TRADEWINDS FAN COIL UNITS

THE FIRST CHOICE FOR MARINE ENGINEERS

WWW.TRADEWINDSGROUP.CO.UK
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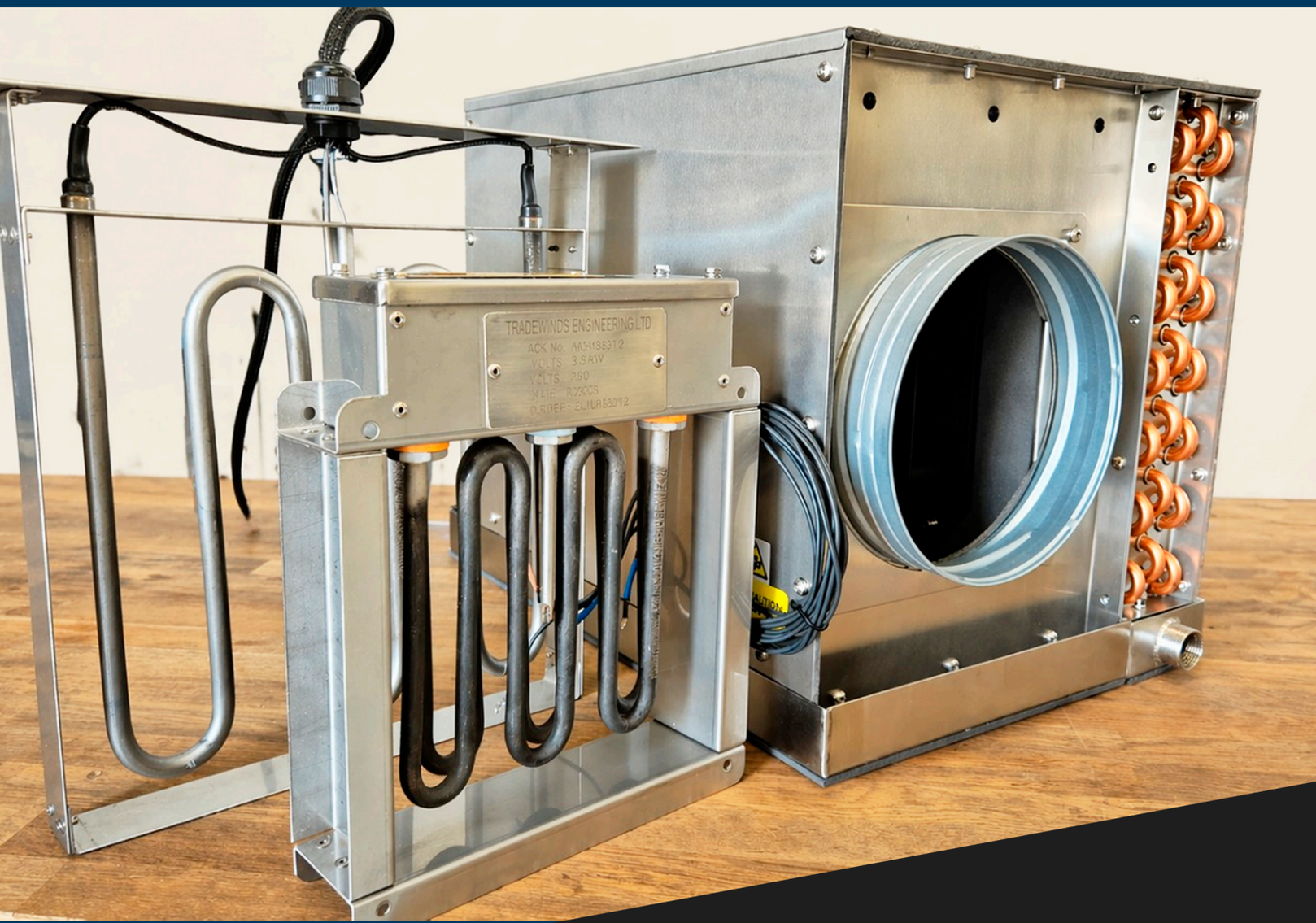
TRADEWINDS
ENGINEERING

VARIOUS MODELS AVAILABLE

We offer a selection of models ranging from 6,000 BTU to 24,000 BTU cooling capacity, with optional extras to create a bespoke package that works just for you.

Our five year warranty offers peace of mind, knowing you're in safe hands with us.



THE FIRST CHOICE FOR MARINE ENGINEERS

HIGH QUALITY COMPONENTS & UNIQUE FEATURES

SUPER QUIET OPERATION & IMPROVED AIRFLOW

EASY TO MAINTAIN, CLEAN & REPLACE PARTS

CORROSION RESISTANCE & EXTENDED LIFE

DEVELOPED BY MARINE ENGINEERS

THE TRADEWINDS FAN COIL UNIT

A REVOLUTIONARY SOLUTION FOR THE MARINE HVAC SECTOR

The Tradewinds Fan Coil Unit (FCU) embraces the latest in design & technology to provide a super quiet, unique and compact solution for climatic control in the superyacht industry.

We've listened to the engineers, Captains and yacht owners. After years of design & development, we have created the most advanced fan coil unit on the market today.

We have developed a product that is quiet, easy to maintain and an efficient long-term investment. A game changer for the marine HVAC industry.

DESIGNED & BUILT BY YACHT ENGINEERS

- **Super quiet fans**
- **Compact actuator & washable filter**
- **Improved drainage functions**
- **Corrosion resistant coating**
- **Quick release hoses**
- **Ease of maintenance**
- **5 year warranty**
- **Approximate 6-8 weeks lead time**

DESIGNED & MANUFACTURED BY ENGINEERS, FOR ENGINEERS

With decades of experience in the marine HVAC+R sector, our fan coil units are designed using our first-hand knowledge to create a superior, unique product at an affordable price.

We manufacture each unit at our Somerset workshop in England, with competitive lead times as fast as 6-8 weeks.

Our team of highly skilled engineers ensure each unit is created with care and our strict quality control checks & 5 year warranty provide peace of mind for our customers.

CORROSION RESISTANCE

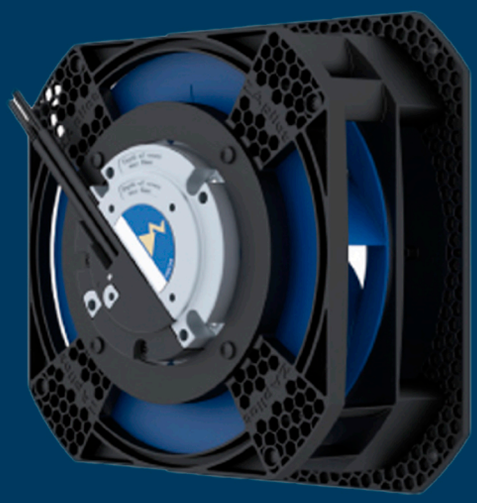
Designed specifically for the marine industry with corrosion resistant coating on the coil fins & composite high-grade fans, our fan coil units are built to last.

Combined with 304 & 316 stainless steel casing, this protects & significantly extends the life of our fan coil unit, saving overall costs.

SAIL IN COMFORT

Improved airflow, super quiet fans, antibacterial insulation and dynamic speeds create a stable room temperature & quiet environment, providing peace & comfort on-board the vessel.

The safety valve lock-off system and oversized drains reduce spillages and the washable filters allow for improved air quality.



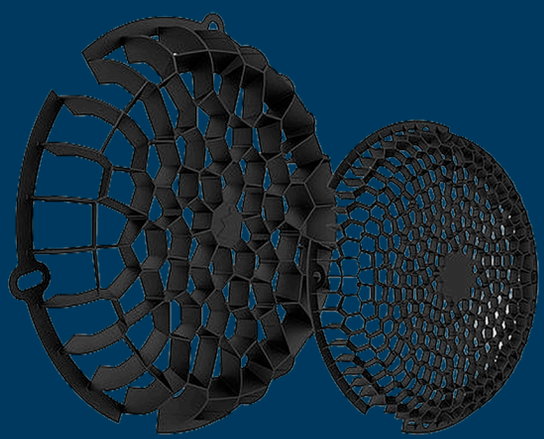
SUPER QUIET OPERATION FOR MINIMAL DISRUPTION

- **Composite fans; no corrosion**
- **Up to 5% higher efficiency**
- **Easy to replace, compact & lightweight**
- **0-10V EC fan motor for variable speeds**

We've oversized the fans and slowed them down to deliver the required airflow at a fraction of the decibel signature.

We've also installed a honeycomb baffle on the suction side of the fan. The result is a reduction in noise levels and overall acoustic values.

Experience has shown that the total sound level of a typical ventilation system can be easily improved by 3 to 6 dB.



QUICK RELEASE HOSES: A GAME CHANGER FOR MAINTENANCE

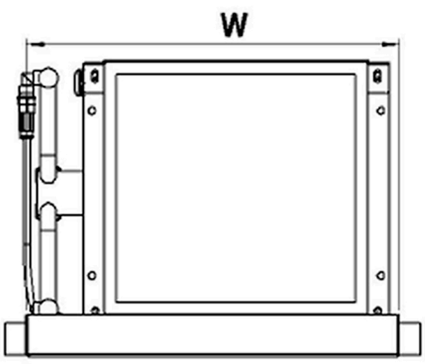
The quick release hoses feature serious upgrades in efficiency and will reduce maintenance costs, practically eliminating spillage.

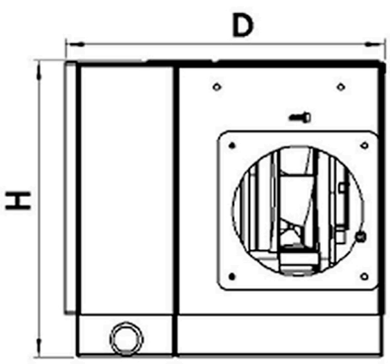
TECHNICAL SPECIFICATION							
MODEL NO.	**TFC06**	**TFC08**	**TFC10**	**TFC12**	**TFC16**	**TFC20**	**TFC24**
Capacity (Btu/h)	6,000	8,000	10,000	12,000	16,000	20,000	24,000
Capacity (kW)	1.76	2.34	2.93	3.52	4.69	5.86	7.03
Cooling Air Flow Volume (m^3/h)	310	418	522	627	836	1,045	1,254
Cooling Current (A)	1.89	1.89	1.89	1.89	2.76	2.76	2.76
Heater Power (kW)	1	1.50	1.50	2.00	2.50	3.00	3.50
Heating Current (A)	4.5	6.8	6.8	9.1	11.4	13.6	15.9
Water Flow Rate * (l/min)	5.34	9.06	9.06	10.26	14.52	16.98	22.26
Sound Level (+ dB)	49	53	54	55	59	50	50
Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Power Supply (V)	200-240V	200-240V	200-240V	200-240V	200-240V	200-240V	200-240V
Operating ambient temperature: Minimum 15°C (59°F) - Maximum 40°C (104°F). Water inlet temperature should be approx. 6°C (43°F) *** Water flow is limited by the flow control valves**							
DIMENSIONS							
Width x Depth x Height (mm)	368 x 300 x 300	395 x 300 x 320	395 x 325 x 320	420 x 325 x 345	445 x 325 x 370	470 x 375 x 395	520 x 375 x 395
Min. Supply Duct Size (mm)	125	125	150	150	150	200	200
Water Connection (DN [BSP M])	15 [½"]	15 [½"]	15 [½"]	15 [½"]	15 [½"]	15 [½"]	20 [¾"]
Drain (BSP F) x2 Per Unit	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Net Weight (kg)	10.2	11.5	11.5	12.8	14.0	17.0	18.0
ACCESSORIES INCLUDED							
Air bleeder with ball valve & flexible tubing	✔	✔	✔	✔	✔	✔	✔
Mounting brackets	✔	✔	✔	✔	✔	✔	✔

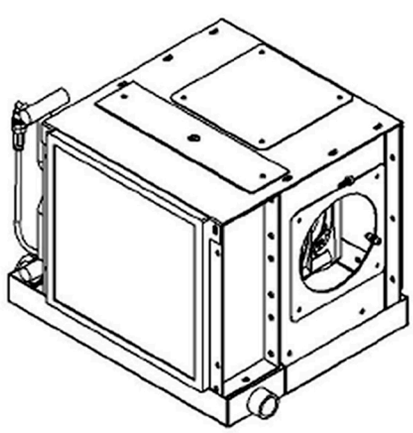
Materials used: 304 & 316 Stainless Steel, PA plastic + 30% glass fibre, Copper, Hydrophilic Epoxy Coated Aluminium, FR Polyethylene Foam

OPTIONAL EXTRAS:

- Control Package: Touch screen display, control box, air temp sensor, water temp sensor, cables, water sensor housing
- Heating Package: Choice of Duct or Cassette Heater
- Filter Packages: 4 filters or 4 filters with frame







WE'RE EXPERTS IN MARINE HVAC+R & OFFER A VARIETY OF SERVICES & PRODUCTS

CHILLER DESIGN & INSTALLATION
Full redesign, build and installation of chiller systems

CHILLER & VESSEL HVAC DESIGN ANALYSIS
Vessel heat load requirements for clear discovery of design optimisation

ATEX AC UNITS, FIELD TOOLBOXES & MORE
HVAC equipment suitable for the marine industry

TRAINING COURSES
FGas Certification (City & Guilds) & Online Marine HVAC Courses

TRADEWINDS FAN COIL UNITS
Revolutionary design, created specifically for the marine industry

GET IN TOUCH FOR A BESPOKE QUOTATION

WE'D LOVE TO WORK WITH YOU

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