound Pow Recommended	Outlet' Outdoor, Tank v Outdoor, Outlet' door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55° Net Lift Press Max. Lift Press Max. Water Flow Energy Efficiency Speed Max. Power In er (3 Steps) Material Diameter Mesh Filter Type Filter ve live Sure Jerus Lift Press Max Power In er (3 Steps) Material Diameter Mesh Filter Type Filter ve live Lift Press Lift P	Ambient Temperature Vater Temperature Ambient Temperature Water Temperature C AT:5°C C AT:8°C ure ure Rate Class put	C C (DB)	1.21 0.65 0.50 6.2	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 1	1.90 0.97 0.60 3.2			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump Shut-off Valve with Filter er Dimensions(with connections)	Heating DHW Cooling Int IWT Water Electric Heate Safety Vala Shut-off Val Sound Press Sound Pow Recommended	Outlet' Outdoor, Trank v Outdoor, Outlet' Outdoor, Outlet' door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55° Net Lift Press Max. Lift Press Max. Water Flow Energy Efficiency Speed Max. Power In Er (3 Steps) Material Diameter Mesh Filter Type Filter ve live sure live Height × Width × I Height × Width × I Height × Width × I Soss)	Ambient Temperature Vater Temperature Vater Temperature	C C (DB) C C (DB) C (DB	1.21 0.65 0.50 6.2	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 1	1.90 0.97 0.60 3.2			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump Shut-off Valve with Filter ter Dimensions(with connections) Packing Dimensions	Heating DHW Cooling Int IWT Water Electric Heate Safety Valv Shut-off Val Sound Press Sound Pow Recommended	Outlet to Outdoor, Tank to Outdoor, Outlet to Outdoor, It is a Outdoor, Outlet to	Ambient Temperature Vater Temperature Vater Temperature	© (C (DB) C (DB)	1.21 0.65 0.50 6.2 28 42 41.5/48.5	15-60 -25-40 30-55(75-4) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50 1/2/3 Brass 1" 50 Self-cleaning (with back flush) 3 2 pcs Supplied 28 42 20(40*5) 890×520×320 419×1160×650 41.548.5 Flare Nut Connection	1.90 0.97 0.60 3.2 28 42			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump Shut-off Valve with Filter	Heating DHW Cooling Int IWT Water Electric Heate Safety Valv Shut-off Val Sound Press Sound Pow Recommended	Outlet' Outdoor, Trank v Outdoor, Outlet' door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55° Net Lift Press Max. Lift Press Max. Water Flow Energy Efficiency Speed Max. Power In ar (3 Steps) Material Diameter Mesh Filter Type Filter ve live sure live Height × Width × l loss) Connection Ty Gas Pipe	Ambient Temperature Valer Temperature Valer Temperature — C AT:5°C C AT:8°C ure ure Rate Class put	C C (DB)	1.21 0.65 0.50 6.2 28 42 41.5/48.5 Φ12.7(1/2)	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 1	1.90 0.97 0.60 3.2 28 42 42.5/49.5 Ф15.88(5/8)			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump Shut-off Valve with Filter ter Dimensions(with connections) Packing Dimensions	Heating DHW Cooling Int IWT Water Electric Heate Safety Valv Shut-off Val Sound Press Sound Pow Recommended	Outlet ' Outdoor, Tank ' Outdoor, Outlet ' door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55° Max. Lift Press Max. Lift Press Max. Water Flow Speed Max. Power In er (3 Steps) Material Diameter Mesh Filter Type Filter ve live sure Height × Width × I Height × Width × I Gas Pipe Liquid Pipe	Ambient Temperature Valer Temperature Valer Temperature Water Temperature C \(\Delta \text{T} \cdot 50' \text{C} \text{C} \text{T} \cdot 80' \text{U} ure ure Rate Class put	© (C(DB) © (C(DB)) (1.21 0.65 0.50 6.2 28 42 41.5/48.5	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 1	1.90 0.97 0.60 3.2 28 42			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump Shut-off Valve with Filter ter Dimensions(with connections) Packing Dimensions Refrigerating Installation	Heating DHW Cooling Int IWT Water Electric Heate Safety Valv Shut-off Val Sound Press Sound Pow Recommended	Outlet' Outdoor, Tank v Outdoor, Outlet' door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55° Max. Lift Press Max. Lift Press Max. Water Flow Energy Efficiency Speed Max. Power In er (3 Steps) Material Diameter Mesh Filter Type Filter ve live sure er I of Fuse Height × Width × Height × Width × S Connection Ty Gas Pipe Liquid Pipe Connection ty	Ambient Temperature Valer Temperature Valer Temperature Water Temperature C AT:5°C C AT:8°C ure ure Rate Class put	© (CB) (CB) (CB) (CB) (CB) (CB) (CB) (CB)	1.21 0.65 0.50 6.2 28 42 41.5/48.5 Φ12.7(1/2)	15-60 -25-40 30-55(75-4) 5-46 5-22 AHM-060HCDSAA AC 1 0, 220-240V/50Hz 1.53 0.81 0.60 4.7 7.6 3.5 A Inverter 50 1/2/3 Brass 1" 50 Self-cleaning (with back flush) 3 2 pcs Supplied 28 42 20(40*5) 890 × 520 × 320 419 × 1160 × 650 41.5(48.5) Flare Nut Connection 0 12.7(1/2) 0 6.35(1/4) Screwed Connection	1.90 0.97 0.60 3.2 28 42 42.5/49.5 Ф15.88(5/8)			
Power Supply Water Flow Rate Min. Water Flow Rate DC Water Pump Shut-off Valve with Filter ter Dimensions(with connections) Packing Dimensions	Heating DHW Cooling Int IWT Water Electric Heate Safety Valv Shut-off Val Sound Press Sound Pow Recommended	Outlet ' Outdoor, Tank ' Outdoor, Outlet ' door Unit T: 30°C / OWT: 35° T: 47°C / OWT: 55° Max. Lift Press Max. Lift Press Max. Water Flow Speed Max. Power In er (3 Steps) Material Diameter Mesh Filter Type Filter ve live sure Height × Width × I Height × Width × I Gas Pipe Liquid Pipe	Ambient Temperature Valer Temperature Valer Temperature Water Temperature C AT:5°C C AT:8°C ure ure Rate Class put	© (C(DB) © (C(DB)) (1.21 0.65 0.50 6.2 28 42 41.5/48.5 Φ12.7(1/2)	15-60 -25-40 30-56/(75-4) 5-46 5-22 AHM-060HCDSAA AC 1	1.90 0.97 0.60 3.2 28 42 42.5/49.5 Ф15.88(5/8)			

Specification



Monobloc (4~8kW)

	Me	odel			AHZ-044HCDS1	AHZ-080HCDS1	
	Power	Supply			220-240V	~50Hz	
		IWT/OWT	Capacity(Min./Nom./Max.)	kW	1.85 / 4.40 /7.00	2.10/8.00/11.0	
	OAT (DB/WB)	30 / 35℃	COP (Nom.)	-	5.10	4.90	
	7/6℃	IWT/OWT	Capacity (Nom./Max.)	kW	4.40 / 6.00	8.00 / 9.00	
		47 / 55℃	COP (Nom.)	-	3.00	2.80	
Heating Operation* ¹		IWT/OWT	Capacity (Nom./Max.)	kW	4.40 / 5.00	5.80 / 7.30	
	OAT (DB/WB)	30 / 35℃	COP (Nom.)	-	3.26	3.14	
	-7/-8℃	IWT/OWT	Capacity (Nom./Max.)	kW	4.00 / 4.20	5.00 / 6.40	
		47 / 55℃	COP (Nom.)	-	1.97	1.94	
		IWT/OWT	Nominal Capacity	kW	4.40	6.50	
	OAT (DB/WB)	12/7℃	EER	-	4.00	3.35	
Cooling Operation*1	35/−℃	IWT/OWT	Nominal Capacity	kW	5.60	7.00	
		23 / 18℃	EER	-	5.60	5.10	
			SCOP	-	5.17	5.00	
	Water Outlet 35℃	Seasonal	Heating Efficiency (ηs)	%	204	197	
		E	nergy Rating	-	A+++	A+++	
easonal Performance*2			SCOP	-	3.47	3.50	
	Water Outlet 55℃	Seasonal	Heating Efficiency (ηs)	%	136	137	
		Energy Rating		_	A++	A++	
	Norn	nal Mode (Heatin	g/Cooling)	dB(A)	47/47	50/47	
Sound Pressure*3	Low Noise Mode (Heating/Cooling)			dB(A)	40/40	43/43	
	Night S	Shift Mode (Heat	ing/Cooling)	dB(A)	36/36	39/39	
Sound Power	Norn	nal Mode (Heatin	g/Cooling)	dB(A)	61/61	64/61	
Fan Condenser Fan Quantity Air Flow Rate				_	1	1	
				m³/h	2700	2700	
	Max. Runi	ning Current		А	10.53	17.53	
	Recomme	ended Fuse		А	16	20	
Outer Dimensions		Height × Width × I	Depth	mm	815 × 1270 × 340	815 × 1270 × 340	
Packing Dimensions		Height × Width × I	Depth	mm	890 × 1400 × 440	890 × 1400 × 440	
	Net \	Veight		kg	88	88	
	Gross	Weight		kg	104	105	
	Compressor		Туре	_	Rotary		
Refrigerant System	Defrigerent Charge		Туре		R32		
	Refrigerant Charge	Before Shipment		kg	1.17 1.21		
	Ou		Outdoor Ambient Temperature		-25~35		
	Heating	Outlet	Water Temperature	°C	15~60		
	DUNA	Outdoor	Ambient Temperature	℃ (DB)	-25~40		
Operation Range	DHW	Tank	Water Temperature	°C	30~55(75*4)		
	Cacling	Outdoor	Ambient Temperature	℃ (DB)	5-46		
	Cooling	Outlet	Water Temperature	C	5-22		
Nominal Water Flow	IWT:	30℃ / OWT: 35°	°C ∆T:5°C	m³/h	0.77	1.38	
	Min. Wate	r Flow Rate		m³/h	0.50	0.60	
		Max. Lift Press	sure	m	9		
DC Water Dum		Max. Water Flow	Rate	m³/h	4.5		
DC Water Pump		Speed		-	Inverter		
		Max. Power In	put	W	87		
	Water Ele	ctric Heater		kW	External (Optio	nal)	
	Safet	y Valve		bar	3		
	Shut-	off Valve		-	2 pcs Supplie	ed	
		Connection Ty	/pe	-	Screwed Conne	ection	
Water Installation		Shutdown Valv	ves	in.	G 1" - G 1" (fel	male)	
Water Installation		Inlet Pipe Diam	eter	in.	G 1" (female	e)	
		Outlet Pipe Dian			G 1" (female) G 1" (female)		

NOTES:
*1: Heating/Cooling nominal performances at full load conditions according to EN 14511. Pipe length 7.5 m; height difference ODU/IDU 0 m; heating performance are integrated (included defrost cycles).
*2: According to EN14825. Climate Zone AVERAGE. Energy efficiency scale from A +++ to D.
*3:The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
*4:When there is an DHW electric heater mounted in the DHW tank ,the setting temperature can reach 75°C.
*5: The value is the data when electric heater is working.
OAT: Outdoor ambient temperature; IWT: Inlet water temperature; OWT: Outlet water temperature

NOTES:
*1: Heating/Cooling nominal performances at full load conditions according to EN 14511.
Pipe length 7.5 m; height difference ODU/IDU 0 m; heating performance are integrated (included defrost cycles).
*2: According to EN14825. Climate Zone AVERAGE. Energy efficiency scale from A +++ to D.
*3:The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
*4:When there is an DHW electric heater mounted in the DHW tank, the setting temperature can reach 75°C.
OAT: Outdoor ambient temperature; IWT: Inlet water temperature; OWT: Outlet water temperature

Specification

Integra (4~8kW) **System Performance**





135%

750 × 900 × 340

807 × 1022 × 445

48.5

52.5

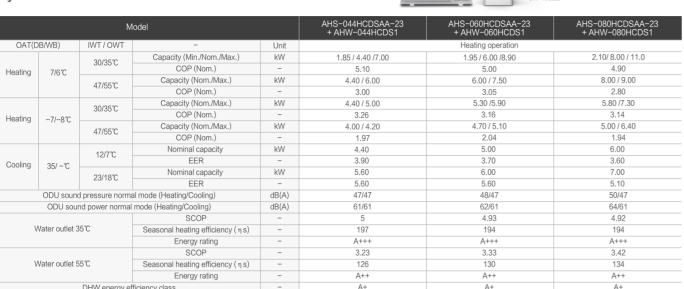
135%

750 × 900 × 340

807 × 1022 × 445

49.0

53.5



135%

750 × 900 × 340

807 × 1022 × 445

48.5

52.5

Integra Specification

Outdoor

Unit

Outer Dimensions

Packing Dimensions

DHW energy efficiency class Efficiency η DHW

Height × Width × Depth

Height × Width × Depth

mm

mm

Me	odel		AHS-044HCDSAA-23	AHS-060HCDSAA-23	AHS-080HCDSAA-23			
Water ta	nk volume	L	230	230	230			
Water ta	nk material	-		DUPLEX 2205				
Powe	r supply	-		AC 1Φ, 220~240V/50Hz				
Dimensions	Height × Width × Depth	mm	1885 × 595 × 625	1885 × 595 × 625	1885 × 595 × 625			
Packing Dimensions	Height × Width × Depth	mm	2070×700×710	2070×700×710	2070×700×710			
Net \	Veight	kg	124.5	124.5	125.0			
Gross	Weight	kg	145.0	145.0	145.5			
Water	flow rate	m³/h	0.76	1.03	1.38			
Water p	ump type	-		DC Inverter				
Static pressure at nominal flow	(Standard/High resitance mode)	mwc	7.0/9.0	7.0/9.0	8.0/9.0			
Availabl(External) pump head	(Standard/High resitance mode)	mwc	5.5/8.0	4.5/7.1	3.0/6.0			
E-heater	for heating	kW	1+1+1	1+1+1	1+1+1			
Sound p	ower level	dB(A)	42	42	42			
M 12 /11 . f	Outdoor ambient temperature	°C(DB)		-25~35				
Working range (Heating)	Outlet water temperature	°C	15~60*					
W 11 (0 F)	Outdoor ambient temperature	°C(DB)		5~46				
Working range (Cooling)	Outlet water temperature	°C		5~22				
/DIBA	Outdoor ambient temperature	°C(DB)		-25~40				
Working range (DHW)	Tank water temperature	°C	30~55(75*)					
C btiiti	Inlet pipe diameter	mm (in.)		G1"(female)				
Space heating pipes connection	Outlet pipe diameter	mm (in.)		G1"(female)				
DIMA	Inlet pipe diameter	mm (in.)		G3/4"(female)				
DHW pipes connection	Outlet pipe diameter	mm (in.)		G3/4"(female)				
	Connection type	_		Flare Nut Connection				
Refrigerating connection	Liquid pipe	mm (in.)	Ф6.35 (1/4")	Ф6.35 (1/4")	Ф6.35 (1/4")			
	Gas pipe	mm (in.)	Ф12.70 (1/2")	Ф12.70 (1/2")	Ф15.88 (5/8")			

Specification





Split (10~16kW) (Preview)

Outdoor Unit	Power Supply	AC 1	D, 220~240V/50Hz		AHW-100HCDS1	AHW-120HCDS1	AHW-140HCDS1	AHW-160HCDS		
Outdoor Offic	1 Ower Supply	AC 30	Þ, 380-415V/50Hz		AHW-100HEDS1	AHW-120HEDS1	AHW-140HEDS1	AHW-160HEDS		
		IWT/OWT	Capacity	kW	10	12	14	16		
	OAT (DB/WB)	30 / 35℃	COP	-	5.10	4.95	4.80	4.60		
	7/6℃	IWT/OWT	Capacity	kW	10.0	12.0	14.0	15.5		
Iominal Heating Operation*1		47 / 55℃	COP	-	3.10	3.05	3.05	2.95		
Norminal Fleating Operation		IWT/OWT	Capacity	kW	9.50	10.80	13.50	14.00		
	OAT (DB/WB)	30 / 35℃	COP	-	3.10	3.00	2.85	2.80		
	-7 / -8℃	IWT/OWT	Capacity	kW	8.0	8.5	10.0	11.0		
		47 / 55℃	COP	-	2.15	2.10	2.05	2.00		
		IWT/OWT 12 / 7℃	Capacity (Nom./Max.)	kW	8.5 / 9.9	10.0 / 11.5	11.0 / 13.0	13.0 / 14.0		
Nominal Cooling Operation*1	OAT (DB)		EER (Nom.)	-	3.00	2.85	2.85	2.70		
	35℃	IWT/OWT 23 / 18℃	Capacity (Nom./Max.)	kW	9.0 / 10.8	11.0 / 13.0	14.0 / 14.8	15.5 / 16.0		
		237 10 0	EER (Nom.)	-	4.5	4.1	4.2	3.9		
		C	SCOP	-	4.8	4.7	4.6	4.5		
	Water Outlet 35°C		Heating Efficiency (ηs)	%	188 A+++	185 A+++	180 A+++	177 A+++		
Seasonal Performance*2			Energy Rating SCOP	-	3.4					
	Water Outlet 55℃	C				3.35	3.3	3.3		
	Water Outlet 55 C		Heating Efficiency (ηs)	%	133 A++	130 A++	128 A++	127 A++		
			Energy Rating	- ID(A)	47	50	50	54		
Sound Pressure*3		Normal Mod Low Noise Mo		dB(A) dB(A)	47	46	46	48		
Journal Inggorie -		Night Shift Mo		dB(A)	43	46	46	48		
Sound Power		Normal Mod			61	64	64	67		
Journa i OWEI		Condenser Fan O		dB(A)	1	1	1	1		
Fan		Air Flow Rat	<u> </u>	m³/h	5200	5200	4700	4700		
Outer Dimensions					3200			4700		
Packing Dimensions		Height × Width × [mm		840×1100×390 1000×1185×532				
r acking Dimensions	Height × Width × Depth Weight(Net/Gross)				73.5/88.0 73.5/88.0 91.5/105.5 91.5/105.					
	Compressor	000 /	Туре	kg —	75.3/66.0 91.3/105.5 91.3/105					
			Туре				32			
	Refrigerant Charge	Before Shipment		kg	1.8	1.8	2.7	2.7		
			Gas Pipe	mm(in.)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)		
	Piping		Liquid Pipe	mm	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)		
Refrigerant System		Min. Piping Len		m	0.00 (0.0)		4	0100 (0.0)		
	Max. Chargeless Piping Length			m			15			
	Max. Piping Length			m			50			
	Height Difference			m	30	30	30	30		
	between ODU and IDU	IDU is Higher		m	20	20	20	20		
		Heating Outdoor Ambient Temperature Outlet Water Temperature Outdoor Ambient Temperature		°C (DB)	-25~35					
	Heating			°C	20~65					
O				°C (DB)	-25-43					
Operation Range	DHW	Tank \	Vater Temperature	°C		30-60				
	0 "	Outdoor	Ambient Temperature	°C (DB)			-46			
	Cooling	Outlet	Water Temperature	°C		5-	5~22			
la de cal la S	5 0 1	AC 10	D, 220~240V/50Hz,	_	AHM-100HCDSAA	AHM-120HCDSAA	AHM-140HCDSAA	AHM-160HCDSA		
Indoor Unit	Power Supply		⊅, 380-415V/50Hz	-	AHM-100HEDSAA	AHM-120HEDSAA	AHM-140HEDSAA	AHM-160HEDSA		
	IWT	: 30°C / OWT: 35	,	m³/h	1.72	2.06	2.40	2.76		
Water Flow Rate		: 47°C / OWT: 55		m³/h	1.07	1.29	1.50	1.71		
		ter Flow Rate		m³/h	0.8	0.9	1.1	1.2		
		Max. Lift Press	sure	m			12			
DC Water Duma		Max. Water Flov	/ Rate	m³/h		5	.6			
DC Water Pump		Speed		-		Inv	erter			
		Max. Power Ir	put	W		1	80			
	Water Electric Heate	er (3 Steps)		kW		2/	4/6			
Shut-off Valve with Filter		Diameter		in.		G	1"			
Shut-on valve with Filler		Mesh Filter		-			50			
	Safety Valv	/e		bar			3			
	Shut-off Val			-		2 pcs 5	Supplied			
	Sound Press	ure		dB(A)	30	30	30	30		
	Sound Pow	er		dB(A)	44	44	44	44		
ter Dimensions(with connections)		Height × Width ×	Depth	mm		890×5	20×320			
Packing Dimensions		Height × Width ×	Depth	mm		419×11	160×650			
	Weight(Net/Gro	oss)		kg	47/52	47/52	49/54	49/54		
		Connection T	/pe	-		Flan	e Nut			
Refrigerating Installation		Gas Pipe		mm(in.)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)		
		Liquid Pipe		mm(in.)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)		
		Connection ty		-		Screwed (Connection			
Water Installation		Shutdown val		in.		G1"- G	1"(femal)			
TTAICH HISIAHAUUTI		Inlet pipe diam		in.		G1"(male)			
		Outlet pipe dian	neter	in.		G1"(male)			

- NOTES:

 *1: Heating/Cooling nominal performances at full load conditions according to EN 14511. Pipe length 7.5 m; height difference ODU/IDU 0 m; heating performance are integrated (included defrost cycles).

 *2: According to EN/14825. Climate Zone AVERAGE. Energy efficiency scale from A +++ to D.

 *3:The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.

 *4:When there is an DHW electric heater mounted in the DHW tank, the setting temperature can reach 75°C.

 OAT: Outdoor ambient temperature; IWT: Inlet water temperature; OWT: Outlet water temperature

= 11

Specification



Monobloc (10~16kW) Preview

Model	Power	AC 1Φ, 220	~240V/50Hz	_	AHZ-100HCDS1	AHZ-120HCDS1	AHZ-140HCDS1	AHZ-160HCDS1
Model	Supply	AC 3Φ, 380	–415V/50Hz	-	AHZ-100HEDS1	AHZ-120HEDS1	AHZ-140HEDS1	AHZ-160HEDS1
OAT (DB/WB)		IWT / OWT	_	Unit		_		
		30 / 35 ℃	Capacity (Nom)	kW	10	12	14	16
	7/6℃	30730 C	COP (Nom.)	_	5.1	4.95	4.8	4.6
	7700	47 / 55 ℃	Capacity (Nom)	kW	10	12	14	15.5
Heating Operation*1		47735 C	COP (Nom.)	_	3.1	3.05	3.05	2.95
		30 / 35 ℃	Capacity (Nom)	kW	9.50	10.80	13.50	14.00
	-7/-8℃	30735 C	COP (Nom.)	_	3.10	3.00	2.85	2.80
	77 00	47 / 55 ℃	Capacity (Nom)	kW	8	8.5	10	11
		47755 C	COP (Nom.)	_	2.15	2.1	2.05	2
		12 / 7 ℃	Capacity (Nom)	kW	8.5	10	11	13
Cooling Operation*1	35℃	12// C	EER	_	3	2.85	2.85	2.7
Cooling Operation	33.0	22 / 40 %	Capacity (Nom)	kW	9	11	14	15.5
		23 / 18 ℃	EER	_	4.5	4.1	4.2	3.9
		SCOP		_	4.8	4.7	4.6	4.5
Water outlet 35℃	Se	Seasonal heating efficiency (ηs)			188	185	180	177
		Energy rating			A+++	A+++	A+++	A+++
		SCOP			3.4	3.35	3.3	3.3
Water outlet 55℃	Se	Seasonal heating efficiency (ηs)			133	130	128	127
		Energy rating			A++	A++	A++	A++
Working range	C	Outdoor ambient tem	perature	°C (DB)		-25	5~35	
(Space Heating)		Outlet water tempe	rature	°C		20-	~65	
Working range	C	Outdoor ambient tem	perature	℃ (DB)		5~	46	
(Space Cooling)		Outlet water tempe	rature	°C		5~	4.8 14 3.05 13.50 2.85 10 2.05 11 2.85 14 4.2 4.6 180 A+++ 3.3 128 A++ 35 55 6 2 43 75*4) 50 64 46 44 840 1376 390 e)	
Working range	C	Outdoor ambient tem	perature	°C (DB)		-25	5~43	
(DHW)		Tank water tempe	rature	°C		30~60)(75*4)	
	Sound press	ure level		dB(A)	47	50	50	54
	Sound pow	er level		dB(A)	61	63	64	67
Sound	d pressure level	(low noise mode)		dB(A)	43	46	46	48
Sound	d pressure level	(night shift mode)		dB(A)	42	42	44	44
		Height		mm	840	840	840	840
Outer Dimensions		Width		mm	1376	1376	1376	1376
		Depth		mm	390	390	390	390
Space heating		Inlet pipe diame	ter	in.		G 1" (fema	ale)	
pipes connection		Outlet pipe diam	eter	in.		G 1" (fema	ale)	

NOTES:

*1: Heating/Cooling nominal performances at full load conditions according to EN 14511.

*ple length 7.5 m; height difference ODU/IDU 0 m; heating performance are integrated (included defrost cycles).

*2: According to EN14825. Climate Zone AVERAGE. Inergy efficiency scale from A +++ to D.

*3:The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.

*4:When there is an DHW electric heater mounted in the DHW tank, the setting temperature can reach 75°C.

OAT: Outdoor ambient temperature; IWT: Inlet water temperature; OWT: Outlet water temperature

Specification

Integra (10~16kW) Preview System Performance





		Mod	el		AHS-100HCDSAA-23 + AHW-100HCDS1	AHS-120HCDSAA-23 + AHW-120HCDS1	AHS-140HCDSAA-23 + AHW-140HCDS1	AHS-160HCDSAA-23 + AHW-160HCDS1			
Power supply					AC 1Φ, 220~240V/50Hz						
		Mod	el		AHS-100HEDSAA-23 + AHW-100HEDS1	AHS-120HEDSAA-23 + AHW-120HEDS1	AHS-140HEDSAA-23 + AHW-140HEDS1	AHS-160HEDSAA-23 + AHW-160HEDS1			
		Power s	upply			AC 3Φ, 380	-415V/50Hz				
OAT (D	DB/WB)	IWT / OWT	-	Unit		-					
		30/35℃	Capacity(Nom)	kW	10	12	14	16			
	7/6℃	30/30 C	COP(Nom.)	-	5.1	4.95	4.8	4.6			
	7/6 C	47/55℃	Capacity(Nom)	kW	10	12	14	15.5			
Heating	47/3	47/33 C	COP(Nom.)	-	3.1	3.05	3.05	2.95			
riedurig		30/35℃ -7/-8℃ 47/55℃	Capacity(Nom)	kW	9.50	10.80	13.50	14.00			
	_7/_0℃		COP(Nom.)	-	3.10	3.00	2.85	2.80			
	-11-00		Capacity(Nom)	kW	8	8.5	10	11			
			COP(Nom.)	-	2.15	2.1	2.05	2			
		12/7℃ 23/18℃	12/7°C	Capacity(Nom.)	kW	8.5	10	11	13		
Cooling	35/−℃		EER	-	3	2.85	2.85	2.7			
Cooling	35/- C		Capacity(Nom.)	kW	9	11	14	15.5			
			EER	-	4.5	4.1	4.2	3.9			
		SCOP		-	4.8	4.7	4.6	4.5			
Water outlet 35°C	Season	Seasonal heating efficiency (ηs) %			188	185	180	177			
33 C		Energy rati	ng	-	A+++	A+++	A+++	A+++			
147.1		SCOP		-	3.4	3.35	3.3	3.3			
Water outlet 55°C	Season	al heating eff	iciency (ηs)	%	133	130	128	127			
		Energy rati	ng	-	A++	A++	A++	A++			
DHW ene	ergy efficiency	class	Load profile L	-	A+	A+	A+	A+			
S	SCOP DHW		Load profile L	-	~3.0	~3.0	~2.9	~2.9			
utdoor Unit Out	ter Dimensions	Height:	× Width × Depth	mm	840 × 1100 × 390	840 × 1100 × 390	840 × 1100 × 390	840×1100×390			

Integra Specification

	Model		AHS-100HCDSAA-23	AHS-120HCDSAA-23	AHS-140HCDSAA-23	AHS-160HCDSAA-23				
	Power supply		AC 1Φ, 220~240V/50Hz							
	Model		AHS-100HEDSAA-23	AHS-120HEDSAA-23	AHS-140HEDSAA-23	AHS-160HEDSAA-23				
	Power supply AC 3 Φ, 380–415V/50Hz									
Water TA	ANK Volume	L	230	230	230	230				
Water Ta	ank material	-	DUPLEX 2205	DUPLEX 2205	DUPLEX 2205	DUPLEX 2205				
Dimensions	Height × Width × Depth	mm	1885 × 590 × 625	1885 × 590 × 625	1885 × 590 × 625	1885 × 590 × 625				
E-heate	r for heating	kw	2+2+2	2+2+2	2+2+2 2+2+2					
Sound	oower level	dB(A)	42	42	42	42				
Working range	Outdoor ambient temperature	°C (DB)		-25~35						
(Heating)	Outlet water temperature	°C		20~65						
Working range	Outdoor ambient temperature	°C (DB)	5~46							
(Cooling)	Outlet water temperature	°C		5~	22					
Working range	Outdoor ambient temperature	°C (DB)		-25	~43					
(DHW)	Tank water temperature	℃		30~60)(75*)					
Space heating pipes	Inlet pipe diameter	in.		G 1" (f	emale)					
connection	Outlet pipe diameter	in.		G 1"(fe	emale)					
DHW pipes	Inlet pipe diameter	in.		G 3/4"(female)					
connection	Outlet pipe diameter	in.		G 3/4"(female)					
Defrigerating	Connection Type	-	Flare Nut Connection	Flare Nut Connection	Flare Nut Connection	Flare Nut Connection				
Refrigerating connection	Liquid Pipe	mm (in.)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)				
	Gas pipe	mm (in.)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)				

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