

NEW



WHY CHOOSE THE AIR TO WATER MINI SERIES?

The 3,5kW and 5kW Mini has been designed specifically for smaller properties with low heat loads. Although small capacity units are available in our standard range this one was designed to be able to operate really effectively at low loads. In Northern European markets like Ireland, UK, Netherlands, Benelux France (Nord) etc. the climate is mostly mild but with occasional cold spells. Most heat pumps focus solely on the very cold conditions we experience for a few hours or days a year while ignoring the vast majority of the heating season where the weather is cold but well above freezing.

The Mini is optimised to cope with the bulk of the heating season, it will provide 3100 Watts of heat when it's -2°C outside but will also provide just 823 Watts of heat when it's at minimum speed, on days when it's 12°C outside. Hugely reducing cycling which is neither good for the heat pump or the level of comfort in the house. It's been built to operate in the conditions specifically to these markets where mid to low range performance is the key to comfort and performance.

NEW

Mini HYDRO R290



AW032HSGHA
AW052HSGHA

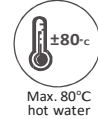


HU102WAHYA(B)



HU102F16(20)(24)AHYA

Model		AW032HSGHA		AW052HSGHA	
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	3.80	5.10	
	Power input	kW	0.72	0.99	
	COP	-	5.30	5.16	
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	3.50	5.10	
	Power input	kW	1.09	1.58	
	COP	-	3.21	3.23	
Space heating Average climate water outlet 35°C	SCOP	-	5.07	4.90	
	ns	%	200	193	
	Energy class	-	A+++	A+++	
Space heating Average climate water outlet 55°C	SCOP	-	3.85	3.85	
	ns	%	151	151	
	Energy class	-	A+++	A+++	
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	3.50	5.00	
	Power input	kW	0.74	1.08	
	EER	-	4.70	4.65	
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	3.50	4.60	
	Power input	kW	1.13	1.51	
	EER	-	3.10	3.05	
Outdoor operating temperature range	Heating	°C	-25 ~35	-25 ~35	
	Cooling	°C	10 ~48	10 ~48	
	DHW	°C	-25 ~43	-25 ~43	
Leaving water temperature range	Heating	°C	20~80	20~80	
	Cooling	°C	5~25	5~25	
Storage temperature range(tank)	DHW	°C	25~75	25~75	
Water piping connection	Inlet/Outlet	inch	G1/G 1	G1/G 1	
Expansion tank	L		/	/	
Compressor	Quantity	-	1	1	
	Type	-	DC Inverter Twin Rotary		
Refrigerant	Type	-	R290		
	Charge/CO2 Eq.	kg/t	0.59 / 1,77	0.59 / 1,77	
Net dimension	(HxWxD)	mm	765x920x372	765x920x372	
Packing dimension	(HxWxD)	mm	875x1045x488	875x1045x488	
Net/Gross weight		kg	68/80	68/80	
Sound Pressure level*(1)		dB(A)	42	42	
Sound power level*(1)		dB	55	55	
Power supply		V/-/Hz	1/220~240/50	1/220~240/50	
Max. running current		A	13.5	13.5	
Recommended circuit breaker		A	16	16	



Note:

1. According to EN14511, EN14825 (EU) and No 811/2013(EU).

2. LWT: Leaving water temperature; OAT: Outdoor air temperature.

3. Sound level values are measured at a semi-anechoic room. And the sound power level values are based on measurement of EN12102-1 under conditions of EN14825.

4. The above data may be changed without notice for future improvement on quality and performance.