

## Marine/Offshore - Air Handling Units



Fläkt

**FläktWoods**

# Air handling solutions for Marine and Offshore applications

Fläkt started manufacturing ventilation products in Sweden 1920 and the first products for marine applications were delivered to a passenger ship in 1937. Woods started making fans almost 100 years ago and is a respected leader in the field of axial flow fans.

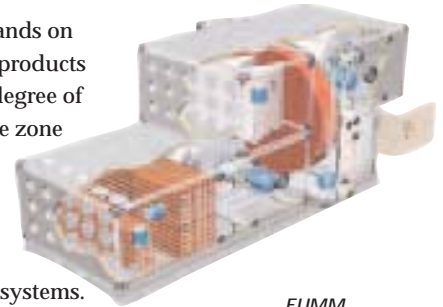
The merger into Fläkt Woods in the beginning of 2002, created a market leader within Marine HVAC with a wide range of quality products for the Marine and Offshore Industries.

Marine applications put high demands on HVAC products and systems. The products must reliably provide the highest degree of indoor climate regardless of climate zone where the vessels are operating.

We ensure excellent quality and performance to optimize the products to build complete HVAC systems.

Our manufacturing process is certified under ISO 9001, ISO 14001 and EMAS (environmental management).

The aim of Fläkt Woods is to design for a good environment, a good indoor climate as well as a low operating costs.



EUMM.  
Air Handling Unit.



»Fläkt have taken advantage of their vast marine HVAC experience to meet increasing demands and to develop products to exceed coming expectations.«



Voyager Of The Seas.

Fläkt Woods EUMM and EMAA Air Handling Units offer a complete range for all Marine ventilation needs.

Developed from experience gained after more than 60 years in the marine business, EUMM and EMAA are modern, high-specification Air Handling Unit ranges with all of the functional sections needed to meet virtually any air handling requirement.

The frame members and solid corner pieces form a sturdy framework, which is well suited to the full range of sizes.

EUMM is a modular unit offering flexibility of function, size and process while the EMAA is a compact unit based on the same design platform aimed specifically at the needs of the modern cruise liner.



*Turboterm™ – our new Rotary heat exchanger.*

We make fans and heat exchangers specifically for our units to conform to current standards and relevant guidelines. That means we control quality and performance of the entire unit to ensure problem free installation and service.

Our new Turboterm™ high efficiency rotary heat exchanger offers not only excellent heat recovery in cold weather conditions but also significant savings in refrigeration demand when its hot and humid.

Some of the main features:

- Sturdy framework with box-section steel frame members.
- Solid composite material or aluminium, powder-coated corner pieces with no sharp edges.
- 50 mm thick double-skin, flush-fitting panels.
- Non-hygroscopic, rigid sheet, mineral wool insulation with a density of 50 kg/m<sup>3</sup>.
- Fully enclosed panels.
- Purpose designed coil connection seals.
- Fully dismountable casing.
- Multi-section blocks to reduce site assembly time.
- Corrosion resistant components designed for the maritime environment.
- Stainless steel casing available as a standard alternative.
- Painted casing available as an option.
- Taylor made marine functions.

*Naturally, the units comply with the standards of US Public Health, the classification societies Lloyds, Norske Veritas, Bureau Veritas, Germanischer Lloyd and American Bureau of Shipping.*

*The design and manufacturing of the unit and its components is carried out in accordance with the Quality Assurance Standard ISO 9001 and the Environmental Standard ISO 14001.*



*EMAA.  
Air Handling Unit.*

## Product selection program (AHU)

*Computer-aided selection with our newly developed offers rapid selection to specific project requirements and provides you with all the technical information you will need. The program is web based and always up-to-date without the need to download patches or program up-dates.*

*The selection program features our e-CAD utility program, which provides a link to most CAD programs so that air handling unit selections can easily be incorporated in project drawings.*

*We can even provide a Life Cycle Energy Cost analysis - LCCe. This can be used to optimise the selection of space requirement and energy consumption.*



# *Fläkt Woods Group Brings Air to Life*



**Fläkt Woods Group provides a full range of products and solutions for buildings ventilation, air treatment and industrial air movement.**

#### **Head offices**

##### **Building Air Climate**

Fläkt Woods AB  
Kung Hans väg 12  
SE-192 68 SOLLENTUNA, Sweden  
t +46 (0)8 626 49 00  
f +46 (0)8 626 73 10

##### **Industry Air Movement**

Fläkt Woods Limited  
Tufnell Way  
Colchester, CO4 5AR, United Kingdom  
t + (0)1206 544122  
f + (0)1206 574434

Sales Offices available World Wide –  
See our website for details.

**[www.flaktwoods.com](http://www.flaktwoods.com)**

##### **MUNTERS INTERNATIONAL INC.**

1064 N. Town & River Dr.  
Fort Myers, FL 33919

T: 239-540-0006  
F: 239-481-3566  
E: [info@muntersinternational.com](mailto:info@muntersinternational.com)  
W: [www.muntersinternational.com](http://www.muntersinternational.com)



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