

ECOWATT VENTILATION

EVERY 6 SECONDS AN S&P  
PRODUCT IS INSTALLED  
SOMEWHERE IN THE WORLD



AIR  
HANDLING



HEAT  
RECOVERY

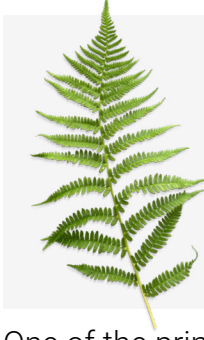


INLINE  
DUCT



ACOUSTIC  
FANS

# What is Ecowatt?



**Eco**  
adjective  
Not harmful to the environment

**Watt**  
noun  
The standard measure of electrical power

One of the principal challenges for S&P Ventilation Group is to produce products which continue to be energy efficient without sacrificing performance. Introducing S&P Ecowatt, a high efficiency fan range, incorporating Ecowatt motor technology.

## So what is Ecowatt Technology, and what makes it better than AC?

An Ecowatt motor uses brushless permanent magnets that are electrically charged to rotate the rotor & in turn spin the impellers. An AC motor (alternating current) uses poles to electrically charge brushes to rotate the rotor that spins the shaft & in turn the fan impeller. Brushless permanent magnet technology provides greater control and high efficiency.

## Benefits of using Ecowatt Motors Vs. AC Motors:

- Ecowatt motors generate less heat & utilise inbuilt electronics that optimise electrical power consumption
- Up to 35% more efficient than AC motors
- Reduced CO2 emissions
- Higher efficiency fans with lower SFPs
- Longer life spans when compared to brushed AC motors

**We are proud to have provided ventilation solutions for over 100,000 UK businesses both big and small. How could we work with you?**



# EASY VENT

## The art of fan selection.

[Easyvent.solerpalau.com](http://Easyvent.solerpalau.com)

**At S&P we have developed EASYVENT, a complete, intuitive and comprehensive fan selection software tool. The software presents innovative features that makes product selection simple:**

- Displays all product catalogues and datasheets
- Make selections with many new filters
- Possibility to compare product performance curves
- 3D product image for Building Information Modelling (BIM)
- Project selection and development
- Ability to share projects



**NBS Source is a tool that creates a single source for product information. Unlike any other product library, NBS Source provides an additional level of enhanced product data, in a consistent, structured format that will integrate seamlessly into your project workflow.**



**Quiet Mark certification is the unique consumer and trade champion mark of approval and resource platform. It provides reliable and independent information about the sound a product makes and approved noise reduction performance before purchase with the primary focus to improve health and wellbeing.**



# Circular Inline Fans



## Ultra-Quiet Circular Duct Fans

### TD-SILENT ECOWATT

up to 0.46 m<sup>3</sup>/s

#### USPs:

Low Noise Breakout  
Quiet Mark registered  
Easy install

#### Applications:

Tea Point  
Toilet  
Offices  
Public Buildings



## Low Noise Level Inline Duct Fan

### TD-PF ECOWATT

up to 0.49 m<sup>3</sup>/s

#### USPs:

85% recycled plastic  
Low noise  
Easy install

#### Applications:

Tea Point  
Toilet  
General Ventilation



## Inline Duct Fan

### JETLINE ECOWATT

up to 0.44 m<sup>3</sup>/s

#### USPs:

Low volume  
High pressure  
Internal/External installation

#### Applications:

Tea Point



ecotechnology

An ECOWATT product can be easily identified by the "ec technology" logo. S&P UK's new high efficiency fan range, incorporate EC motor technology

# Acoustic Cabinet Fans



## Acoustic Twin Cabinet Fan MELLIZO/XL ECOWATT up to 3.2 m<sup>3</sup>/s

### USPs:

Low noise  
Integral changeover panel  
Internal/External installation

### Applications:

Toilet  
Washroom  
Changing Rooms



## Acoustic Cabinet Fans CVAB/T ECOWATT up to 3.29 m<sup>3</sup>/s

### USPs:

Low noise  
Internal/External installation  
Configurable

### Applications:

Toilet  
Washroom  
Changing Rooms



## Low Profile Acoustic Cabinet Fan CAB-ECOWATT up to 0.74 m<sup>3</sup>/s

### USPs:

50mm acoustic insulation  
Installation in any orientation

### Applications:

Offices  
Public Buildings



## Acoustic Supply Fan with Filtration UVF ECOWATT up to 0.75 m<sup>3</sup>/s

### USPs:

Integral F7 filter (F7 & F9 version also available)  
Low noise  
Pre-filter available as accessory  
Installation in any position

### Applications:

Offices  
Public Buildings

# Roof Fans



## Horizontal Discharge Roof Fan CRHB/T ECOWATT

up to 3.99 m<sup>3</sup>/s

### USPs:

Low profile horizontal roof fan  
High efficiency backward curved centrifugal impeller

### Applications:

Storage / Warehousing  
Heat Dissipation  
Changing Rooms



## Vertical Discharge Roof Fan CRVB/T ECOWATT

up to 3.70 m<sup>3</sup>/s

### USPs:

High efficiency backward curved centrifugal impeller

### Applications:

Tea Point  
Washroom  
Canteen



# Inline Rectangular Fans



## Inline Rectangular Duct Fan IRB/T ECOWATT

up to 2.82 m<sup>3</sup>/s

### USPs:

Low profile rectangular duct  
Installation in any position

### Applications:

Offices  
Transfer Fan



## Motor Out Of Airstream High Temperature Extract fan

ILHT ECOWATT

up to 6.986 m<sup>3</sup>/s

### USPs:

Motor out of airstream  
Configurable (Inline or 90° discharge)  
120°C continuous / 400°C for 120 minutes

### Applications:

Kitchen extract  
Smoke extract



# Demand Control Elements



## Controller Ventilation MULTI-REG

### Features and Functions

- Digital Diagnostic & Run Display
- Control of Two Independent Motors/Fans
- Variable Speed Control
- Demand Control Ventilation – Via 0-10v Sensor
- Trickle & Boost – 230v or Volt Free
- Constant Pressure – ACCESSORY TDP-PI
- Local Speed Pot – ACCESSORY REB-ECOWATT
- Remote On/Off – 230v or Volt Free
- Fan Fail – Volt Free
- Fire Alarm Shutdown – Volt Free
- Multiple Sensor Inputs – 230V or Volt Free
- Control of Inlet Damper – 230V
- Run on Timer
- Compatible with all S&P ECOWATT Products
- Dimensions 145mm x 196mm x 82mm



## Indoor Air Quality AIRSENS Main features

- 4 working modes:
  - Relay output
  - 0-10V output
  - 2-10V output
  - Full Modbus or & CONNECTAIR® platform (WiFi version) communication control
- Adjustable set point.
- IAQ level indicator (3-LED light diffuser).
- Adjustable 3-LED light diffuser intensity.

## Solar Energy!

729 solar panels have been recently installed at our factory in Madrid, a 100% green energy power source, generating 450 Mega Watt Hours per year and a saving in electricity consumptions of 35%!

Since the energy does not come from the national power grid, our actual power consumption for TM65 Calculations are significantly reduced!



Achieving a world that is

**CLEANER**  
**HEALTHIER**  
**LESS POLLUTED**



## TM65 Embodied carbon

The construction industry has long focused on operational carbon emissions, (the energy consumed in operating a building) and has paid much less attention to emissions related to the rest of the life cycle stages of buildings.

To make well-informed decisions that will mitigate global warming, engineers, architects and developers need to embrace whole life carbon (WLC) emissions.

This term refers to both operational and embodied carbon emissions from manufacturing, transporting, constructing, operating, repairing and maintaining a building, through to deconstructing the building and processing waste.

Whole Life Carbon, embodied and operational are expressed as 'CO<sub>2</sub> equivalent' (CO<sub>2</sub>e). In 2021, CIBSE (the Chartered Institute of Building Services Engineers) published their guide TM65 Embodied Carbon in Building Services: A Calculation Methodology, intended to support consultants, researchers and manufacturers in assessing the embodied carbon of building services equipment. In this document, embodied carbon is understood as the greenhouse gas emissions (GHG) associated with the making of a product, its installation, its maintenance, repair, replacement, and then its end of life. It covers the whole life cycle, excluding operational aspects and the potential recovery, reuse or recycling of materials"



# Notes

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 **INTEGRITY ASSURED**  
*Technical information you can trust.*



**THE SERVICE YOU WANT,  
FROM THE BRAND YOU  
CAN TRUST.**

**Questions? We're Here to Help.**

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