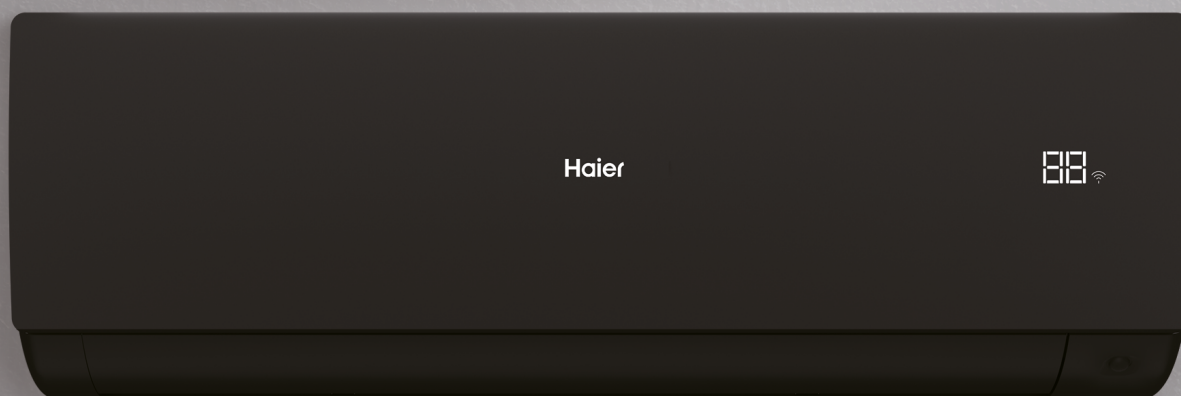
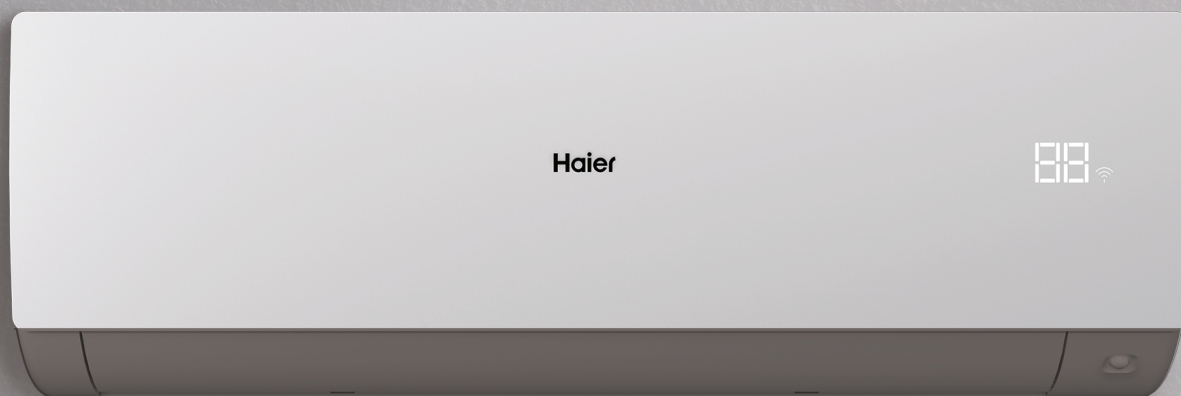


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NEW SERENE

Artificial Intelligence meets
Ultimate Comfort

Haierhvac.eu

SERENE

High Wall Mono-Split Inverter

2,5 kW

5,0 kW

3,5 kW

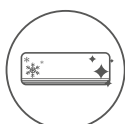
7,1 kW



Integrated Wi-Fi control



Features



Self Clean



UVC Plus



56° Steri-Clean



Quick Pair



Easy Installation



Silence



Coanda Plus



AI-Powered Radar Function

Serene features cutting-edge AI-powered radar technology that detects human presence across three distinct zone, follows your movement patterns and continuously adjusts airflow direction and temperature in real time.

Enhanced energy efficiency is achieved by the algorithm when the space is vacant, while personalised comfort is guaranteed when you return.



AI Safety Control*

Serene's algorithm monitors indoor air conditions and proactively prevents dangerous scenarios. By analyzing indoor temperature and humidity levels, the system can anticipate potential heat-related risks and automatically activate cooling mode. This predictive approach ensures a safer, more stable indoor environment, especially for vulnerable individuals, while maintaining high energy efficiency and minimizing unnecessary system usage.

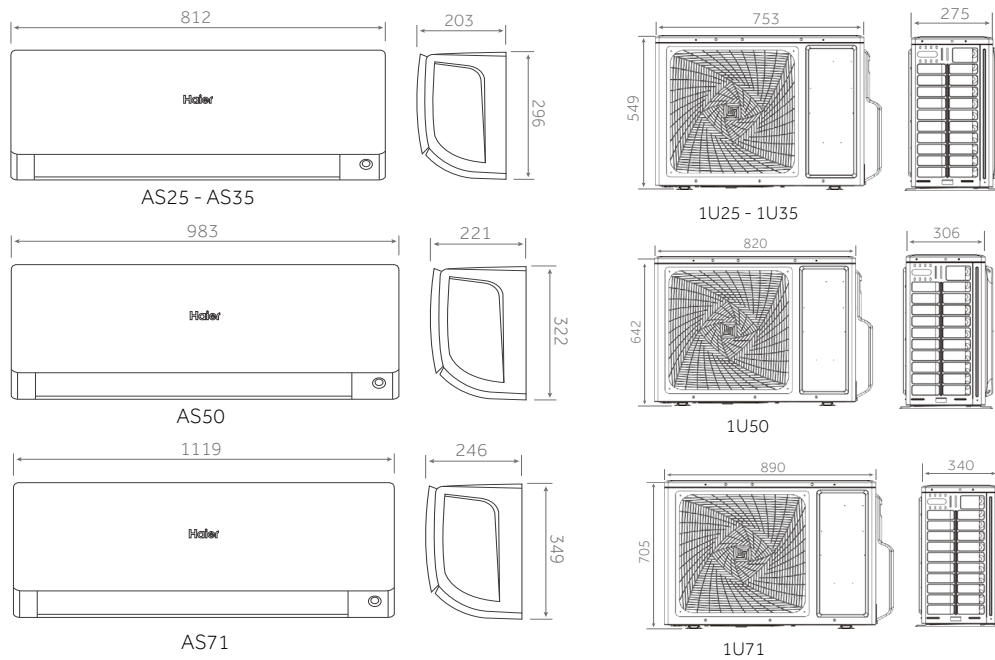
* This function can only be activated via the hOn application



AI-Enhanced PID Control

Serene goes beyond basic heating and cooling by maintaining an optimal balance of temperature and humidity using advanced PID control. Its high-precision humidity sensor in coordination with the AI-driven control regulate compressor frequency, fan speed, and refrigerant temperature with exceptional accuracy. It doesn't only achieve a stable and optimized indoor climate but also ensures highly efficient operation.

Technical Illustrations



Controllers



Standard HJ1-W/B

MODEL	Indoor	Black	AS25SBBHRA-MB	AS35SBBHRA-MB	AS50SDBHRA-MB	AS71SEPHRA-MB
		White	AS25SBBHRA-MW	AS35SBBHRA-MW	AS50SDBHRA-MW	AS71SEPHRA-MW
Output power - COOLING	nom (min-max)	kW	2,60 (0,8-3,4)	3,50 (0,8-3,8)	5,30 (2,0-6,3)	7,10 (2,1-8,0)
Output power - HEATING	nom (min-max)	kW	3,0 (0,7-3,7)	3,7 (0,7-4,0)	5,9 (1,35-6,8)	7,4 (1,5-8,5)
Absorbed power - COOLING	nom (min-max)	kW	0,65 (0,3-1,2)	1,05 (0,3-1,3)	1,46 (0,21-2,2)	1,97 (0,21-2,2)
Absorbed power - HEATING	nom (min-max)	kW	0,80 (0,3-1,4)	1,08 (0,3-1,4)	1,47 (0,5-2,7)	1,95 (0,6-3,2)
Energy class	EER	W/W	4,0	3,31	3,61	3,60
	COP	W/W	3,71	3,41	4,0	3,80
COOLING Pdesign	35 °C	kW	2,60	3,20	5,30	7,10
HEATING Pdesign	(-10 °C)	kW	2,50	2,80	4,70	5,60
Energy class	SEER		8,80 (A+++)	8,51 (A+++)	8,51 (A+++)	8,50 (A+++)
	SCOP		4,60 (A++)	4,60 (A++)	4,60 (A++)	4,60 (A++)
Annual Energy Consumption - COOLING		kWh/a	103	132	218	292
Annual Energy Consumption - HEATING		kWh/a	761	852	1430	1704
Indoor Unit						
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Treated air volume	H	m ³ /h	610/550	630/580	800/830	1060/910
Dehumidification		L/h	1,2	1,4	2,3	3,0
High sound power - COOLING		dB	58	60	60	65
High sound power - HEATING		dB	58	60	60	65
Sound pressure - COOLING		dB(A)	38/33/27/19	39/34/28/20	44/40/36/31	48/42/35/27
Sound pressure - HEATING		dB(A)	36/31/27/19	35/32/28/20	44/40/36/31	44/40/36/31
Net dimensions	WxDxH	mm	812x296x203	812x296x203	983x221x322	1119x246x349
Packaging dimensions	WxDxH	mm	876x365x272	876x365x272	1050x397x301	1185x428x331
Net/gross weight		kg	8,80/11,10	8,80/11,10	12,80/15,60	15,40/18,90
Outdoor Unit						
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power cable		N x mm ²	3x1,5	3x1,5	3x2,5	3x2,5
Interconnection cable		N x mm ²	4x1,0	4x1,0	4x1,0	4x1,0
Sound power	H	dB	63	63	65	70
Sound pressure	H	dB(A)	49	51	55	57
Running current cooling/heating	Max	A	6,20/6,20	6,20/6,20	12,30/12,30	14,00/14,00
Starting current cooling/heating	Max	A	1,5/1,5	1,5/1,5	2,0/2,0	2,0/2,0
Net dimensions	WxDxH	mm	753x275x549	753x275x549	820x306x642	890x340x705
Packaging dimensions	WxDxH	mm	875x360x608	875x360x608	940x390x697	1010x440x764
Net/gross weight		kg	22,4/24,8	24,0/26,4	36,3/39,1	43/47
Compressor type			Rotary inverter	Rotary inverter	Twin rotary inverter	Twin rotary inverter
Installation data						
Refrigerant			R32	R32	R32	R32
Liquid pipe	Ø	mm (inch)	6,35 (1/4)	6,35 (1/4)	6,35 (1/4)	6,35 (1/4)
Gas pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)	12,70 (1/2)	15,88 (5/8)
Standard pipe length without refrigerant charge		m	5	5	7	7
Maximum pipe length		m	20	20	25	25
Maximum IU - OU elevation		m	10	10	15	15
Refrigerant charge in the factory		kg	0,54	0,55	1,10	1,35
Refrigerant charge in the factory		TCO _{2eq}	0,36	0,37	0,74	0,91
Additional ref. charge over std length		g/m	20	20	20	20
Operating limits - COOLING (in/out)	min-max	°C	21-35/-20-43			
Operating limits - HEATING (in/out)	min-max	°C	10-27/-20-24			

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