Haier

EXPERT

2,5 kW
3,5 kW
4,2 kW
5,0 kW
7,1 kW

hOn
Integrated
Wi-Fi Control

Standard HR-HJ

reddot winner 2022



The Expert indoor unit with UVC-Pro, Steri-Clean 56°C and Self-Clean functions raises air purification and sanitization to new levels. With its stylish, matt finish - in both black and white - and clean-cut lines, Expert can elevate any space. It enhances performance with energy efficiency levels of A+++/A++ and, thanks to the Coanda Air Flow, brings superior comfort. Its easy disassembly design makes cleaning and maintenance quick and simple.

KEY FEATURES

Easy Installation

I Feel

Self Clean

Eco Sensor

Easy to Disassemble

2-Way Piping Design

UVC Pro

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MODEL	Indoor	Black	AS25XCAHRA-MB	AS35XCAHRA-MB	AS42XCAHRA-MB1	AS50XCAHRA-MB	AS71XCAHRA-MB
		White	AS25XCAHRA	AS35XCAHRA	AS42XCAHRA-1	AS50XCAHRA	AS71XCAHRA
	Outdoor		1U25S2SM1FA-2	1U35S2SM1FA-2	1U42S2SM1FA	1U50S2SJ2FA-2	1U71S2ST1FA
Performance data							
Output power - COOLING	nom (min-max)	kW	2,80 (0,80-3,20)	3,50 (1,00-4,00)	4,2 (1,20~4,80)	5,00 (1,40-5,50)	6,20 (2,20-7,00)
Output power - HEATING	nom (min-max)	kW	3,20 (0,80-4,20)	4,20 (1,00-5,20)	4,4 (1,30~5,80)	5,60 (1,70-6,20)	6,80 (2,40-7,80)
Absorbed power – COOLING	nom (min-max)	kW	0,651 (0,20-1,20)	0,875 (0,30-1,40)	1,3 (0,40~1,70)	1,470 (0,50-2,00)	1,92 (0,70-2,60)
Absorbed power – HEATING	nom (min-max)	kW	0,761 (0,30-1,50)	1,037 (0,50-1,60)	1,190 (0,52~2,20)	1,509 (0,52-2,30)	1,83 (0,60-2,90)
Energy class	EER	W/W	4,30	4,00	3,23	3,40	3,23
	COP	W/W	4,20	4,05	3,71	4,00	3,71
COOLING Pdesign	35 °C	kW	2,80	3,50	4,2	5,00	6,20
HEATING Pdesign	(-10 °C)	kW	2,50	2,80	3,6	4,60	5,60
Energy class	SEER		8,80 (A+++)	8,50 (A+++)	7,0 (A++)	6,60 (A++)	6,80 (A++)
	SCOP		4,75 (A++)	4,75 (A++)	5,10 (A+)	4,60 (A++)	4,00 (A+)
Annual Energy Consumption - COOLING		kWh/a	111	144	210	265	320
Annual Energy Consumption - HEATING		kWh/a	737	825	1260	1400	1960
Indoor Unit							
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220-240/50	1/220-240/50
Treated air volume	H	m3/h	730	800	800	880	920
Dehumidification		L/h	1,2	1,6	1,8	2,0	2,8
High sound power - COOLING		dB	56	57	57	60	65
High sound power - HEATING		dB	56	57	57	60	65
Sound pressure - COOLING		dB(A)	39/32/25/16	40/33/26/17	40/33/26/17	45/37/29/20	47/45/37/29
Sound pressure -HEATING		dB(A)	39/32/25/16	40/33/26/17	40/33/26/17	45/37/29/20	47/45/37/29
Net dimensions	WxDxH	mm	895x236x313	895x236x313	895x236x313	895x236x313	895x236x313
Packaging dimensions	WxDxH	mm	964x386x316	964x386x316	964x386x316	964x386x316	964x386x316
Net/gross weight		kg	11,3/14,0	11,3/14,0	11,3/14,0	11,6/14,2	12,4/14,8
Outdoor Unit							
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Power cable		N x mm2	3 x 1,5	3 x 1,5	3 x 1,5	3 x 2,5	3 x 2,5
Interconnection cable		N x mm2	4 x 1,0	4 x 1,0	4 x 1,0	4 x 1,0	4 x 1,0
Sound power	H	dB	59	61	63	63	70
Sound pressure	H	dB(A)	47	48	50	51	57
Running current cooling/heating	Max	A	6,8/6,8	7,2/7,2	8,2/8,2	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	2,0/2,0
Net dimensions	WxDxH	mm	800x280x553	800x280x553	800x280x553	820x305x643	890x340x705
Packaging dimensions	WxDxH	mm	902x375x614	902x375x614	902x375x614	940x390x697	1046x460x780
Net/gross weight		kg	27,6/30,4	30,0/32,9	31,5/34	37,8/40,5	45,0/50,0
Compressor type			Rotary inverter	Rotary inverter	Rotary inverter	Twin rotary inverter	Twin rotary inverter
Installation data							
Refrigerant			R32	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)	9,52 (3/8)
Gas pipe	Ø	mm (inch)	9,52 (3/8)	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	7
Maximum pipe length		m	20	20	20	25	50
Maximum IU - OU elevation		m	10	10	10	15	30
Refrigerant charge in the factory		kg	0,63	0,78	0,94	1,10	1,23
Refrigerant charge in the factory		TCO2eq	0,43	0,53	0,63	0,74	0,83
Additional ref. charge over std length		g/m	20	20	20	20	45
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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