

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

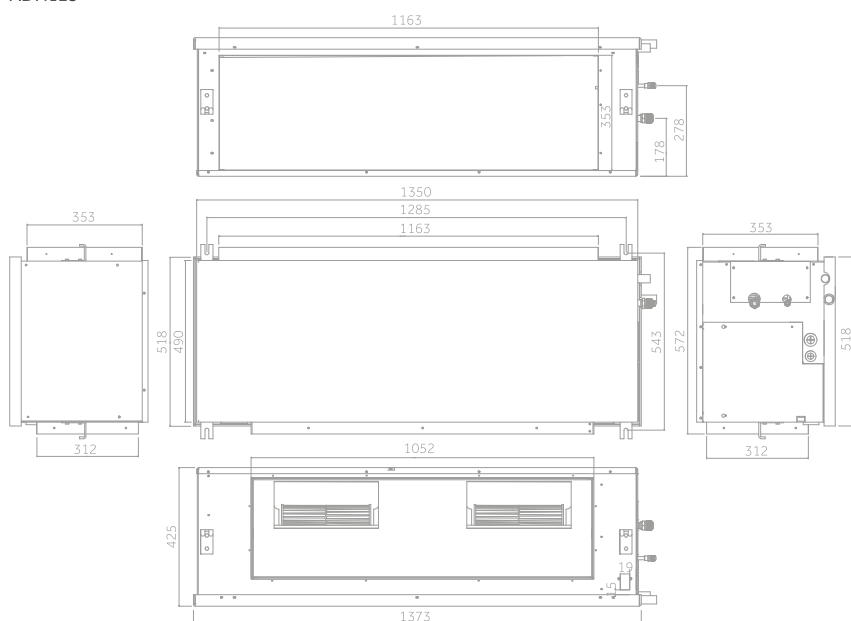


MODEL	Indoor		ADH125H1ERG	ADH125H1ERG	
	Outdoor NEW		1U125S2SN3FA	1U125S2SN3FB	
Performance data					
Output power - COOLING	nom (min-max)	kW	12,30 (3,00-13,00)	12,40 (3,00-13,00)	
Output power - HEATING	nom (min-max)	kW	12,70 (3,50-13,50)	12,80 (3,50-13,50)	
Absorbed power – COOLING	nom (min-max)	kW	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	

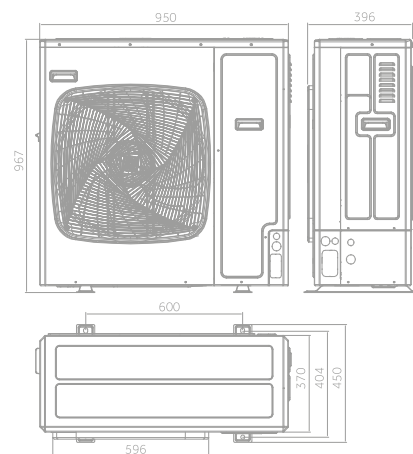
	ADH140H1ERG	ADH140H1ERG
	1U140S2SN2FA	1U140S2SN2FB
	13,40 (3,50-14,00)	13,40 (3,50-14,00)
	15,00 (4,00-15,50)	15,00 (4,00-15,50)
	4,75 (1,00-6,50)	4,75 (1,00-6,50)
	4,53 (1,00-6,50)	4,53 (1,00-6,50)
	2,82	2,82
	3,31	3,31
	13,40	13,40
	8,50	8,50
	5,84 (A+)	5,84 (A+)
	4,00 (A+)	4,00 (A+)
	803	803
	3022	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

DUCTED HIGH PRESSURE

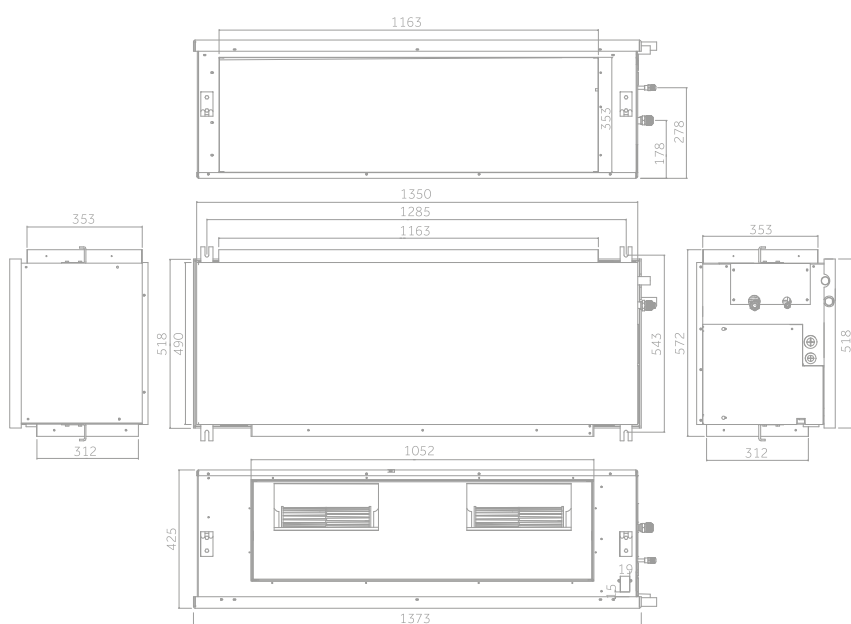
ADH125



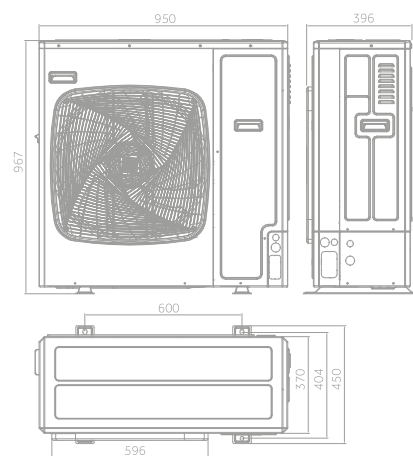
1U125



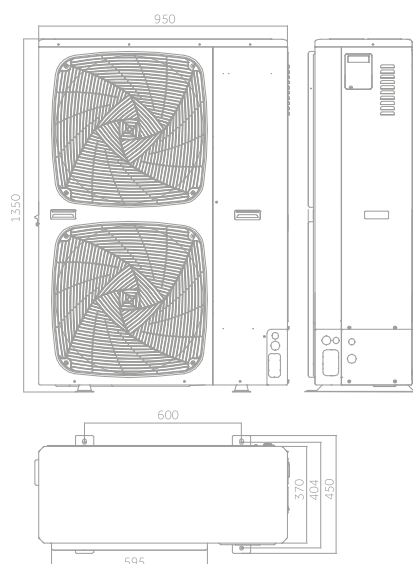
ADH140 / ADH160



1U140



1U140 - 1U160



DUCTED HIGH PRESSURE

ADH200 / ADH250

1UH200 / 1UH250

