



HI-OUTPUT

A range of commercial or residential air source heat pumps ideal for installation in hospitals, hotels, large retail stores, flat developments and office premises.



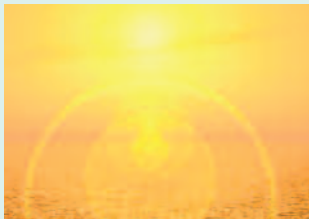
ENERGY EFFICIENT

An increasingly popular alternative source of heating, this air to water ASHP obtains heat by tapping into the earth resources itself. Trianco have chosen the air that surrounds us all, as the most practical source for a revolutionary form of commercial heating - the Air Source Heat Pump (ASHP).

Quite simply, thermal energy is extracted from the air and the heat pump boosts it to a higher, more useful temperature for use in commercial or residential premises. Activair ASHP's are one of the most cost effective ranges of renewable products on the market, with a successful track record in the domestic market.

APPLICATION

The range of commercial Activair ASHP's are ideally suited to premises requiring constant, around the clock, heating and hot water, especially those that are running up expensive energy bills using conventional systems currently.



RENEWABLE ENERGY
ALL YEAR ROUND



COMPLETE

COMMERCIAL HEATING SOLUTIONS

FEATURES

- Nominal 18kW, 35kW & 72kW output
- Suitable for DHW and Heating in commercial properties
- Competitively priced
- For installation internally (i.e. boiler room) or externally
- Floor mounted
- Low noise levels
- Minimal maintenance
- Anti frost protection
- Latest compressor technology
- Programmable

PERFORMANCE

COEFFICIENT OF PERFORMANCE

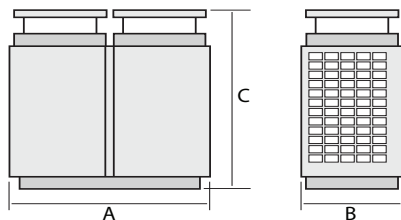
The coefficient of performance, or COP, of a heat pump is the ratio of the output heat to the input supplied. An air source heat pump operating at COP of 3.4, will provide 3.4kW of heat output for every 1kW of unit input (energy consumed).

| MODEL | INPUT (kW) | OUTPUT (kW) | COP* | AMBIENT TEMP °C |
|-------|------------|-------------|------|-----------------|
| 18kW | 3.9 | 10.5 | 2.7 | 0 |
| | 4 | 12 | 3 | 5 |
| | 4.31 | 15.5 | 3.6 | 15 |
| | 4.41 | 17.2 | 3.9 | 20 |
| 35kW | 8.2 | 20 | 2.4 | 0 |
| | 8.4 | 26 | 3.1 | 5 |
| | 8.7 | 32.5 | 3.7 | 15 |
| | 8.9 | 35 | 3.9 | 20 |
| 72kW | 16.8 | 41 | 2.4 | 0 |
| | 17 | 51 | 3 | 5 |
| | 17.7 | 64 | 3.6 | 15 |
| | 18.5 | 72 | 3.9 | 20 |

*Coefficient of Performance

The COP of heat pumps seem to compare very favourably with high efficiency gas appliance (90-99% efficient), and electric heating (100%). For every unit of electricity used to run the heat pump compressor, the heat pump will give you between 3 and 4 units of heat energy in return. The ratio of 'power in' to 'energy out' is called the co-efficient of performance (COP). The higher the COP the more effective the heat pump is at converting ambient heat into useful heat. To put this into context, a high efficiency condensing gas boiler has an efficiency of around 97%, compared against a heat pump with a COP of 3. This makes the heat pump over three times as effective at generating heat as a high efficiency gas boiler.

DIMENSIONS



| MODEL | A | B | C |
|-------|------|------|------|
| S1800 | 640 | 690 | 1540 |
| S3500 | 1280 | 690 | 1540 |
| S7200 | 2060 | 1030 | 2190 |

TECHNICAL

| MODEL PERFORMANCE | S1800 | S3500 | S7200 |
|---|------------------|-------------------|--------------------|
| HEATING CAPACITY (kW) | 18 | 35 | 72 |
| RATED INPUT POWER (kW) | 4.6 | 8.8 | 18 |
| HIGHEST TEMPERATURE OF OUTPUTTED WATER (C°) | 55 | 55 | 55 |
| RATED HEATING WATER VOLUME (m3/h) | 0.45 | 0.9 | 1.6 |
| CIRCULATING WATER FLOW (m3/h) | 3.0 | 6.0 | 1.6 |
| EXTERNAL DIMENSIONS (mm) | 640 x 690 x 1540 | 1280 x 690 x 1540 | 2060 x 1030 x 2190 |
| OUTLET PIPE | 3/4" | 1" | 3" |
| INLET PIPE | 3/4" | 1" | 3" |
| NOISE OF THE UNIT dB (A) | 64 | 66 | 70 |
| POWER SUPPLY | 3N-50Hz 380v | 3N-50Hz 380v | 3N-50Hz 380v |
| NET WEIGHT (kg) | 155 | 250 | 920 |

CONTACT



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