

DUCTED SLIM LOW PRESSURE



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



Recommended controls
HW-BA101ABT or HW-SA301AFK

Please see pages 31 & 32
For Controller Options

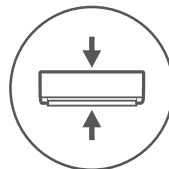


The Slim Duct Low Pressure unit, available in 2,5kW, 3.5kW, 5.0kW and 7.1kW, offer compact design for high flexibility. Equipped with premium features such as the UVC Sterilisation module that actively inhibits viruses and bacteria, and the hOn Wi-Fi control. The Slim Duct Low Pressure comes with a standard condensate drain pump.

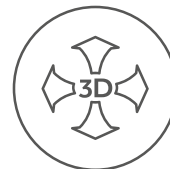
KEY FEATURES



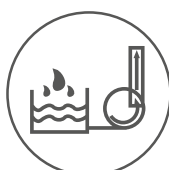
Silence



Compact Design



3D



Condensate Drain Pump



Flexible Installation



UVC Sterilisation

MODEL	Indoor		AD25S2SS1FA(H)	AD35S2SS1FA(H)	AD50S2SS1FA(H)	AD71S2SS1FA(H)	AD71S2SS1FA(H)
	Outdoor		1U25S2SM1FA-2	1U35S2SM1FA-2	1U50S2SJ2FA-2	1U71S2ST1FA	1U71S2SR3FA
Performance data							
Output power - COOLING	nom (min-max)	kW	2,5 (0,7-4,3)	3,50 (1,00-4,30)	5,00 (1,40-5,70)	6,80 (2,00-7,30)	7,10 (2,00-7,60)
Output power - HEATING	nom (min-max)	kW	3,1 (0,9-4,6)	4,00 (1,00-5,30)	5,80 (1,40-6,00)	7,50 (2,50-8,00)	7,50 (2,50-8,30)
Absorbed power - COOLING	nom (min-max)	kW	0,77 (0,25-1,6)	0,91 (0,30-1,50)	1,45 (0,50-2,00)	2,00 (0,50-2,60)	2,20 (0,50-3,00)
Absorbed power - HEATING	nom (min-max)	kW	0,84 (0,25-1,6)	1,07 (0,50-1,60)	1,56 (0,52-2,35)	1,97 (0,50-2,60)	2,01 (0,60-2,90)
Energy class	EER	W/W	3,23	3,81	3,48	3,40	3,24
	COP	W/W	3,71	3,73	3,73	3,80	3,73
COOLING Pdesign	35 °C	kW	2,5	3,50	5,00	7,10	7,10
HEATING Pdesign	(-10 °C)	kW	2,8	3,00	4,40	5,00	5,00
Energy class	SEER		6,10 (A++)	6,10 (A++)	6,10 (A++)	6,10 (A++)	6,10 (A++)
	SCOP		4,0 (A+)	3,80 (A+)	3,80 (A+)	4,00 (A+)	4,00 (A+)
Annual Energy Consumption - COOLING		kWh/a	210	146	240	406	406
Annual Energy Consumption - HEATING		kWh/a	1398	945	1491	1831	1836
Indoor Unit							
Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
Treated air volume	H/M/L/Q	m ³ /h	580/480/380	600/480/420	900/750/600	1000/850/750	1000/850/750
External static pressure		dB	0/10/20/40	0/10/20/40	0/10/20/40	0/10/20/40	0/10/20/40
High sound power		dB	50	53	54	59	59
Sound pressure		dB(A)	32/28/26	33/28/25	36/34/32	46/44/42	46/44/42
Net dimensions	WxDxH	mm	850x420x185	850x420x185	1170x420x185	1170x420x185	1170x420x185
Packaging dimensions	WxDxH	mm	1045x530x260	1045x530x260	1365x530x260	1365x530x260	1365x530x260
Net/gross weight		kg	16,0/21,0	16,0/21,0	22,8/27,0	25,2/28,4	25,2/28,4
Panel (Optional)	Model		P1B-890IA/D	P1B-890IA/D	P1B-1210IA/D	P1B-1210IA/D	P1B-1210IA/D
Panel Net dimensions	WxDxH	mm	890x190x100(outlet panel) 890x290,5x32,4 (inlet panel)		1210x190x100(outlet panel) 1210x290,5x32,4 (inlet panel)		
Panel Packaging dimensions	WxDxH	mm	938x335x220	938x335x220	1258x335x220	1258x335x220	1258x335x220
Panel Net/gross weight		kg	4,0/5,0	4,0/5,0	5,0/6,0	5,0/6,0	5,0/6,0
Outdoor Unit							
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50/60	1/220-240/50/60
Power cable		N x mm ²	3 x 1,5	3 x 1,5	3 x 1,5	3 x 4,0	3 x 4,0
Interconnection cable		N x mm ²	4 x 1,0	4 x 1,0	4 x 1,0	4 x 2,5	4 x 2,5
Sound power	H	dB	59	61	63	68	68
Sound pressure	H	dB(A)	47	48	51	54	54
Running current cooling/heating	Max	A	8,0	8,0	10,68	13,1	13,1
Starting current cooling/heating	Max	A	2,0	2,0	2,0	2,0	2,0
Net dimensions	WxDxH	mm	800x280x553	800x280x553	820x306x642	890x340x705	890x340x705
Packaging dimensions	WxDxH	mm	902x375x614	902x375x614	940x390x697	1046x460x780	1046x460x780
Net/gross weight		kg	27,6/30,4	30,0/32,9	37,8/40,5	44,0/48,0	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	∅	mm (inch)	6,35 (1/4)	6,35 (1/4)	6,35 (1/4)	9,52 (3/8)	9,52 (3/8)
Gas pipe	∅	mm (inch)	9,52 (3/8)	9,52 (3/8)	12,70 (1/2)	15,88 (5/8)	15,88 (5/8)
Standard pipe length without refrigerant charge		m	7	7	7	10	10
Maximum pipe length		m	20	20	25	50	50
Maximum IU - OU elevation		m	10	10	15	30	30
Refrigerant charge in the factory		kg	0,63	0,78	1,10	1,23	1,30
Refrigerant charge in the factory		TCO2eq	0,43	0,53	0,74	0,83	0,87
Additional ref. charge over std length		g/m	20	20	20	45	45
Operating limits - COOLING (in/out)	min-max	°C	-20-43	-20-43	-20-43	-20-46	-20-46
Operating limits - HEATING (in/out)	min-max	°C	-20-24	-20-24	-20-24	-20-24	-20-24

DUCTED MEDIUM PRESSURE



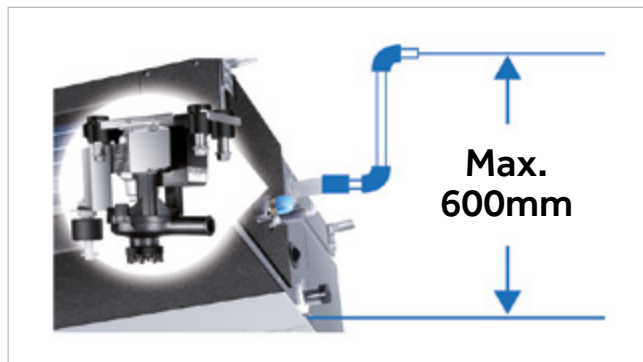
COMPACT DESIGN

The unit has a thickness of 248 mm which allows better adaptation and ease of installation.



CONDENSATE DRAIN

The medium-pressure ducted unit includes a condensate drain pump as standard. This guarantees a maximum prevalence of 600 mm measured from the base of the machine. There is the possibility of performing condensate drain by gravity (reversible on both sides).



EASY INSTALLATION

- The connection of electrical cables is now possible through only one screw.
- The ducted units have two options for connecting the air extraction channel: rear or lower.



Wi-Fi

Besides normal wired/infrared control, Haier supplies Smart Control from the hOn APP. This includes on/off. Operation mode selection, fan speed temperature, and air flow adjustment, schedule, UV function and steri-clean 56°C.



FRESH AIR

Air exchange allows the introduction of clean air into the room.

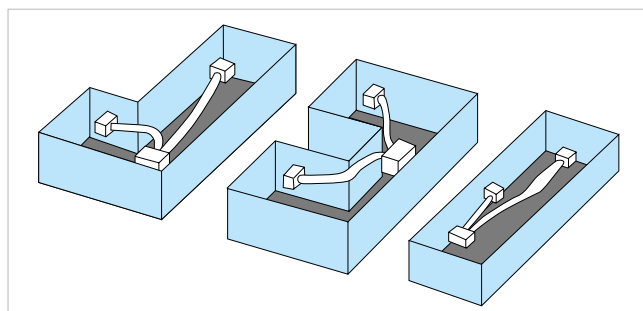
UVC Sterilisation

The built-in LED UV lights kill airborne hazards when the air circulates from the air inlet, ensuring the air out is clean.



Flexible air distribution

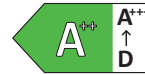
The ducted units satisfy multiple installation solutions (circular or rectangular channels).



Haier

NEW

DUCTED MEDIUM PRESSURE



- 3,5 kW
- 5,0 kW
- 7,1 kW
- 10,5 kW
- 12,5 kW
- 13,4 kW
- 14,0 kW
- 16,0 kW



Integrated Wi-Fi Control



Recommended controls HW-BA101ABT or HW-SA301AFK

Please see pages 31 & 32 For Controller Options

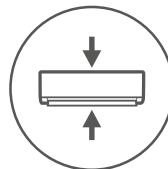


Designed for ultimate flexibility, this compact unit (just 248mm high) can fit in low ceiling spaces and offers dual air return options (rear or bottom) for adaptable installation. With 150Pa max ESP and left/right drain outlets, setup is effortless. The built-in 1000mm lift drain pump and 2-screw access panel simplify maintenance, while Air Guard technology delivers 99.9% antibacterial filtration and UVC sterilization for purified air. Wi-Fi control via hOn App and optional fresh-air intake make this a smart, hygienic solution.

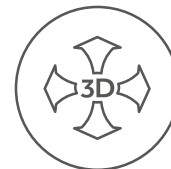
KEY FEATURES



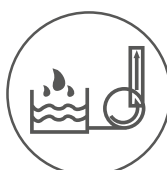
Silence



Compact Design



3D



Condensate Drain Pump



Flexible Installation

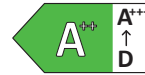


UVC Sterilisation

MODEL	Indoor NEW		AD35S2SM9FA(H)	AD50S2SM9FA(H)	AD71S2SM9FA(H)
	Outdoor		1U35S2SM1FA-2	1U50S2SJ2FA-2	1U71S2ST1FA
Performance data					
Output power - COOLING	nom (min-max)	kW	3,5 (0,9-4,5)	5,0 (1,8-6,0)	7,1 (2,0-7,3)
Output power - HEATING	nom (min-max)	kW	4,0 (1,0-4,8)	6,0 (2,0-6,2)	7,6 (2,5-8)
Absorbed power – COOLING	nom (min-max)	kW	1,08 (0,28-1,80)	1,55 (0,55-2,00)	2,08 (0,5-2,6)
Absorbed power – HEATING	nom (min-max)	kW	1,08 (0,28-1,80)	1,48 (0,60-2,00)	2,00 (0,5-2,6)
Energy class	EER	W/W	3,23	3,42	3,01
	COP	W/W	3,71	3,8	3,5
COOLING Pdesign	35 °C	kW	3,5	5,0	6,8
HEATING Pdesign	(-10 °C)	kW	2,7	4,5	5
Energy class	SEER		6,10 (A++)	6,10 (A++)	6,83 (A++)
	SCOP		4,00 (A+)	4,00 (A+)	4,25 (A+)
Annual Energy Consumption - COOLING		kWh/a	215	291	406
Annual Energy Consumption - HEATING		kWh/a	1020	1782	1831
Indoor Unit					
Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
Treated air volume	H/M/L/Q	m ³ /h	840/720/600/450	1020/900/780/550	1440/1260/1100/900
External static pressure		L/h	25(default)/37/50/70/90/100/110/120/130/150		
High sound power		dB	55	56	60
Sound pressure		dB(A)	41/35/28/26	43/37/30/28	44/41/39/36
Net dimensions	WxDxH	mm	700x700x248	1100x700x248	1100x700x248
Packaging dimensions	WxDxH	mm	914x866x318	1316x866x318	1316x866x318
Net/gross weight		kg	26,0/30,0	31,0/35,0	31,0/35,0
Outdoor Unit					
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50/60
Power cable		N x mm ²	3 x 1,5	3 x 1,5	3 x 4,0
Interconnection cable		N x mm ²	4 x 1,0	4 x 1,0	4 x 2,5
Sound power	H	dB	61	63	68
Sound pressure	H	dB(A)	48	51	54
Running current cooling/heating	Max	A	8,0	10,68	13,1
Starting current cooling/heating	Max	A	2,0	2,0	2,0
Net dimensions	WxDxH	mm	800x275x553	820x305x643	890x340x705
Packaging dimensions	WxDxH	mm	902x375x605	940x390x697	1046x460x780
Net/gross weight		kg	30,0/32,9	35,7/38,5	44,0/48,0
Compressor type			Rotary inverter	Rotary inverter	Twin rotary inverter
Installation data					
Refrigerant			R32	R32	R32
Liquid pipe	Ø	mm (inch)	6,35 (1/4)	6,35 (1/4)	9,52 (3/8)
Gas pipe	Ø	mm (inch)	9,52 (3/8)	12,70 (1/2)	15,88 (5/8)
Standard pipe length without refrigerant charge		m	7	7	10
Maximum pipe length		m	20	25	50
Maximum IU - OU elevation		m	10	15	30
Refrigerant charge in the factory		kg	0,78	1,10	1,23
Refrigerant charge in the factory		TCO ₂ eq	0,53	0,74	0,88
Additional ref. charge over std length		g/m	20	20	45
Operating limits - COOLING (in/out)	min-max	°C	-20-43	-20-43	-20-46
Operating limits - HEATING (in/out)	min-max	°C	-20-24	-20-24	-20-24

Additional technical specifications on next page

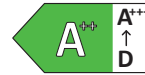
DUCTED MEDIUM PRESSURE



MODEL	Indoor NEW		AD105S2SM9FA(H)	AD105S2SM9FA(H)	AD125S2SM9FA(H)	AD125S2SM9FA(H)
	Outdoor		1U105S2SS2FA	1U105S2SS1FB	1U125S2SN2FA	1U125S2SN2FB
Performance data						
Output power - COOLING	nom (min-max)	kW	9,5 (2,5-10,0)	9,5 (2,5-10,0)	12,3 (3,0-13,0)	12,4 (3,0-13,0)
Output power - HEATING	nom (min-max)	kW	10,2 (3,0-10,5)	10,5 (3,0-11)	12,7 (3,5-13,5)	12,8 (3,5-13,5)
Absorbed power - COOLING	nom (min-max)	kW	3,16 (0,5-4,0)	3,27 (0,5-4,0)	4,6 (1,0-6,0)	4,51 (1,0-6,0)
Absorbed power - HEATING	nom (min-max)	kW	2,91 (0,5-4,0)	3,00 (0,5-4,0)	3,93 (1,0-6,0)	3,87 (1,0-6,0)
Energy class	EER	W/W	3,01	2,9	2,67	2,75
	COP	W/W	3,5	3,5	3,23	3,31
COOLING Pdesign	35 °C	kW	9,5	9,5	12,3	12,4
HEATING Pdesign	(-10 °C)	kW	7,2	6	8	8
Energy class	SEER		6,10 (A++)	6,00 (A+)	5,72 (A+)	5,85 (A+)
	SCOP		3,80 (A)	3,91 (A)	3,93 (A)	3,96 (A)
Annual Energy Consumption - COOLING		kWh/a	544	569	735	718
Annual Energy Consumption - HEATING		kWh/a	2792	2094	3032	3003
Indoor Unit						
Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
Treated air volume	H/M/L/Q	m ³ /h	1600/1480/1360/1240	1600/1480/1360/1240	2250/1960/1680/1500	2250/1960/1680/1500
External static pressure		Pa	25/37(default)/50/70/90/100/110/120/130/150			
High sound power		dB	61	61	65	65
Sound pressure		dB(A)	47/44/40/37	47/44/40/37	48/45/42/39	48/45/42/39
Net dimensions	WxDxH	mm	1100x700x248	1100x700x248	1500x700x248	1500x700x248
Packaging dimensions	WxDxH	mm	1316x866x318	1316x866x318	1711x870x325	1711x870x325
Net/gross weight		kg	38,0/42,0	38,0/42,0	48,0/57,0	48,0/57,0
Outdoor Unit						
Power supply		Ph/V/Hz	1/220-240/50/60	3/380-415/50/60	1/220-240/50/60	3/380-415/50/60
Power cable		N x mm ²	3 x 4,0	5 x 4,0	3 x 6,0	5 x 4,0
Interconnection cable		N x mm ²	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5
Sound power	H	dB	66	68	72	72
Sound pressure	H	dB(A)	53	54	58	58
Running current cooling/heating	Max	A	16,5	6,8	26,0	10,0
Starting current cooling/heating	Max	A	3,0	1,0	4,0	2,0
Net dimensions	WxDxH	mm	920x372x765	920x372x765	950x370x965	950x370x965
Packaging dimensions	WxDxH	mm	1036x478x820	1085x485x830	1050x485x1130	1050x485x1130
Net/gross weight		kg	60,0/65,0	61,0/66,0	84,0/89,0	85,0/90,0
Compressor type			Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter
Installation data						
Refrigerant			R32	R32	R32	R32
Liquid pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)
Gas pipe	Ø	mm (inch)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)
Standard pipe length without refrigerant charge		m	30	30	30	30
Maximum pipe length		m	50	50	50	50
Maximum IU - OU elevation		m	30	30	30	30
Refrigerant charge in the factory		kg	1,70	1,70	2,30	2,30
Refrigerant charge in the factory		TCO2eq	1,15	1,15	1,55	1,55
Additional ref. charge over std length		g/m	45	45	45	45
Operating limits - COOLING (in/out)	min-max	°C	-20-46	-20-46	-20-46	-20-46
Operating limits - HEATING (in/out)	min-max	°C	-20-24	-20-24	-20-24	-20-24

	AD140S2SM9FA(H)	AD140S2SM9FA(H)	AD140S2SM9FA(H)	AD140S2SM9FA(H)	AD160S2SM9FA(H)
	1U140S2SN1FA	1U140S2SN1FB	1U140S2SP2FA	1U140S2SP2FB	1U160S2SP1FB
	13,4 (3,5-14,0)	13,4 (3,5-14,0)	13,4 (4,0-15,0)	13,4 (4,0-15,0)	16,0 (4,5-16,5)
	15,0 (4,0-15,5)	15,0 (4,0-15,5)	15,0 (4,5-16,0)	15,0 (4,5-16,0)	17,0 (5,0-18,0)
	5,28 (1,0-6,5)	5,18 (1,0-6,5)	4,14 (1,0-6,0)	4,15 (1,0-6,0)	5,48 (1,0-6,5)
	4,92 (1,0-6,5)	4,79 (1,0-6,5)	4,03 (1,0-6,0)	4,02 (1,0-6,0)	4,82 (1,0-6,5)
	2,54	2,59	3,24	3,23	2,92
	3,05	3,13	3,72	3,73	3,53
	13,4	13,4	13,4	13,4	16
	8,5	8,5	11	11	11
	5,62 (A+)	5,64 (A+)	6,16 (A++)	6,19 (A++)	5,94 (A+)
	3,93 (A)	3,96 (A)	4,06 (A+)	4,06 (A+)	4,06 (A+)
	835	832	761	758	943
	3032	3003	3796	3798	3798
	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	2500/2160/1780/1500	2500/2160/1780/1500	2500/2160/1780/1500	2500/2160/1780/1500	2500/2160/1780/1500
	25/37(default)/50/70/90/100/110/120/130/150				
	66	66	66	66	67
	48/45/42/39	48/45/42/39	48/45/42/39	48/45/42/39	48/45/42/39
	1500x700x248	1500x700x248	1500x700x248	1500x700x248	1500x700x248
	1711x870x325	1711x870x325	1711x870x325	1711x870x325	1711x870x325
	48,0/57,0	48,0/57,0	48,0/57,0	48,0/57,0	48,0/57,0
	1/220-240/50/60	3/380-415/50/60	1/220-240/50/60	3/380-415/50/60	3/380-415/50/60
	3 x 6,0	5 x 4,0	3 x 6,0	5 x 4,0	5 x 4,0
	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5
	72	72	70	70	72
	58	58	53	53	58
	30,0	10,0	32,0	10,0	10,0
	5,0	2,0	6,0	2,0	2,0
	950x370x965	950x370x965	950x370x1350	950x370x1350	950x370x1350
	1050x485x1130	1050x485x1130	1050x485x1500	1050x485x1500	1050x485x1500
	84,0/89,0	85,0/90,0	105,0/118,0	101,0/116,0	101,0/116,0
	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter
	R32	R32	R32	R32	R32
	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)
	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	19,05 (3/4)
	30	30	30	30	30
	70	70	70	70	70
	30	30	30	30	30
	2,30	2,30	2,90	3,50	3,50
	1,55	1,55	1,96	2,36	2,36
	45	45	45	45	60
	-20-46	-20-46	-20-46	-20-46	-20-46
	-20-24	-20-24	-20-24	-20-24	-20-24

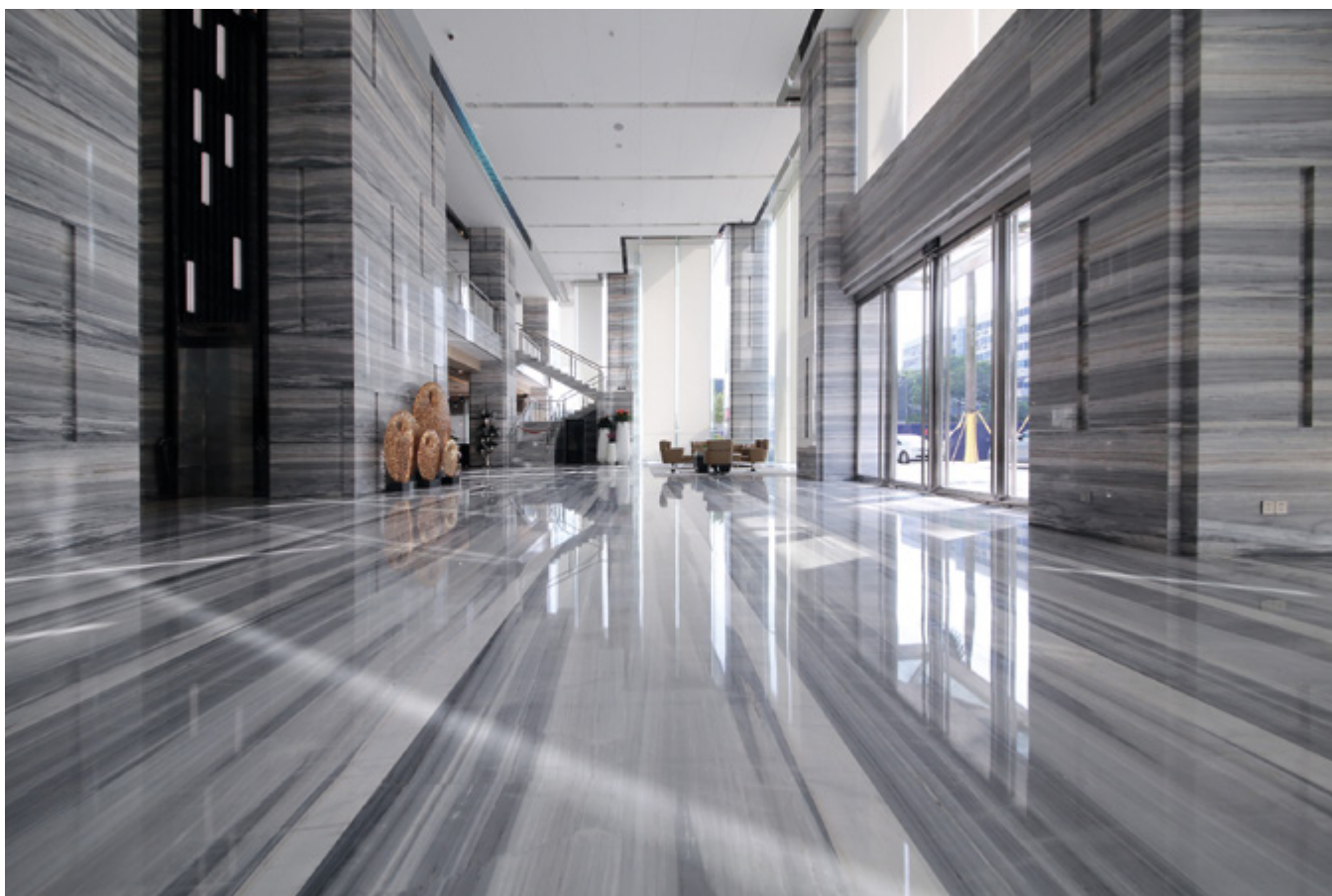
DUCTED MEDIUM PRESSURE



MODEL	Indoor NEW		AD71S2SM9FA(H)	AD105S2SM9FA(H)
	Outdoor NEW		1U71S2SR3FA	1U105S2SQ1FA
Performance data				
Output power - COOLING	nom (min-max)	kW	7,1 (2,0-8,2)	9,5 (2,5-10,0)
Output power - HEATING	nom (min-max)	kW	7,6 (2,5-8,5)	10,5 (3,0-12,5)
Absorbed power - COOLING	nom (min-max)	kW	2,10 (0,5-3,0)	2,79 (0,5-4,0)
Absorbed power - HEATING	nom (min-max)	kW	2,00 (0,5-2,6)	2,80 (0,5-4,0)
Energy class	EER	W/W	3,28	3,40
	COP	W/W	3,80	3,75
COOLING Pdesign	35 °C	kW	7,10	9,50
HEATING Pdesign	(-10 °C)	kW	5,00	7,20
Energy class	SEER		6,21 (A++)	6,20 (A++)
	SCOP		4,20 (A+)	4,05 (A+)
Annual Energy Consumption - COOLING		kWh/a	390	544
Annual Energy Consumption - HEATING		kWh/a	1800	2792
Indoor Unit				
Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60
Treated air volume	H/M/L/Q	m ³ /h	1440/1260/1100/900	1600/1480/1360/1240
External static pressure		Pa	25(default)/37/50/70/ 90/100/110/120/130/150	25/37(default)/50/70/ 90/100/110/120/130/150
High sound power		dB	58	61
Sound pressure		dB(A)	44/41/39/36	47/44/40/37
Net dimensions	WxDxH	mm	1100x700x248	1100x700x248
Packaging dimensions	WxDxH	mm	1316x866x318	1316x866x318
Net/gross weight		kg	31,0/35,0	38,0/42,0
Outdoor Unit				
Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60
Power cable		N x mm ²	3 x 4,0	3 x 4,0
Interconnection cable		N x mm ²	4 x 2,5	4 x 2,5
Sound power	H	dB	68	68
Sound pressure	H	dB(A)	54	54
Running current cooling/heating	Max	A	13,1	16,5
Starting current cooling/heating	Max	A	2,0	3,0
Net dimensions	WxDxH	mm	890x340x700	950x370x815
Packaging dimensions	WxDxH	mm	985x430x720	1085x465x850
Net/gross weight		kg	37,0/42,0	56,0/60,0
Compressor type			Twin rotary inverter	Twin rotary inverter
Installation data				
Refrigerant			R32	R32
Liquid pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)
Gas pipe	Ø	mm (inch)	15,88 (5/8)	15,88 (5/8)
Standard pipe length without refrigerant charge		m	10	30
Maximum pipe length		m	50	50
Maximum IU - OU elevation		m	30	30
Refrigerant charge in the factory		kg	1,30	1,70
Refrigerant charge in the factory		TCO ₂ eq	0,87	1,14
Additional ref. charge over std length		g/m	45	45
Operating limits - COOLING (in/out)	min-max	°C	-20-46	-20-46
Operating limits - HEATING (in/out)	min-max	°C	-20-24	-20-24

	AD125S2SM9FA(H)	AD125S2SM9FA(H)	AD140S2SM9FA(H)	AD140S2SM9FA(H)
	1U125S2SN3FA	1U125S2SN3FB	1U140S2SN2FA	1U140S2SN2FB
	12,4 (3,0-13,0)	12,4 (3,0-13,0)	13,4 (4,0-15,0)	13,4 (4,0-15,0)
	13,6 (4,0-15,5)	13,6 (4,0-15,5)	15,0 (4,0-16,0)	15,0 (4,0-16,0)
	4,13 (1,0-6,0)	4,13 (1,0-6,0)	5,00 (1,0-6,0)	5,00 (1,0-6,0)
	3,66 (1,0-6,0)	3,66 (1,0-6,0)	4,10 (1,0-6,0)	4,10 (1,0-6,0)
	3,00	3,00	2,55	2,55
	3,72	3,72	3,30	3,30
	12,40	12,40	13,40	13,40
	8,30	8,30	8,50	8,50
	6,15 (A++)	6,15 (A++)	6,10 (A++)	6,10 (A++)
	4,05 (A+)	4,05 (A+)	4,00 (A+)	4,00 (A+)
	710	710	820	820
	2980	2980	3020	3020
	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	2250/1960/1680/1500	2250/1960/1680/1500	2500/2160/1780/1500	2500/2160/1780/1500
	25/37(default)/50/70/90/100/110/120/130/150	25/37(default)/50/70/90/100/110/120/130/150	25/37(default)/50/70/90/100/110/120/130/150	25/37(default)/50/70/90/100/110/120/130/150
	65	65	66	66
	48/45/42/39	48/45/42/39	48/45/42/39	48/45/42/39
	1500x700x248	1500x700x248	1500x700x248	1500x700x248
	1711x870x325	1711x870x325	1711x870x325	1711x870x325
	48,0/57,0	48,0/57,0	48,0/57,0	48,0/57,0
	1 /220-240/ 50/60	3 /380-415/50/60	1 /220-240/50/60	3 /380-415/50/60
	3 x 6,0	3 x 6,0	3 x 6,0	3 x 6,0
	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5
	72	72	74	74
	58	58	58	58
	26,0	26,0	30,0	30,0
	4,0	4,0	5,0	5,0
	950x370x965	950x370x965	950x370x965	950x370x965
	1050x485x1130	1050x485x1130	1050x485x1130	1050x485x1130
	63,0/73,0	63,0/73,0	68,0/78,0	68,0/78,0
	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter
	R32	R32	R32	R32
	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)
	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)
	30	30	30	30
	50	50	70	70
	30	30	30	30
	2,30	2,30	2,50	2,50
	1,55	1,55	1,68	1,68
	45	45	45	45
	-20-46	-20-46	-20-46	-20-46
	-20-24	-20-24	-20-24	-20-24

DUCTED HIGH PRESSURE



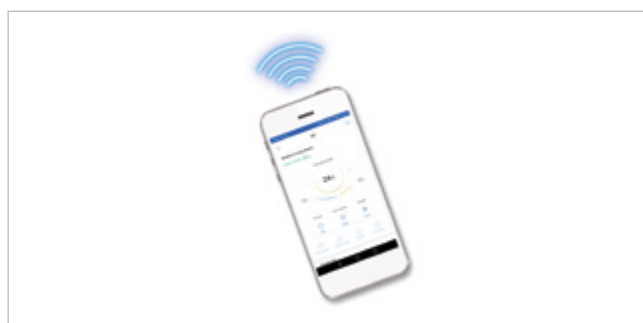
FRESH AIR

Air exchange allows introduction of clean air into the room.



WI-FI (OPTIONAL)

Allows you to set the air conditioner remotely
Wi-Fi connection is possible with HI-WB201DEI module.

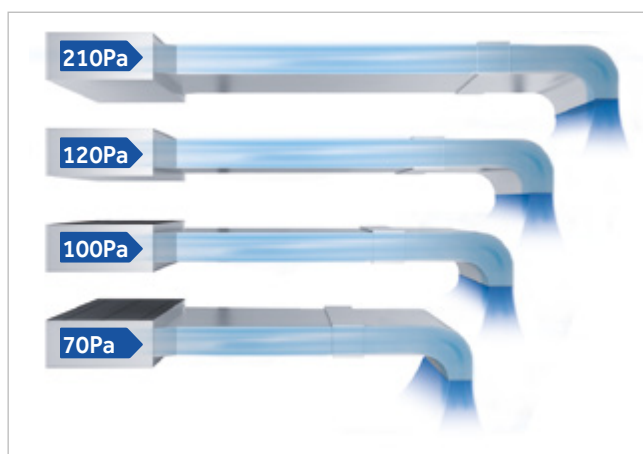


GREATER RANGE

The indoor unit can hold up to 3 fans so that air flow can be supplied evenly across the different ESPs, further increasing comfort.

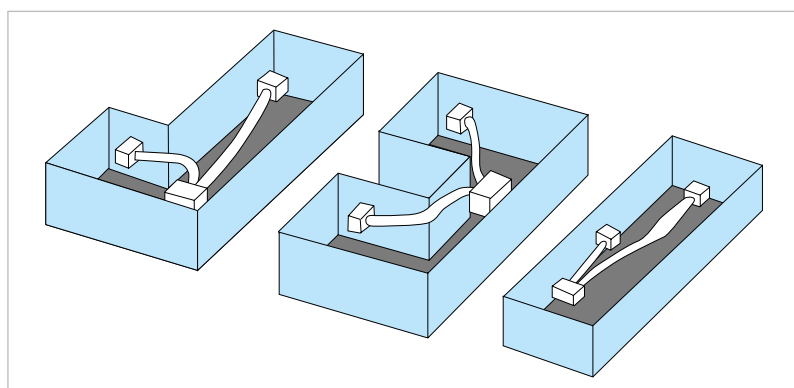
210PA PRESSURE SETTING

The 210Pa ducted unit with 10 configurable steps allows for high design flexibility, thus meeting the duct installation requirements.



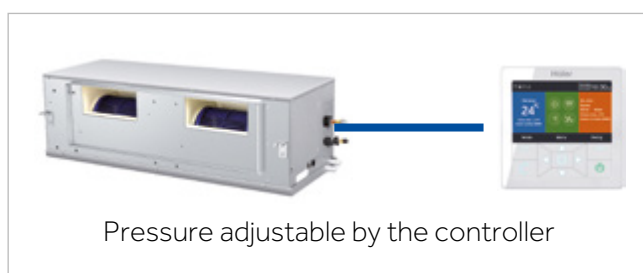
Flexible air distribution

The ducted units satisfy multiple installation solutions (circular or rectangular channels).



EASY INSTALLATION: PRESSURE ADJUSTABLE IN 10 STEPS

The pressure can be adjusted directly from the YR-E16B / HW-SA301AFK remote controller.



DUCTED HIGH PRESSURE



- 12,5 kW
- 14,0 kW
- 16,0 kW
- 20,0 kW
- 25,0 kW



Recommended controls
HW-BA101ABT or HW-SA301AFK

Please see pages 31 & 32
For Controller Options



Integrated
Wi-Fi Control

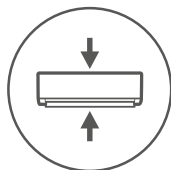


The High-Pressure ducted air conditioner delivers quiet, efficient climate control for commercial and industrial spaces like offices, hotels, and hospitals. Its compact design operates at low sound levels while the Fresh Air system ensures continuous ventilation. The unit features gravity-based condensate drainage for reliable, maintenance-free operation - drain pump not provided.

KEY FEATURES



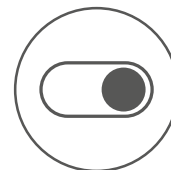
Silence



Compact
Design



Fresh Air



On-Off Card

MODEL	Indoor		ADH125H1ERG	ADH125H1ERG
	Outdoor		1U125S2SN2FA	1U125S2SN2FB
Performance data				
Output power - COOLING	nom (min-max)	kW	12,30 (3,00-13,00)	12,40 (3,00-13,00)
Output power - HEATING	nom (min-max)	kW	12,70 (3,50-13,50)	12,80 (3,50-13,50)
Absorbed power - COOLING	nom (min-max)	kW	4,47 (1,00-6,00)	4,56 (1,00-6,00)
Absorbed power - HEATING	nom (min-max)	kW	3,74 (1,00-6,00)	3,73 (1,00-6,00)
Energy class	EER	W/W	2,75	2,72
	COP	W/W	3,40	3,43
COOLING Pdesign	35 °C	kW	12,30	12,40
HEATING Pdesign	(-10 °C)	kW	8,00	8,00
Energy class	SEER		5,80 (A+)	5,90 (A+)
	SCOP		3,94 (A)	3,97 (A)
Annual Energy Consumption - COOLING		kWh/a	713/745	700
Annual Energy Consumption - HEATING		kWh/a	3022	2998
Indoor Unit				
Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60
Treated air volume	H/M/L/Q	m ³ /h	3250/2750/2250/1750	3250/2750/2250/1750
External static pressure		Pa	37/50(default)/70/90/110 /130/150/170/190/210	37/50(default)/70/90/110 /130/150/170/190/210
High sound power		dB	64	64
Sound pressure		dB(A)	47/44/42/39	47/44/42/39
Net dimensions	WxDxH	mm	1350x490x425	1350x490x425
Packaging dimensions	WxDxH	mm	1565x724x510	1565x724x510
Net/gross weight		kg	61,0/72,0	61,0/72,0
Outdoor Unit				
Power supply		Ph/V/Hz	1/220-240/50/60	3/380-415/50/60
Power cable		N x mm ²	3 x 6,0	5 x 4,0
Interconnection cable		N x mm ²	4 x 2,5	4 x 2,5
Sound power	H	dB	72	72
Sound pressure	H	dB(A)	58	58
Running current cooling/heating	Max	A	26,0	10,0
Starting current cooling/heating	Max	A	4,0	2,0
Net dimensions	WxDxH	mm	950x370x965	950x370x965
Packaging dimensions	WxDxH	mm	1050x485x1130	1050x485x1130
Net/gross weight		kg	84,0/89,0	85,0/90,0
Compressor type			Twin rotary inverter	Twin rotary inverter
Installation data				
Refrigerant			R32	R32
Liquid pipe	∅	mm (inch)	9,52 (3/8)	9,52 (3/8)
Gas pipe	∅	mm (inch)	15,88 (5/8)	15,88 (5/8)
Standard pipe length without refrigerant charge		m	30	30
Maximum pipe length		m	50	50
Maximum IU - OU elevation		m	30	30
Refrigerant charge in the factory		kg	2,30	2,30
Refrigerant charge in the factory		TCO ₂ eq	1,55	1,55
Additional ref. charge over std length		g/m	45	45
Operating limits - COOLING (in/out)	min-max	°C	20-46	
Operating limits - HEATING (in/out)	min-max	°C	20-24	

Additional technical specifications on next page 

DUCTED HIGH PRESSURE



MODEL	Indoor		ADH140H1ERG	ADH140H1ERG	ADH140H1ERG
	Outdoor		1U140S2SN1FA	1U140S2SN1FB	1U140S2SP2FA
Performance data					
Output power - COOLING	nom (min-max)	kW	13,40 (3,50-14,00)	13,40 (3,50-14,00)	13,60 (4,00-15,00)
Output power - HEATING	nom (min-max)	kW	15,00 (4,00-15,50)	15,00 (4,00-15,50)	15,00 (4,50-16,00)
Absorbed power - COOLING	nom (min-max)	kW	4,75 (1,00-6,50)	4,59 (1,00-6,50)	4,24 (1,00-6,00)
Absorbed power - HEATING	nom (min-max)	kW	4,53 (1,00-6,50)	4,37 (1,00-6,50)	4,04 (1,00-6,00)
Energy class	EER	W/W	2,82	2,92	3,21
	COP	W/W	3,31	3,43	3,71
COOLING Pdesign	35 °C	kW	13,40	13,40	13,60
HEATING Pdesign	(-10 °C)	kW	8,50	8,50	10
Energy class	SEER		5,84 (A+)	5,98 (A+)	6,16 (A++)
	SCOP		3,94 (A)	3,97 (A)	4,07 (A+)
Annual Energy Consumption - COOLING		kWh/a	803	785	761
Annual Energy Consumption - HEATING		kWh/a	3022	2998	3786
Indoor Unit					
Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
Treated air volume	H/M/L/Q	m3/h	3600/3100/2600/2100	3600/3100/2600/2100	3600/3100/2600/2100
External static pressure		Pa	37/50(default)/70/90/110/130/150/170/190/210		
High sound power		dB	65	65	65
Sound pressure		dB(A)	49/46/43/40	49/46/43/40	49/46/43/40
Net dimensions	WxDxH	mm	1350x490x425	1350x490x425	1350x490x425
Packaging dimensions	WxDxH	mm	1565x724x510	1565x724x510	1565x724x510
Net/gross weight		kg	61,0/72,0	61,0/72,0	61,0/72,0
Outdoor Unit					
Power supply		Ph/V/Hz	1/220-240/50/60	3/380-415/50/60	1/220-240/50/60
Power cable		N x mm2	3 x 6,0	5 x 4,0	3 x 6,0
Interconnection cable		N x mm2	4 x 2,5	4 x 2,5	4 x 2,5
Sound power	H	dB	72	72	70
Sound pressure	H	dB(A)	58	58	53
Running current cooling/heating	Max	A	30,0	10,0	32,0
Starting current cooling/heating	Max	A	5,0	2,0	6,0
Net dimensions	WxDxH	mm	950x370x965	950x370x965	950x370x1350
Packaging dimensions	WxDxH	mm	1050x485x1130	1050x485x1130	1050x485x1500
Net/gross weight		kg	84,0/89,0	85,0/90,0	105,0/118,0
Compressor type			Twin Rotary Inverter	Twin Rotary Inverter	Twin Rotary Inverter
Installation data					
Refrigerant			R32	R32	R32
Liquid pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)
Gas pipe	Ø	mm (inch)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)
Standard pipe length without refrigerant charge		m	30	30	30
Maximum pipe length		m	70	70	70
Maximum IU - OU elevation		m	30	30	30
Refrigerant charge in the factory		kg	2,30	2,30	2,90
Refrigerant charge in the factory		TCO2eq	1,55	1,55	1,96
Additional ref. charge over std length		g/m	45	45	45
Operating limits - COOLING (in/out)	min-max	°C	-20-46	-20-46	-20-46
Operating limits - HEATING (in/out)	min-max	°C	-20-24	-20-24	-20-24

			R410A	R410A
	ADH140H1ERG	ADH160H1ERG	ADH200H1ERG	ADH250H1ERG
	1U140S2SP2FB	1U160S2SP1FB	1UH200W1ERK	1UH250W1ERK
	13,60 (4,00-15,00)	15,0 (4,5-16,0)	20,5 (6,2 - 23,5)	24,0 (7,2 - 26,5)
	15,00 (4,50-16,00)	16,0 (5,0-17,0)	22,8 (7,2 - 24,8)	26,8 (8,2 - 28,8)
	4,22 (1,00-6,00)	6,0 (1,8-6,4)	6,1 (2,5 - 8,5)	7,47 (3,5 -9,5)
	4,02 (1,00-6,00)	6,4 (1,6-5,48)	6,0 (2,5 - 8,5)	7,18 (3,5 -9,5)
	3,22	2,5	3,36	3,21
	3,73	3,1	3,8	3,73
	13,60	15,0	20	24
	10	11,0	17	21
	6,18 (A++)	5,6 (A+)	6,1 (A++)	6,1 (A++)
	4,10 (A+)	4,0 (A+)	4 (A+)	4 (A+)
	759	880	/	/
	3754	3859	/	/
	1/220-240/50/60	1/220-240/50/60	1/220-230/50/60	1/220-230/50/60
	3600/3100/2600/2100	4000/3400/2800/2200	4320/3780/3420/3060	5040/4500/3960/3600
	37/50(default)/70/90/110/130/150/170/190/210		62/90/110/130/150/170/190/210/230/250	
	65	67	68	69
	49/46/43/40	50/47/45/42	45/50/54	47/51/55
	1350x490x425	1350x490x425	1330x895x500	1330x895x500
	1565x724x510	1565x724x510	1510x1037x568	1510x1037x568
	61,0/72,0	61/72	96	96
	3/380-415/50/60	3/380-415/50/60	3/380-400/50/60	3/380-400/50/60
	5 x 4,0	5 x 4,0	5 x 4,0	5 x 4,0
	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5
	70	74	75	75
	53	58	58	58
	10,0	10,0	15,3/15,3	15,3/15,3
	2,0	2,0	3,0/ 3,0	3,0/ 3,0
	950x370x1350	950x370x1350	1636x1050x400	1636x1050x400
	1050x485x1500	1050x485x1500	1050x485x1130	1050x485x1130
	101,0/116,0	101/116	160	160
	Twin Rotary Inverter	Twin Rotary Inverter	Twin Rotary	Twin Rotary
	R32	R32	R410A	R410A
	9,52 (3/8)	9,52 (3/8)	12,70 (1/2)	12,70 (1/2)
	15,88 (5/8)	19,05 (3/4)	19,05 (3/4)	22,22 (7/8)*
	30	30	30	30
	70	70	75	75
	30	30	30	30
	3,50	3,5	6,10	6,10
	2,36	2,36	13,25	13,25
	45	60	80	80
	-20-46	-20-46	-10-46	-10-46
	-20-24	-20-24	-15-24	-15-24

DUCTED HIGH PRESSURE



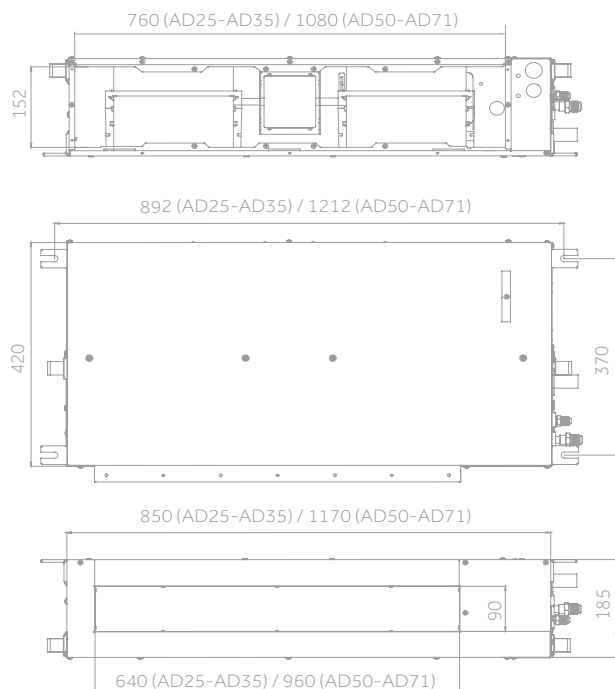
MODEL	Indoor		ADH125H1ERG	ADH125H1ERG
	Outdoor NEW		1U125S2SN3FA	1U125S2SN3FB
Performance data				
Output power - COOLING	nom (min-max)	kW	12,30 (3,00-13,00)	12,40 (3,00-13,00)
Output power - HEATING	nom (min-max)	kW	12,70 (3,50-13,50)	12,80 (3,50-13,50)
Absorbed power - COOLING	nom (min-max)	kW	4,47 (1,00-6,00)	4,56 (1,00-6,00)
Absorbed power - HEATING	nom (min-max)	kW	3,74 (1,00-6,00)	3,73 (1,00-6,00)
Energy class	EER	W/W	2,75	2,72
	COP	W/W	3,40	3,43
COOLING Pdesign	35 °C	kW	12,30	12,40
HEATING Pdesign	(-10 °C)	kW	8,00	8,00
Energy class	SEER		5,80 (A+)	5,90 (A+)
	SCOP		4,00 (A+)	4,00 (A+)
Annual Energy Consumption - COOLING		kWh/a	713/745	700/745
Annual Energy Consumption - HEATING		kWh/a	3022	2998
Indoor Unit				
Power supply		Ph/V/Hz	1/220-240/50/60	3/380-415/50/60
Treated air volume	H/M/L/Q	m3/h	3250/2750/2250/1750	3250/2750/2250/1750
External static pressure		Pa	37/50(default)/70/90/110/130/150/170/190/210	
High sound power		dB	64	64
Sound pressure		dB(A)	47/44/42/39	47/44/42/39
Net dimensions	WxDxH	mm	1350x490x425	1350x490x425
Packaging dimensions	WxDxH	mm	1565x724x510	1565x724x510
Net/gross weight		kg	61,0/72,0	61,0/72,0
Outdoor Unit				
Power supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60
Power cable		N x mm2	3 x 6,0	3 x 6,0
Interconnection cable		N x mm2	4 x 2,5	4 x 2,5
Sound power	H	dB	72	72
Sound pressure	H	dB(A)	58	58
Running current cooling/heating	Max	A	26,0	26,0
Starting current cooling/heating	Max	A	4,0	4,0
Net dimensions	WxDxH	mm	950x370x965	950x370x965
Packaging dimensions	WxDxH	mm	1050x485x1130	1050x485x1130
Net/gross weight		kg	63,0/73,0	63,0/73,0
Compressor type			Twin rotary inverter	Twin rotary inverter
Installation data				
Refrigerant			R32	R32
Liquid pipe	Ø	mm (inch)	9,52 (3/8)	9,52 (3/8)
Gas pipe	Ø	mm (inch)	15,88 (5/8)	15,88 (5/8)
Standard pipe length without refrigerant charge		m	30	30
Maximum pipe length		m	50	50
Maximum IU - OU elevation		m	30	30
Refrigerant charge in the factory		kg	2,30	2,30
Refrigerant charge in the factory		TCO2eq	1,55	1,55
Additional ref. charge over std length		g/m	45	45
Operating limits - COOLING (in/out)	min-max	°C	-20-46	-20-46
Operating limits - HEATING (in/out)	min-max	°C	-20-24	-20-24

	ADH140H1ERG 1U140S2SN2FA	ADH140H1ERG 1U140S2SN2FB
	13,40 (3,50-14,00)	13,40 (3,50-14,00)
	15,00 (4,00-15,50)	15,00 (4,00-15,50)
	4,75 (1,00-6,50)	4,75 (1,00-6,50)
	4,53 (1,00-6,50)	4,53 (1,00-6,50)
	2,82	2,82
	3,31	3,31
	13,40	13,40
	8,50	8,50
	5,84 (A+)	5,84 (A+)
	4,00 (A+)	4,00 (A+)
	803	803
	3022	3022
	1/220-240/50/60 3600/3100/2600/2100	3/380-415/50/60 3600/3100/2600/2100
	37/50(default)/70/90/110/130/150/170/190/210	
	65	65
	49/46/43/40	49/46/43/40
	1350x490x425	1350x490x425
	1565x724x510	1565x724x510
	61,0/72,0	61,0/72,0
	1 /220-240/ 50/60	1 /220-240/ 50/60
	3 x 6,0	3 x 6,0
	4 x 2,5	4 x 2,5
	72	72
	58	58
	30,0	30,0
	5,0	5,0
	950x370x965	950x370x965
	1050x485x1130	1050x485x1130
	68,0/78,0	68,0/78,0
	Twin Rotary Inverter	Twin Rotary Inverter
	R32	R32
	9,52 (3/8)	9,52 (3/8)
	15,88 (5/8)	15,88 (5/8)
	30	30
	70	70
	30	30
	2,50	2,50
	1,68	1,68
	45	45
	-20~46	-20~46
	-20~24	-20~24

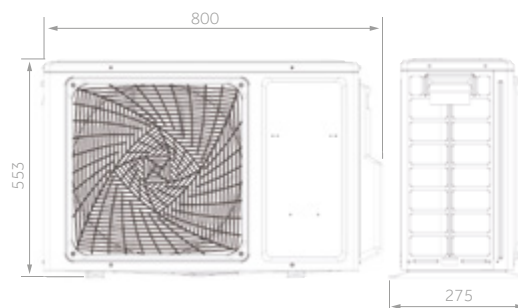
DUCTED UNITS TECHNICAL ILLUSTRATIONS

DUCTED SLIM LOW PRESSURE

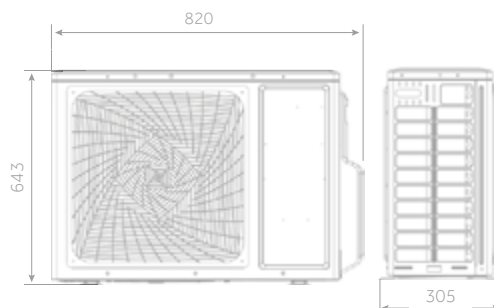
AD25 / AD35 / AD50 / AD71



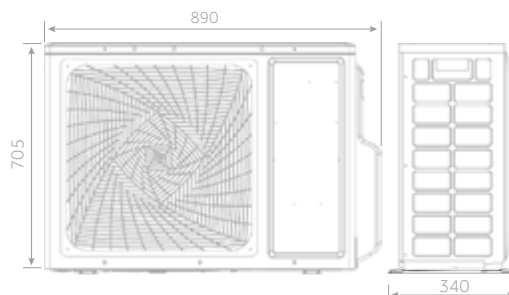
1U25 / 1U35



1U50

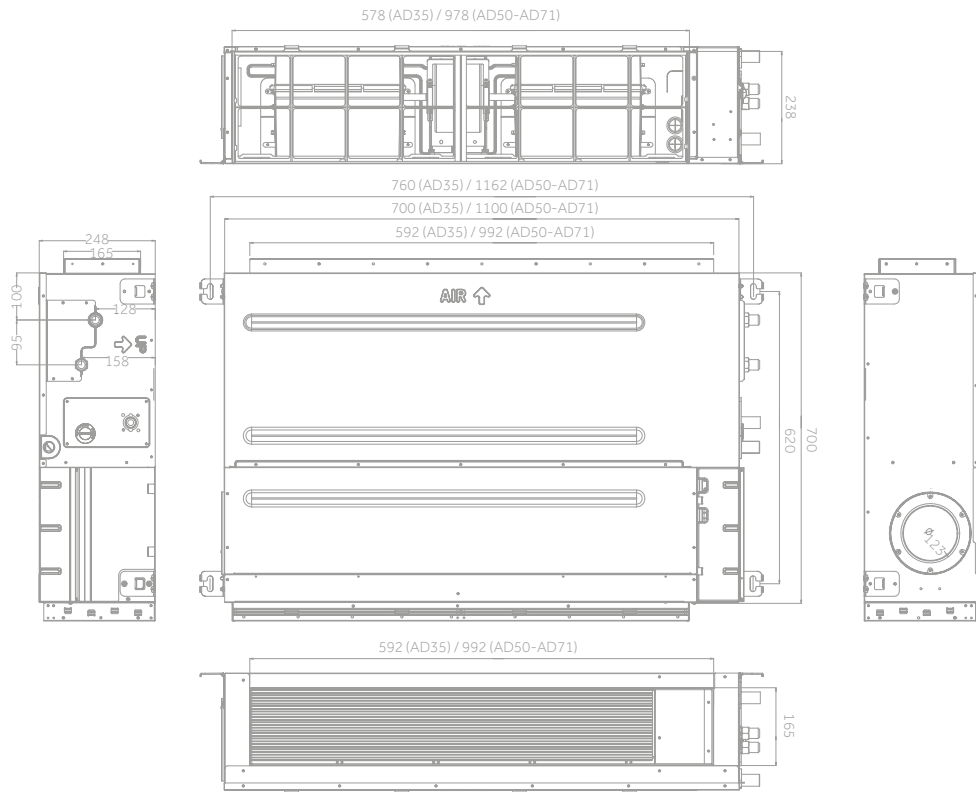


1U71



DUCTED MEDIUM PRESSURE

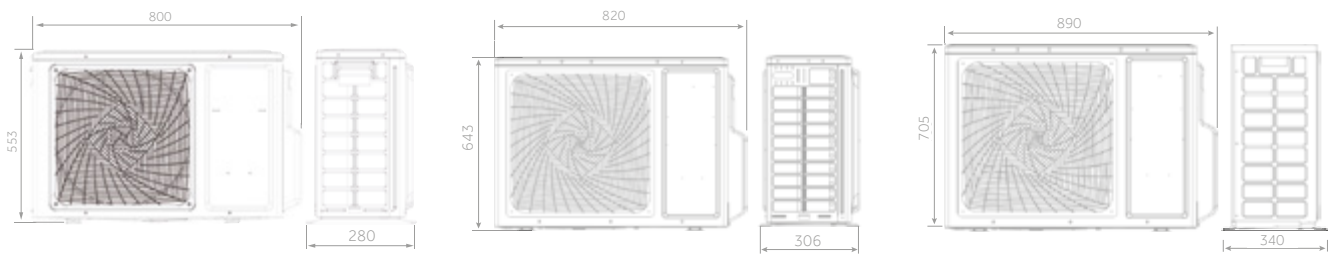
AD35 / AD50 / AD71



1U35

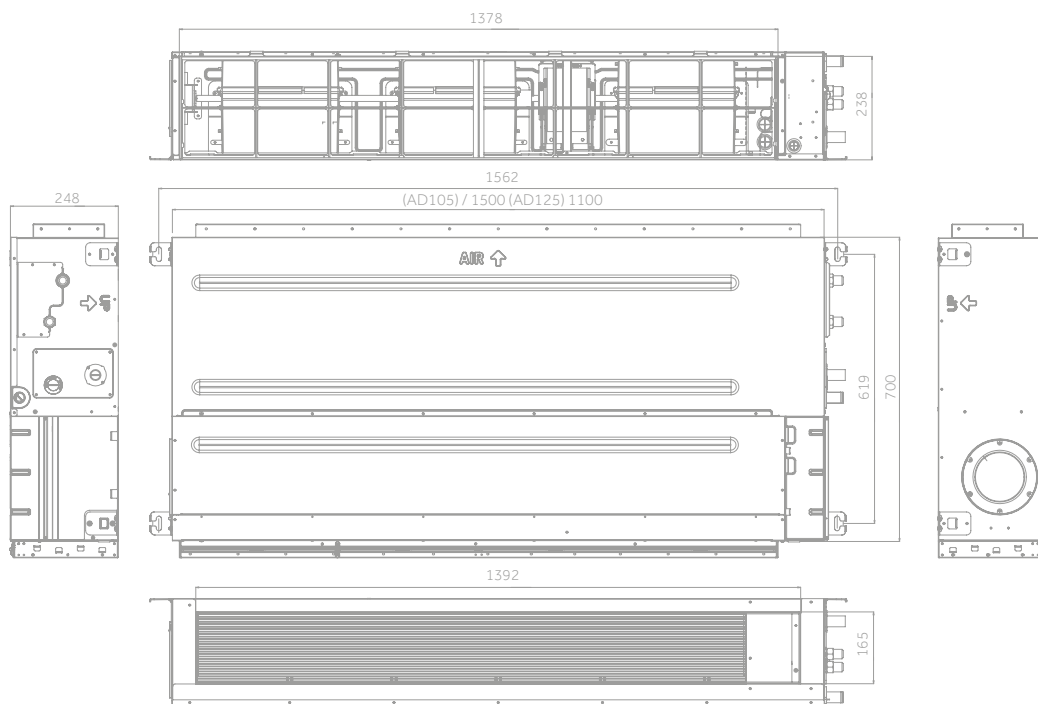
1U50

1U71

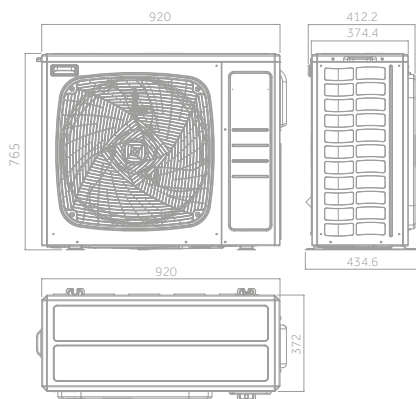


DUCTED MEDIUM PRESSURE

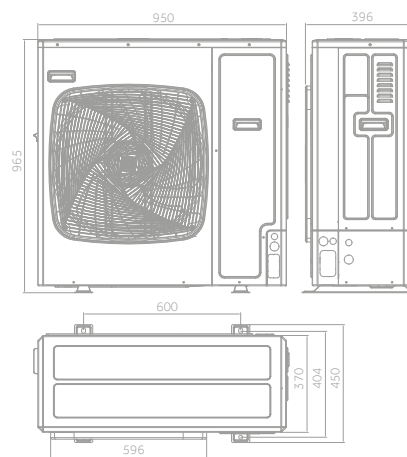
AD105 / AD125



1U105



1U125

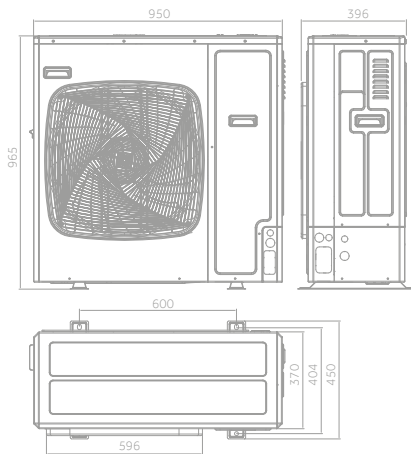


DUCTED MEDIUM PRESSURE

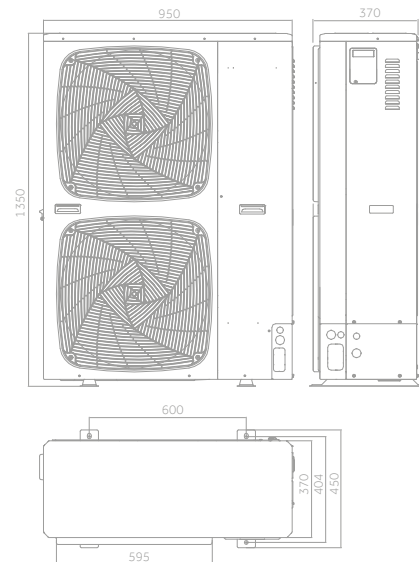
AD140 / AD160



1U140

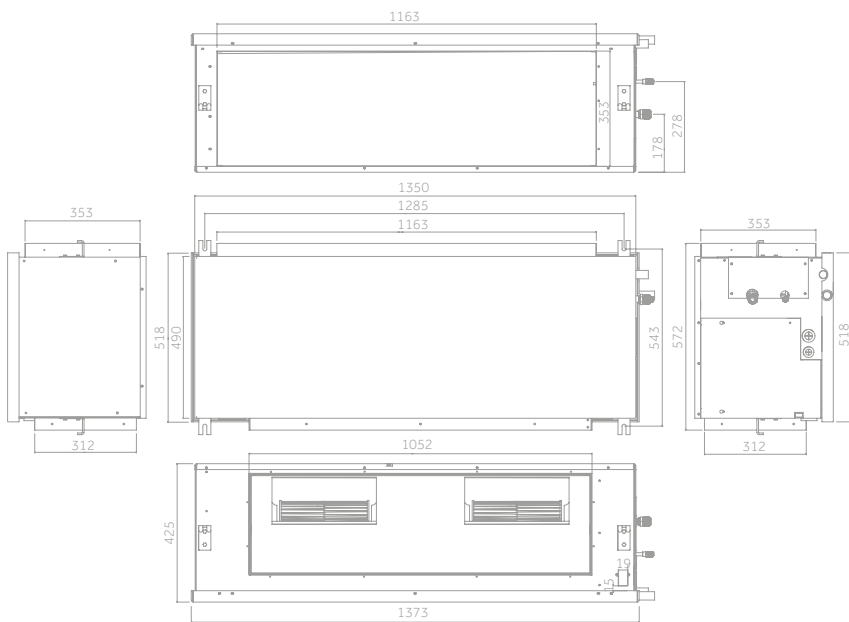


1U140 / 1U160

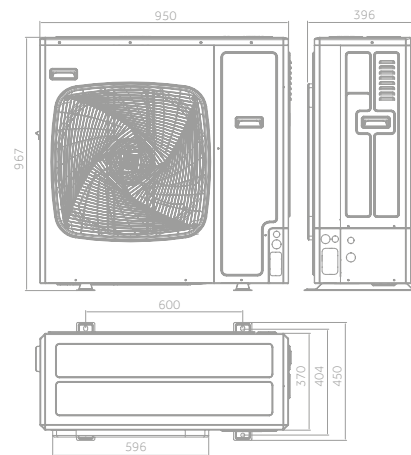


DUCTED HIGH PRESSURE

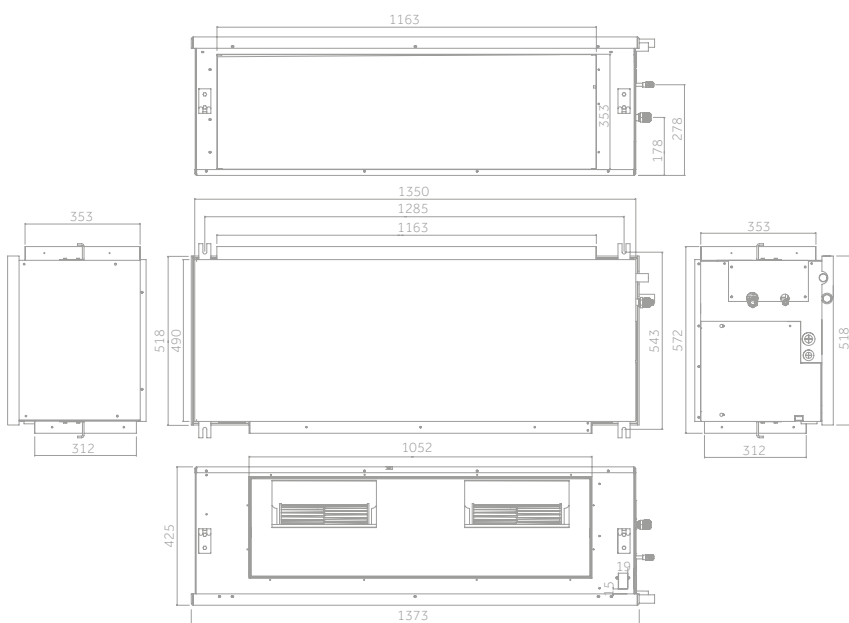
ADH125



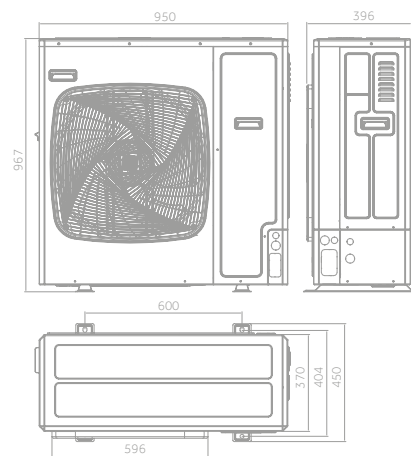
1U125



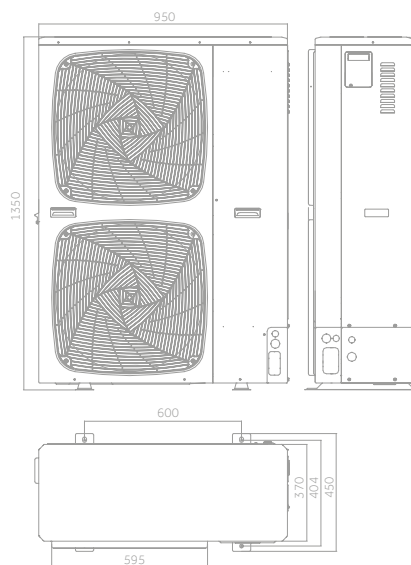
ADH140 / ADH160



1U140



1U140 - 1U160

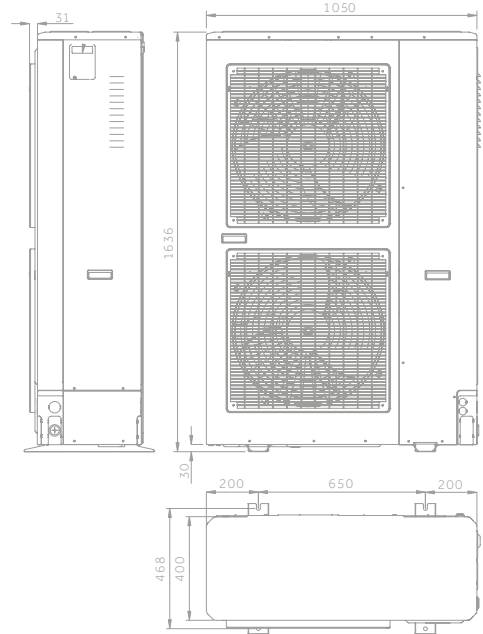
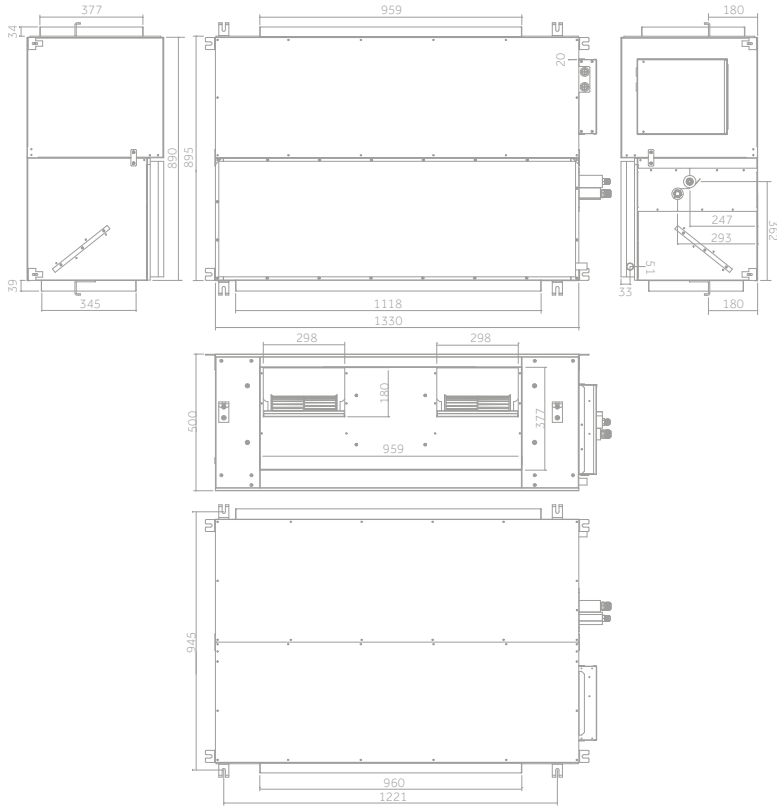


The data in this catalogue is purely indicative as the data may vary. Please be advised to check the accuracy of the data with the supplier before purchasing products.








DUCTED HIGH PRESSURE

ADH200 / ADH250

1UH200 / 1UH250



CONTROL SYSTEMS

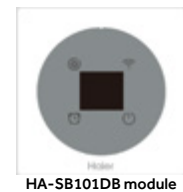
CATEGORY	REMOTE CONTROLLERS						
<ul style="list-style-type: none"> ● Standard ○ Optional ■ Panel 	 YR-HE	 YR-HE2	 HJ1-W	 HJ1-B	 YR-HQS01	 YR-HQ	 HQ-HJ
PEARL R290	●						
EXPERT		○		○			●
SERENE NEW				●			●
FLEXIS PLUS				○			●
PEARL PREMIUM		●					
REVIVE PLUS		●					
EXPERT NORDIC							●
PEARL NORDIC		●					
CONSOLE					●		
1-WAY CASSETTE					○		
CASSETTE 620					○		
CASSETTE ROUND FLOW					○		
CEILING FLOOR					○		
SLIM DUCT LOW PRESSURE					■		
DUCTED MEDIUM PRESSURE					○ HA-SB101DB module		
DUCTED HIGH PRESSURE					○ HA-SB101DB module		
ALL COMFORT TOWER / TOWER						●	
CABINET					○		

■ *WITHOUT PANEL requires HA-SB101DB module






THE PANEL KIT (OPTIONAL) INCLUDES:



Air supply grill equipped with vertical and horizontal fins motorised 3D effect - receiver - display

Air intake grill equipped with filter



IU	PANEL (OPTIONAL)	FEATURES
AD25 - AD35	P1B-890IA/D	With display including receiver
AD50 - AD71	P1B-1210IA/D	With display including receiver

WIRED CONTROLLERS					CABLE CONNECTOR
Compatible Indoor Units					
	HW-BA101ABT	NEW HW-BA316AF	NEW HW-SA301AFK	YR-E16B	0010452854 Connector cable for group connections
PEARL R290	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
EXPERT	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
SERENE NEW	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
FLEXIS PLUS	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
PEARL PREMIUM	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
REVIVE PLUS	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
EXPERT NORDIC	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
PEARL NORDIC	● (+ WK-B interface)	● (+ WK-B interface)		● (+ WK-B interface)	●
CONSOLE	●	●	●	●	●
1-WAY CASSETTE	●	●	●	●	●
CASSETTE 620	●	●	●	●	●
CASSETTE ROUND FLOW			●	●	●
CEILING FLOOR	●	●	●	●	●
SLIM DUCT LOW PRESSURE	●	●	●	●	●
DUCTED MEDIUM PRESSURE	●	●	●	●	●
DUCTED HIGH PRESSURE	●	●	●	●	●
ALL COMFORT TOWER / TOWER					

CENTRAL CONTROLLERS		
● Standard ○ Optional		
	HC-SA164DBT	HIW164DBI Wi-Fi Accessory
MULTI 1:2	● requires YCJ-A002 for each IU	● requires YCJ-A002 for each IU
MULTI 1:3	● requires 2503320A2	● requires 2503320A2
MULTI 1:4	● requires 2503320A2	● requires 2503320A2
MULTI 1:5	● requires 2503320A2	● requires 2503320A2
MONO R32	● requires YCJ-A002 for each IU	● requires YCJ-A002 for each IU
MONO R410A	● requires YCJ-A002 for each IU	● requires YCJ-A002 for each IU
MAXISPLIT	●	●



WK-B YCJ-A002

Interfaces required for connection to wired or centralised control (see table above).



2503320A2 Unit