

Haier
HVAC Solutions



FLEXIS PLUS

The air conditioner with integrated UVC lamp

Haierhvac.eu

FLEXIS PLUS

Residential Mono-Split Inverter

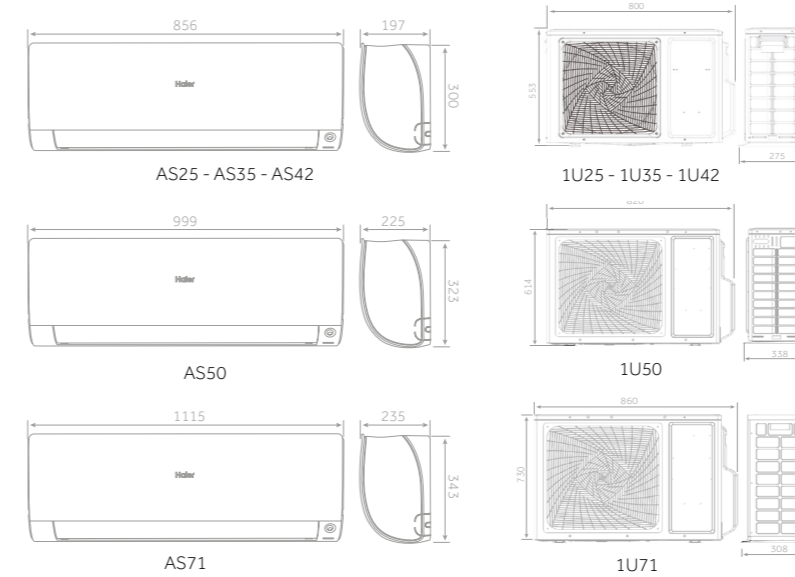
2,5 kW 5,0 kW
3,5 kW 7,1 kW

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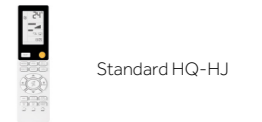


A+++ / A+

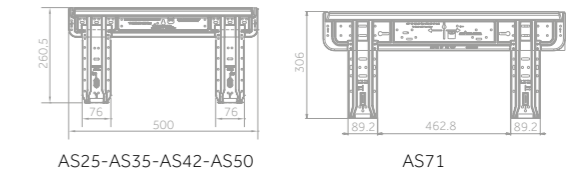
Technical Illustrations



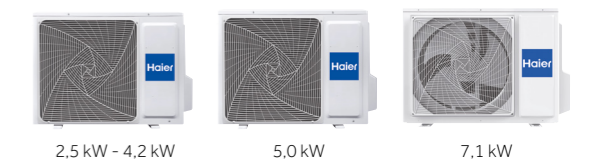
Controller



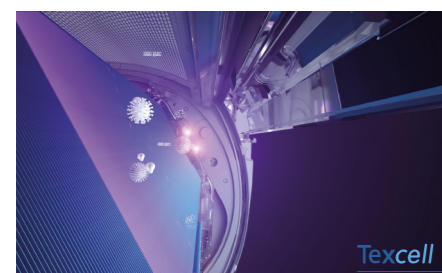
Mounting Dim.



Outdoor Units



Features



UVC Sterilisation

The Haier UVC generator has received a Novel Coronavirus Inactivation certificate from the leader Texcell S.A, an independent viral testing laboratory in France.

The global research body has concluded that the Haier UVC Generator inactivates 99.998% of Novel Coronavirus (SARS-CoV-2) within their sealed testing facilities.



56°C Steri-Clean

Destroys bacteria and viruses by heating the evaporator to a elevated temperature of 56°C for 30 minutes.

According to the latest research, it appears that almost no bacteria or virus can survive at 56°C for more than 30 minutes. After the heating process is completed, the evaporator is instantly cooled to achieve better Sterilisation performance.



ECO Sensor

Detects the condition of air and people's movement in real time, adjusting the operating mode of the air conditioner to improve energy efficiency and optimise the users experience.

It uses a double area detection with a maximum angle of 120 degrees and a distance of 8m.

INDOOR UNIT BLACK	Model	AS25S2SF1FA-MB3	AS35S2SF1FA-MB3	AS50S2SF1FA-MB3	AS71S2SF1FA-MB3
INDOOR UNIT WHITE	Model	AS25S2SF1FA-MW3	AS35S2SF1FA-MW3	AS50S2SF1FA-MW3	AS71S2SF1FA-MW3
OUTDOOR UNIT STANDARD		1U25S2SM1FA-2	1U35S2SM1FA-2	1U50S2S2FA-2	1U71S2SR2FA
OUTDOOR UNIT NORDIC	Model	1U25MEHFRA-1	1U35MEHFRA-1	1U50KEFFRA-1	-
Performance data					
Output power - COOLING	nom (min-max) KW	2,60 (0,80-3,20)	3,50 (1,00-4,00)	5,20 (1,40-6,00)	7,00 (2,20-7,50)
Output power - HEATING	nom (min-max) KW	3,20 (0,80-4,20)	4,20 (1,00-5,20)	6,00 (1,40-6,90)	8,00 (2,40-8,50)
Absorbed power - COOLING	nom (min-max) KW	0,650 (0,20-1,20)	0,870 (0,30-1,50)	1,413 (0,50-2,00)	2,167 (0,70-2,50)
Absorbed power - HEATING	nom (min-max) KW	0,800 (0,30-1,50)	1,102 (0,50-1,60)	1,500 (0,52-2,35)	2,156 (0,70-2,90)
Energy Class	EER W/W	4,00	4,00	3,60	3,23
	COP W/W	4,00	3,81	4,00	3,71
COOLING Pdesign	35 °C KW	2,60	3,50	5,20	7,00
HEATING Pdesign	(-10 °C) KW	2,40	2,80	4,60	5,60
Energy Class	SEER	8,50 (A+++)	8,50 (A+++)	7,20 (A++)	7,10 (A++)
	SCOP	4,60 (A++)	4,60 (A++)	4,60 (A++)	4,00 (A+)
Annual Energy Consumption - COOLING	kWh/a	107	144	253	345
Annual Energy Consumption - HEATING	kWh/a	731	854	1400	1959
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	m ³ /h	600	650	900	1100
Dehumidification	L/h	1,2	1,6	2,0	2,8
High sound power - COOLING	dB	53	55	57	60
High sound power - HEATING	dB	53	55	57	60
Sound pressure - COOLING	dB(A)	38/32/25/16	39/33/26/17	45/41/37/28	47/43/37/33
Sound pressure - HEATING	dB(A)	38/32/25/19	39/33/26/20	45/41/37/28	47/43/37/33
Net dimensions	WxDxH mm	856 x 197 x 300	856 x 197 x 300	999 x 225 x 323	1115 x 235 x 343
Packaging dimensions	WxDxH mm	952 x 283 x 389	952 x 283 x 389	1100 x 314 x 420	1202 x 319 x 432
Net/gross weight	kg	9,5/12,0	9,5/12,0	12,0/15,0	15,2/18,2
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	3 x 1,5	3 x 1,5	3 x 2,5	3 x 2,5
Interconnection cable	N x mm ²	4 x 1,0	4 x 1,0	4 x 1,0	4 x 1,0
Sound power	dB	59	61	63	70
Sound pressure	dB(A)	47	48	50	57
Running current cooling/heating	Max A	6,8/6,8	7,2/7,2	10,68/10,68	13,0/13,0
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	800 x 280 x 553	800 x 280 x 553	820 x 305 x 643	890 x 340 x 705
Packaging dimensions	WxDxH mm	902 x 375 x 614	902 x 375 x 614	940 x 390 x 697	1046 x 460 x 780
Net/gross weight	kg	27,6/30,4	30,0/32,9	37,8/40,5	45,0/50,0
Compressor type		Rotary Inverter	Rotary Inverter	Twin Rotary Inverter	Twin Rotary Inverter
Installation data					
Refrigerant		R32	R32	R32	R32
Liquid pipe	∅ mm (inch)	6,35 (1/4)	6,35 (1/4)	6,35 (1/4)	9,52 (3/8)
Gas pipe	∅ 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	7	7	7	7
Maximum pipe length	m	20	20	25	50
Maximum IU - OU elevation	m	10	10	15	30
Refrigerant charge in the factory	kg	0,63	0,78	1,10	1,30
Refrigerant charge in the factory	TCO2eq	0,43	0,53	0,74	0,88
Additional ref. charge over std length	g/m	20	20	20	45
Operating limits - COOLING (in/out)	min-max °C	21-35°C/-20-43°C			
Operating limits - HEATING (in/out)	min-max °C	10-27°C/-20-24°C			

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