

AriaPRO

Air source heat pump

RANGE 4kW - 6kW - 8 kW -
12kW - 15kW

IDEAL FOR UNDERFLOOR
HEATING

INVERTER DRIVEN
TECHNOLOGY

COMPATIBLE WITH VOKERA
ZENITH SOLAR THERMAL



AriaPRO

Air source heat pump



MCS approved demonstrating the quality and reliability of the AriaPRO range.

Extracts heat from ambient air, even when outside temperature is below 0°C, which 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 4.2 i.e. 1.0kW of electrical energy required to generate 4.2kW of heat output (£1 of electricity can provide over £4 of heat) at EN 14511 reference conditions.

Designed for a simple installation as the integrated hydronic module requires the addition of only a few external components.

Mono-block design means that the refrigerant circuit is located in the outdoor equipment only, enabling the AriaPRO to remain outside the scope of the F-Gas directive for installation; so no F-Gas certification is necessary to install the product.

Latest inverter technology with twin rotary compressor managed by both PAM and PWM logic control ensures both temperature and efficiency is optimised at all times leading to fuel efficiency, lower noise emissions and improved comfort.

Built-in frost protection, protects the appliance from damage during periods of cold weather.

Both central heating and domestic hot water can be provided when connected to a storage cylinder.

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

AriaPRO can be installed with most Vokera boilers in a bivalent system to ensure maximum end user comfort during extreme weather conditions.

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

SPECIFICATIONS	AriaPRO 4kW	AriaPRO 6kW	AriaPRO 8kW	AriaPRO 12kW	AriaPRO 15kW
Product order code	20099423	20099424	20099425	20099426	20099427
Co-efficient of Performance (1)*					
Nominal capacity (kW)	4.1	5.8	7.2	11.9	14.5
Power input (kW)	1.01	1.37	1.84	3.04	3.57
CoP 0/35°C	4.06	4.24	3.95	3.94	4.06
Energy class	A++	A++	A+	A+	A++
Co-efficient of Performance (2)* Typical UK and Ireland conditions					
Nominal capacity (kW)	3.9	5.8	7.4	12.95	14.5
Power input (kW)	1.21	1.93	2.34	4.3	4.36
CoP 0/45°C	3.2	3.01	3.16	3.01	3.21
Dimensions and weights					
Height (mm)	821	821	821	1363	1363
Width (mm)	908	908	908	908	908
Depth (mm)	350	350	350	350	350
Empty weight (kg)	61	61	71	105	105
Sound levels					
Sound pressure** (DB)	42	42	44	47	48
Electrical					
Voltage (V/Hz)	230/50	230/50	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. **Sound pressure measured in a hemispheric field 4 metres in front of the fan. ⁽¹⁾When fitting a low loss header, an external pump is required. ⁽²⁾Subject to registration. ⁽³⁾When fitting a low loss header, an external pump is required.

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

Effective in outside air temperatures ranging from -20°C to +30°C.

Flow outlet temperature ranging up to +60°C, making the AriaPRO ideal for a number of domestic applications including underfloor heating, central heating and domestic hot water.

Electronically controlled variable speed helical fan ensures exceptionally low noise levels as low as 42 dBA (4 and 6kW outputs).

Supplied with built-in external sensor, a supplementary external sensor and remote control, to maximise efficiency.

Integral 2 litre expansion vessel supplied with the 4kW, 6kW, 8kW and 3 litre expansion vessel supplied with the 12kW and 15kW. Additional expansion capacity may be necessary dependant on the system.

If required, Vokera offer a low loss header⁽²⁾ for systems that cannot guarantee sufficient flow through the heat pump at all times.

Registered Address: Vokera Ltd Borderlake House, Unit 7 Riverside Industrial Estate, London Colney, AL2 1HG

Email: enquiries@vokera.co.uk Web: www.vokera.co.uk

Tel: 0844 391 0999 Fax: 0844 391 0998

Vokera Ireland West Court, Callan, Co Kilkenny, R95 PW40

Tel: 056 775 5057 Fax: 056 775 5060



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