

Aria

Air to water heat pump

RANGE 6.8 - 8.3 - 11.0

—
IDEAL FOR UNDERFLOOR
HEATING

—
FULLY INTEGRATED

—
COMPATIBLE WITH VOKERA
ZENITH SOLAR THERMAL



Aria

Air to water heat pump

SPECIFICATIONS	Aria 6.8	Aria 8.3	Aria 11.0
Co-efficient of Performance (1)*			
Thermal power (kW)	6.8	8.3	11
Input (kW)	1.74	2.11	2.81
COP 0/35°C	3.9	3.9	3.9
Co-efficient of Performance (2)*			
Thermal power (kW)	6.6	8.1	10.6
Input (kW)	2.14	2.68	3.5
COP 0/45°C	3	3	3
Nominal water flow (m ³ /h)	1	1.2	1.6
Nominal air flow (m ³ /h)	3.3	3.25	6.5
Noise level** (db)	58	58	62.8
Tank capacity (L)	16	16	36
Weight (kg)	110	112	164
Number of fans	1	1	2
Connections			
Inlet	3/4 inch	3/4 inch	1 inch
Reintegration	1/2 inch	1/2 inch	1/2 inch
Flow & return	BSP	BSP	BSP
Electrical			
Voltage (V/Hz)	230/50	230/50	230/50

*CoP (1) - outside air +7°C / water 30-35°C.

*CoP (2) - outside air +7°C / water 40-45°C.

**Noise level measured in free area at 1.5m from fan and 1.5m from ground

DID YOU KNOW...

Solar thermal collectors can be incorporated within a heat pump system to further minimise reliance on fossil fuels

FREE commissioning on first appliances per project during 2009!

Extracts warmth from ambient air, even when outside temperature is below 0°C. The extracted warmth is then transferred to a heat exchanger that heats the central heating and domestic hot water in a traditional way.

Co-efficient of Performance (CoP) of up to 3.9 i.e. 1.0kW of electrical energy required to generate 3.9kW of heat output (£1 of electricity can provide £4 of heat).

Fully integrated with most hydraulic components built in as standard, including circulating pump, expansion vessel, safety valve, pressure gauge, buffer tank, back-up heater and air vent, enabling a much simpler and quicker installation.

Multiple frost protection circuits protect the appliance during periods of cold weather and eliminates the possibility of compressor malfunction.

Can be used for central heating and domestic hot water when connected to a water cylinder.

The Vokèra heat pump system can incorporate Vokèra Zenith Solar thermal to further minimise reliance on fossil fuels.

Compatible with all Vokèra boilers, which can make up any differential in heat requirement, maximising end user comfort.

Boost function, when programmed, enables the back up heater to provide a quick start up response, reducing the heat-up time considerably.

Sited outside a property without the requirement for any extensive installation preparation.

Flexible application, suitable for both new build and retrofit applications.

Effective in outside air temperatures ranging from -15°C to +25°C.

Flow temperature +35°C to +50°C, making the air source heat pump ideal for underfloor heating.

First start up 'automatic adjustment' sets the appliance, for simple installation.

Built in 3kW immersion for 6.8kW and 8.3 kW outputs and 6kW immersion for 11.0kW output.

Simple to use control panel for operational adjustments and display of parameters and alarms.

Electronically controlled variable speed helical fans that ensure silent high performance.

Low Noise 58db.

CFC Free Process.

Single phase for simple installation.

Integral heat exchanger compressor for simple installation.



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Vokèra is a licensed member of the Benchmark scheme which aims to improve the standards of installation and commissioning of domestic hot water systems in the UK.