



CLADE

LEADING THE TRANSFORMATION IN
GREEN HEATING AND COOLING

SPRUCE AIR HANDLING UNIT AND HEAT PUMP
50, 100, 125, 150KW



PRODUCT OVERVIEW //

PRODUCT DESCRIPTION

- Clade AHU / HP Combo is a range of high efficiency heat pump / air handling units with reciprocating compressors, using inverter technology, and a direct expansion CO₂ heat transfer coil.

REFRIGERANT

- The range uses natural refrigerant CO₂ with a GWP of 1. with a much reduced environmental impact.

PERFORMANCE

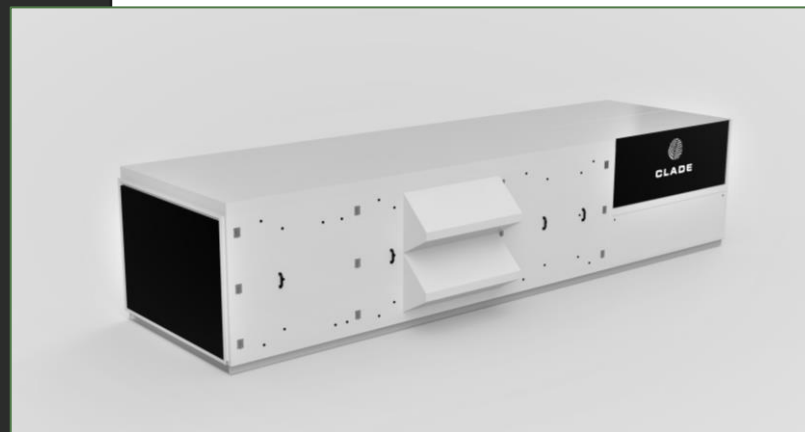
- Clade AHU / HP Combo units can produce an air off of 30°C with an airflow of 8m³. Units mount variable speed inverter compressors in order to maximize the seasonal efficiency and achieve stable thermodynamic regulation in any load condition. The whole range is characterized by compactness and low refrigerant charge.

RANGE

- The current range is 50, 100, 125 and 150kW

SAFETY

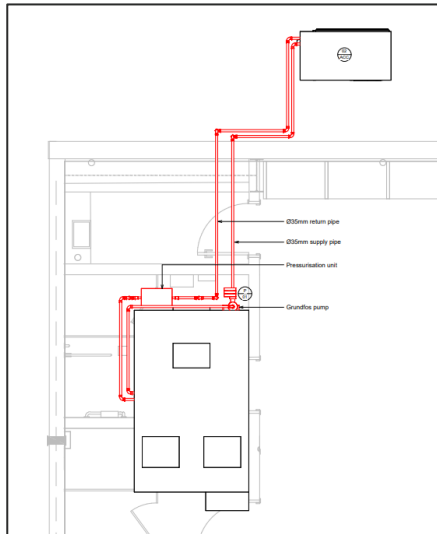
- CO₂ is safe in this application, non-toxic and non-flammable it is quickly dispersed in the air flow. Unit is fitted with leak detection and alarms.





BENEFITS //

SEPARATE AHU AND HP



Extensive on site installation and additional components required

Single integrated unit is easy and quicker to install

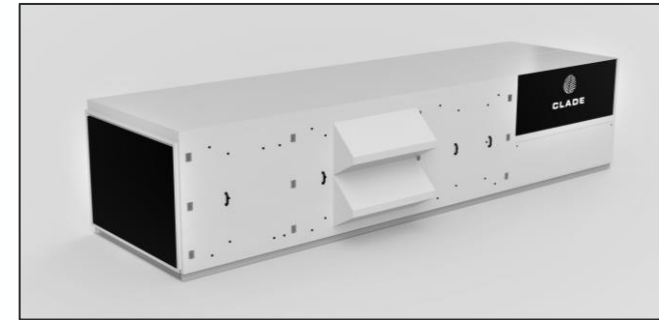
Additional space is required with structural and access considerations

Replaces existing AHU

Maintenance includes multiple units and systems.

Single unit to maintain

CLADE COMBINED AHU AND HP





UK MANUFACTURING CENTRE //



- UK based
- 35 years of engineering experience
- Leeds manufacturing division
- Committed to sustainable business and sustainable products
- Investing in people, diversity & inclusion
- Non leveraged, owner operated

ISO
ACCREDITATIONS
ISO 9001:2015
ISO 14001:2015
OHSAS ISO 18001:2007

HEALTH & SAFETY
CERTIFICATIONS
Altus Assured Vendor Award
Altus CDM Vendor Award
CHAS
Sales Contractor



THANK YOU //

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