

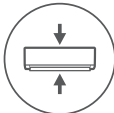
# DUCTED HIGH PRESSURE



A+ / A



Silence

Compact  
Design

Fresh Air



On-Off Card



- Low noise level
- Compact design
- 'Fresh air' knockout is incorporated in the chassis to allow fresh air introduction of up to 20% of nominal unit air flow without compromising the cooling capacity. More than 20% of the air conditioner's thermal cooling capacity is penalise
- Condensate drain by gravity - drain pump not provided

Indoor Unit	Model		ADH125H1ERG	ADH125H1ERG
Outdoor Unit	Model		1U125S2SN2FA	1U125S2SN2FB
<b>Performance data</b>				
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
<b>Indoor Unit</b>				
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
<b>Outdoor Unit</b>				
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
<b>Installation data</b>				
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		TCO2eq	1,55	1,55
Additional ref. charge over std length		g/m	45	45
Outdoor operating limits - COOLING	min-max	°C		-20-46
Outdoor operating limits - HEATING	min-max	°C		-20-24

# DUCTED HIGH PRESSURE

Haier

13,6 kW

16,0 kW

Please see pages 40 & 41  
For Controller Options

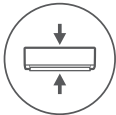
MONOSPLIT



A+ / A



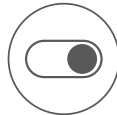
Silence



Compact Design



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INDOOR UNIT	Model		ADH140H1ERG	ADH140H1ERG	ADH140H1ERG	ADH140H1ERG	ADH160H1ERG*
OUTDOOR UNIT	Model		1U140S2SN1FA	1U140S2SN1FB	1U140S2SP2FA	1U140S2SP2FB	1U160S2SP1FB*
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)	13,60 (4,00-15,00)	15,0 (4,5-16,0)
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)	15,00 (4,50-16,00)	16,0 (5,0-17,0)
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)	4,22 (1,00-6,00)	6,0 (1,8-6,4)
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)	4,02 (1,00-6,00)	6,4 (1,6-5,48)
Energy class	EER	W/W	2,82	2,92	3,21	3,22	2,5
	COP	W/W	3,31	3,43	3,71	3,73	3,1
COOLING Pdesign	35 °C	kW	13,40	13,40	13,60	13,60	15,0
HEATING Pdesign	(-10 °C)	kW	8,50	8,50	10	10	11,0
Energy class	SEER		5,84 (A+)	5,98 (A+)	6,16 (A++)	6,18 (A++)	5,6 (A+)
	SCOP		3,94 (A)	3,97 (A)	4,07 (A+)	4,10 (A+)	4,0 (A+)
Annual Energy Consumption - COOLING		kWh/a	803	785	761	759	880
Annual Energy Consumption - HEATING		kWh/a	3022	2998	3786	3754	3859
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)	m3/h	3600/3100/2600/2100	3600/3100/2600/2100	3600/3100/2600/2100	3600/3100/2600/2100	4000/3400/2800/2200
External static pressure		Pa	37/50(default)/70/90/110/130/150/170/190/210				
High sound power		dB	65	65	65	65	67
Sound pressure		dB(A)	49/46/43/40	49/46/43/40	49/46/43/40	49/46/43/40	50/47/45/42
Net dimensions	WxDxH	mm	1350x490x425	1350x490x425	1350x490x425	1350x490x425	1350x490x425
Packaging dimensions	WxDxH	mm	1565x724x510	1565x724x510	1565x724x510	1565x724x510	1565x724x510
Net/gross weight		kg	61,0/72,0	61,0/72,0	61,0/72,0	61,0/72,0	61/72
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	3/380-415/50/60
Power cable		N x mm2	3 x 6,0	5 x 4,0	3 x 6,0	5 x 4,0	5 x 4,0
Interconnection cable		N x mm2	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5	4 x 2,5
Sound power	H	dB	72	72	70	70	74
Sound pressure	H	dB(A)	58	58	53	53	58
Running current cooling/heating	Max	A	30,0	10,0	32,0	10,0	10,0
Starting current cooling/heating	Max	A	5,0	2,0	6,0	2,0	2,0
Net dimensions	WxDxH	mm	950x370x965	950x370x965	950x370x1350	950x370x1350	950x370x1350
Packaging dimensions	WxDxH	mm	1050x485x1130	1050x485x1130	1050x485x1500	1050x485x1500	1050x485x1500
Net/gross weight		kg	84,0/89,0	85,0/90,0	105,0/118,0	101,0/116,0	101/116
Compressor type			Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin rotary inverter	Twin Rotary Inverter
Installation data							
Refrigerant			R32	R32	R32	R32	R32
Liquid pipe	∅	mm (inch)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)	9,52 (3/8)
Gas pipe	∅	mm (inch)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	15,88 (5/8)	19,05 (3/4)
Standard pipe length without refrigerant charge		m	30	30	30	30	30
Maximum pipe length		m	70	70	70	70	70
Maximum IU - OU elevation		m	30	30	30	30	30
Refrigerant charge in the factory		kg	2,30	2,30	2,90	3,50	3,5
Refrigerant charge in the factory		TCO2eq	1,55	1,55	1,96	2,36	2,36
Additional ref. charge over std length		g/m	45	45	45	45	60
Outdoor operating limits - COOLING	min-max	°C	-20-46				
Outdoor operating limits - HEATING	min-max	°C	-20-24				

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.

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# DUCTED HIGH PRESSURE R410A

Haier

20.5 kW

24.0 kW

Please see pages 40 & 41  
For Controller Options

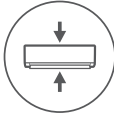
MONOSPLIT



A++ / A+



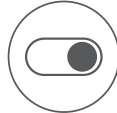
Silence



Compact  
Design



Fresh Air



On-Off Card

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- 'Fresh air' knockout is incorporated in the chassis to allow fresh air introduction of up to 20% of nominal unit air flow without compromising the cooling capacity. More than 20% of the air conditioner's thermal cooling capacity is penalised
- Condensate drain by gravity - drain pump not provided

INDOOR UNIT	Model		ADH200H1ERG	ADH250H1ERG
OUTDOOR UNIT	Model		1UH200W1ERK	1UH250W1ERK
<b>Performance data</b>				
Output power - COOLING	nom (min-max)	kW	20,5 (6,2 - 23,5)	24,0 (7,2 - 26,5)
Output power - HEATING	nom (min-max)	kW	22,8 (7,2 - 24,8)	26,8 (8,2 - 28,8)
Absorbed power - COOLING	nom (min-max)	kW	6,1 (2,5 - 8,5)	7,47 (3,5 - 9,5)
Absorbed power - HEATING	nom (min-max)	kW	6,0 (2,5 - 8,5)	7,18 (3,5 - 9,5)
Energy class	EER	W/W	3,36	3,21
	COP	W/W	3,8	3,73
COOLING Pdesign	35 °C	kW	20	24
HEATING Pdesign	(-10 °C)	kW	17	21
Energy class	SEER		6,1 (A++)	6,1 (A++)
	SCOP		4 (A+)	4 (A+)
Annual Energy Consumption - COOLING		kWh/a	/	/
Annual Energy Consumption - HEATING		kWh/a	/	/
<b>Indoor Unit</b>				
Power supply		Ph/V/Hz	1/220-230/50/60	1/220-230/50/60
Treated air volume	(H/M/L/Q)	m <sup>3</sup> /h	4320/3780/3420/3060	5040/4500/3960/3600
External static pressure		Pa	62/90/110/130/150/170/190/ 210/230/250	62/90/110/130/150/170/190/ 210/230/250
High sound power		dB	68	69
Sound pressure		dB(A)	45/50/54	47/51/55
Net dimensions	WxDxH	mm	1330x895x500	1330x895x500
Packaging dimensions	WxDxH	mm	1510x1037x568	1510x1037x568
Net/gross weight		kg	96	96
<b>Outdoor Unit</b>				
Power supply		Ph/V/Hz	3/380-400/50/60	3/380-400/50/60
Power cable		N x mm <sup>2</sup>	5 x 4,0	5 x 4,0
Interconnection cable		N x mm <sup>2</sup>	4 x 2,5	4 x 2,5
Sound power	H	dB	75	75
Sound pressure	H	dB(A)	58	58
Running current cooling/heating	Max	A	15,3/15,3	15,3/15,3
Starting current cooling/heating	Max	A	3,0/ 3,0	3,0/ 3,0
Net dimensions	WxDxH	mm	1636x1050x400	1636x1050x400
Packaging dimensions	WxDxH	mm	1050x485x1130	1050x485x1130
Net/gross weight		kg	160	160
Compressor type			Twin Rotary	Twin Rotary
<b>Installation data</b>				
Refrigerant			R410A	R410A
Liquid pipe	Ø	mm (inch)	12,70 (1/2)	12,70 (1/2)
Gas pipe	Ø	mm (inch)	19,05 (3/4)	22,22 (7/8)*
Standard pipe length without refrigerant charge		m	30	30
Maximum pipe length		m	75	75
Maximum IU - OU elevation		m	30	30
Refrigerant charge in the factory		kg	6,10	6,10
Refrigerant charge in the factory		TCO2eq	13,25	13,25
Additional ref. charge over std length		g/m	80	80
Outdoor operating limits - COOLING	min-max	°C		-10-46
Outdoor operating limits - HEATING	min-max	°C		-15-24

\*A 19.05 mm flare socket must be used and welded to the 22.22 mm gas pipe to connect the unit to the gas pipe. The nozzle is not supplied with the unit.

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