

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

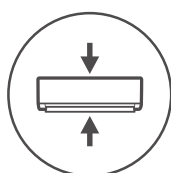


The High-Pressure ducted air conditioner delivers quiet, efficient climate control for commercial and industrial spaces like offices, hotels, and hospitals. Its compact design operates at low sound levels while the Fresh Air system ensures continuous ventilation. The unit features gravity-based condensate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

KEY FEATURES



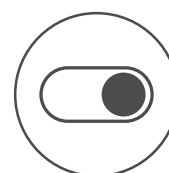
Silence



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	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	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 mm2	3 x 6,0	5 x 4,0
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	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	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	
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	ADH140H1ERG
	1U140S2SN2FA	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	3/380-415/50/60
	3600/3100/2600/2100	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