Specification

Model				AFW-34FJDH1	AFW-41FJDH1	AFW-48FJDH1	AFW-54FJDH1
Power Supply				AC 1Φ, 220-240V/50Hz/60Hz			
Air to Air	Outdoor: 35°C Indoor: 27/19°C	Cooling Capacity (Nom)	kW	10.0	12.1	14.0	15.5
		Cooling Power Input (Nom)	kW	2.78	3.30	4.24	4.70
		EER (Nom)	kW/kW	3.60	3.67	3.30	3.30
		SEER	kW/kW	7.40	8.40	8.30	8.30
	Outdoor: 7/6°C Indoor: 20/15°C	Heating capacity (Max/Nom)	kW	11.2/10.0	14.2/12.1	16.0/14.0	18.0/15.5
		Heating Power Input (Max/Nom)	kW	2.67/2.06	3.60/2.63	4.10/3.18	4.80/3.52
		COP (Max/Nom)	kW/kW	4.20/4.85	3.94/4.60	3.90/4.40	3.75/4.40
	Outdoor: -7/-8°C Indoor: 20/15°C	Heating Capacity (Nom)	kW	8.00	9.00	9.70	10.50
		Heating Power Input (Nom)	kW	2.50	3.21	3.53	
		COP (Nom)	kW/kW	3.20	2.80	2.75	≈ 2.7
	SCOP		kW/kW	4.40	4.85	4.55	4.50
Air to Water	Outdoor: 7/6°C, Water: 47°C/55°C	Heating Capacity (Nom)	kW	9.30	11.30	13.00	14.40
		Heating Power Input (Nom)	kW	3.38	3.96	4.64	5.14
		COP (Nom)	kW/kW	2.75	2.85	2.80	2.80
	Outdoor: 7/6°C, Water: 30°C/35°C	Heating capacity (Max/Nom)	kW	11.2/10.0	14.2/12.1	16.0/14.0	18.0/15.5
		Heating Power Input (Max/Nom)	kW	2.60/2.25	3.38/2.63	3.90/3.18	4.39/3.60
		COP (Max/Nom)	kW/kW	4.30/4.45	4.20/4.60	4.10/4.40	4.10/4.30
	Outdoor: -7/-8°C, Water: 30°C/35°C	Heating Capacity (Nom)	kW	9.50	11.00	13.00	13.50
		Heating Power Input (Nom)	kW	3.45	4.03	4.80	5.00
		COP (Nom)	kW/kW	2.75	2.73	2.71	2.70
	Outlet Water: 35°C	Seasonal Heating Efficiency (ηs)	%	172%	165%	170%	174%
		Energy Rating	-	A++	A++	A++	A++
	Outlet Water: 55°C	Seasonal Heating Efficiency (ηs)	%	116%	112%	113%	120%
		Energy Rating	-	A+	A+	A+	A+
Domestic Hot Water	Average	SCOP (TDHW=50°C)	kW/kW	2.95			
	Warmer		kW/kW	3.50			
	Colder		kW/kW	2.40			
Sound Pressure Level			dB(A)	51	52	53	54
External Dimensions	Height×Width×Depth		mm	845 × 1100 × 426			
Net Weight			kg	83	83	96.5	96.5
Connectable Indoor Units	Quantity		pcs	1~6	1~6	1~8	1~9
	Connection Ratio		%	50~150%			
Piping Design	Total Piping Length		m	≤200			
	Max. Pipe Length	From ODU to Farthest IDU	m	70			
		From ODU to First Branch	m	30			
		From First Branch to IDU/Water Module	m	40			
		From Each Branch to IDU	m	15			
	Max. Height Difference	Between ODU and IDU/Water Module	m	50/40			
Outdoor Ambient Temperature Range	Air to Air	Cooling	°C DB	-10~52			
		Heating	°C WB	-25.5~15.5			
	Air to Water	Space Heating	°C DB	-25~35			
		Domestic Hot Water	°C DB	-25~43			
		Heat Recovery	°C DB	12~43			
Outlet Water Temperature Range	Air to Water	Space Heating	°C	15~60			
		Water Tank (including Heat Recovery)	°C	30~60 (75 with DHW electric heater)			

Type		Split	Integra	
Model		AFM-160HJDH	AFS-121HJDH-23	AFS-160HJDH-23
Power Supply		AC 1Φ, 220-240V/50Hz/60Hz		
External Dimensions (Height×Width×Depth)	mm	890×520×320	1885×595×625	
Net Weight	kg	50	128.5	
Water Pump Lift	mwc	12	12.5	
Water Tank Capacity	L	-	230	
Sound Pressure Level	dB(A)	29	26	
Sound Power Level	dB(A)	44	42	

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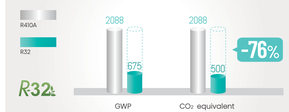
HCAC-VRF-MFII202510WE

R32 - The Most Sustainable Choice

The EU F-GAS Regulation 2024/573 officially came into effect on March 11, 2024, driving the transition toward lower-GWP alternatives such as R32. It aims to reduce the use and emissions of hydrofluorocarbons (HFCs) and achieve a complete phase-out by 2050.

R32 Refrigerant 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



R32 Refrigerant Safety Protection

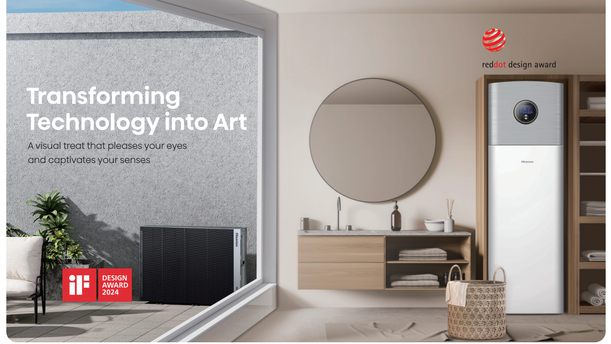
Refrigerant Leakage Detection

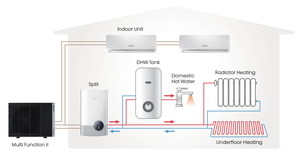
Real-time refrigerant leakage detection is essential for R32 refrigerant system. If the refrigerant concentration exceeds 5000ppm, the indoor unit will stop operation, and trigger the audible and visual alarm on controller and detector.

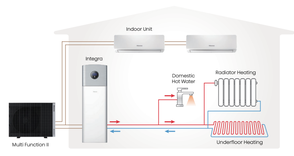
Refrigerant Recovery

If the leak exceeds the safe capacity, the system immediately activates refrigerant recovery. Furthermore, in the event of a sudden power outage, the shut-off box automatically closes the valves to prevent leaks.

Picture			
Accessories	Refrigerant Detector	Refrigerant Sensor	Shut-off Box
Model	HOPT-ERD01	HOPT-ERD02	HESE-2V15







Refrigerant Pipe — Water Pipe (Supply) — Water Pipe (Return)

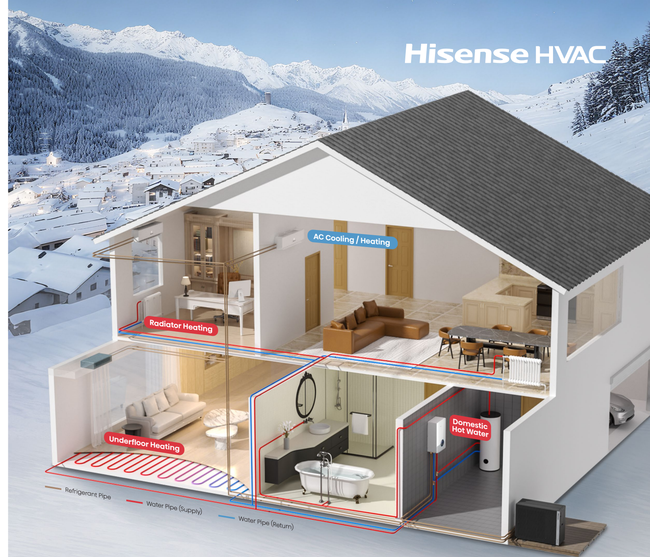
Multiple Operating Modes for Year-round Comfort

In Summer
- Cooling
- Heat Recovery Cooling (priority) + Domestic Hot Water (priority)

In Spring / Autumn
- Domestic Hot Water

All-Year Round
- Swimming Pool Heating

In Winter
- Heating
- Heating+Domestic Hot Water



All-in-one VRF System

Bring Nature Home - In Every Breath and Drop

R32

Multi Function II Series

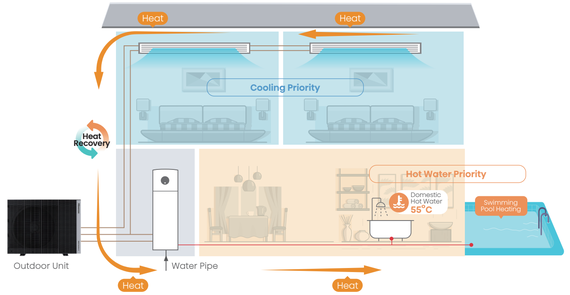
Hisense Multi Function II series is an all-in-one system, delivering year-round AC cooling/heating, underfloor/radiator heating, and domestic hot water.

Scan the QR Code to Watch the Video

High Efficiency

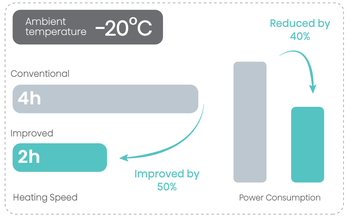
Energy-saving Heat Recovery

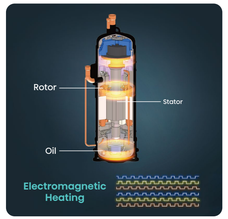
When operating in cooling mode, the system recovers waste heat from indoor air to heat domestic hot water to max.55℃ without any additional electricity consumption. It maximizes overall energy efficiency and helps lower your energy bills. Additionally, you can prioritize either cooling or domestic hot water as needed.



Electromagnetic Heating

The compressor adopts electromagnetic heating technology to directly heat the lubricating oil inside the fixed rotor instead of the traditional external electric heating belt, which reduces power consumption by 40% and improves heating speed by 50%.

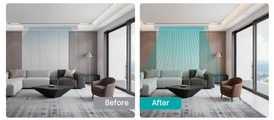


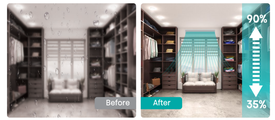


Year-round Comfort

Ultra-Rapid Coolingr&Dehumidification

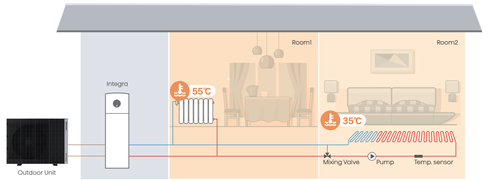
Compared to (ATW) water heat exchange, refrigerant heat exchange achieves lower evaporation temperatures for quicker cooling performance. In coastal regions, homes are more prone to mold and mildew, making rapid dehumidification essential. Hisense Multi Function II series offers adjustable humidity settings from 35% to 90%, providing tailored moisture control to meet diverse needs and ensure a healthier indoor environment.





Two Separate Temp. Cycles

With the mixing valve kit, two separate temperature zones are possible through independent heating cycles. Different water temperatures for underfloor heating and radiators provide customized comfort tailored to each area of your home.



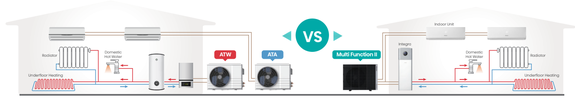
24h Hot Water Supply

Hisense Multi Function II series guarantees stable operation even when the outdoor temperature is as low as -25℃, effortlessly meeting heating demands in extreme cold areas. With the ability to produce outlet water temperatures of up to 75℃ (auxiliary electric heating is needed), you can enjoy health and warmth with effective sterilization. Besides, the unit can also achieve swimming pool heating.

Exceptional Flexibility

All-in-one VRF System

By integrating both air and water systems into a single outdoor unit, the all-in-one design not only lowers product costs and minimizes installation space, but also significantly reduces installation and commissioning time. Double the function, half the hassle.



Compact Deisgn & Light Weight

The single-fan design offers a smaller footprint and lighter weight, allowing easy transport via elevators and simple installation in tight spaces. When installed in narrow areas where discharged air is blocked by some obstacle, the air outlet guide can redirect airflow upward, left, or right to improve heat dissipation efficiency.

Note: The air outlet guide is optional and the structure may be modified according to actual requirements.

Long Piping Desgin

Multi Function II series optimizes piping length and maximizes connection ratio (50%-150%), greatly simplifying system design and perfectly adapting to diverse layouts.

Max. Connectable IDUs **9**

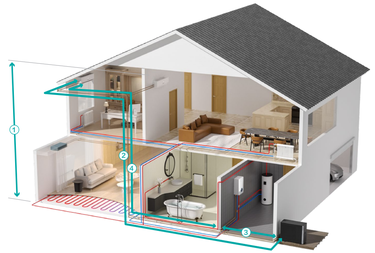
Max. Connection Ratio **150%**

① Max. height difference between ODU and IDU:
50/40m

② Max. piping length from ODU to farthest IDU:
70m

③ Max. piping length from ODU to first branch:
30m

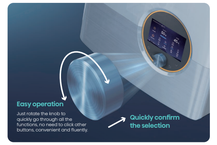
④ Max. piping length from first branch to IDU/Water Module:
40m



Intelligent Control

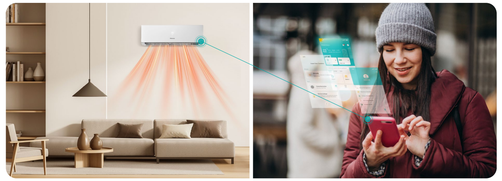
Integrated Controller - User-friendly Interaction

The indoor unit has a built-in colorful wired controller, which can be easily operated through the knob and the buttons. 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 can intuitively indicate the current operating mode.



Remote Control - Touch for a Smarter Life

With the Hi-Mit II adapter, users can control the whole-house system anytime and anywhere. All functions are just a touch away on your phone.



Voice Control - Voice for a Smarter Home

Our system supports intelligent voice control via Alexa and Google Assistant for effortless adjustments. Just give a command and instant comfort is always within reach, whether you're bathing, cooking, sleeping, or gaming.