

COMPLETE VENTILATION SOLUTIONS LTD

UNIT 4, TAPTON WAY
L13 1DA LIVERPOOL
Tel. No. : +44 755 773 3347
Fax : -
www.completeventsolutions.co.uk

Contact
Agnew WAYNE
Tel. No. : +447703433884
Mobile : +447703433884
wayne.agnew@completeventsolutions.co.uk

Tel. No. :
Fax :

Recipient : Mobile :
Tel. No. : Mail :

Project : Luminous Oaks Project reference : 255235 Creation date : 17/06/2025
Dimensioning : KSF 02 01 Softwair™ version : V8.6.1 04/2025 Page : 1/4

EVENTYS 530 BC ECO



EVENTYS™, self-regulating heating compact AHU , EUROVENT certified , (electric or water).

Casing double skin RAL9007 exterior insulated with mineral wool 50mm M0 high density (60 kg/m³). Equipped with double-lip joint tappings to guarantee the airtightness of the networks (ATEC CSTB n° 13-224-V2)

Plug fan or centrifugal fan with double inlet according to the models. Very low consumption EC motor, compliant with ErP2018.

Motor-fan assembly mounted on anti-vibration mounts and flexible connection between fan and blower panel.

No Eurovent filter M5 ePM10 50%. Fan and battery pressure drop dimensioned for dry conditions.

IP55 control box equipped with a padlockable proximity switch.

Optimal and automatic management by MODBUS communicating regulation.

Integrated roof for indoor or outdoor installation.

MEASUREMENT DATA

Airflow data

Fresh airflow rate : 2268 [m³/h] Fresh air pressure 250 [Pa]

Winter thermal data

Outdoor conditions : 2 [°C] / 100 [%]
Indoor conditions : 20 [°C] / 50 [%]

With hot water coil

Water temp.: 80 / 60 [°C] Fluid: PROPY. GLYCOL Setpoint: - [°C]
Glycol concentration.: 10 %

Summer thermal data

Outdoor conditions : 30 [°C] / 45 [%]
Indoor conditions : 24 [°C] / 50 [%]

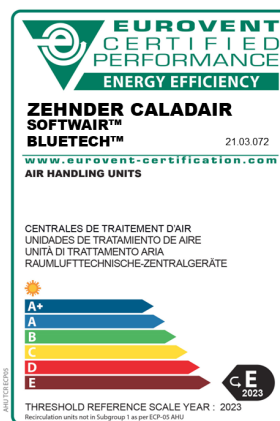
Report Conditions

Air density : 1.2 [kg/m³] Filters : Clean
Country : France City : MACON-CHARNAY

ENERGY EFFICIENCY



fs-Pref : 0



fs-Pref : 0

Caising AIRTOP™ EN1886		L1-D2-T3-TB3-F9
CAL -400Pa	L1	
CAL +400Pa	L3	SFPint Global 210 [W/(m³/s)]
ErP 1253/2014	2018	Type NRVU-UVU
Global power 608 [W]		Global PSFP 965 [W.s/m³]

Project : Luminous Oaks

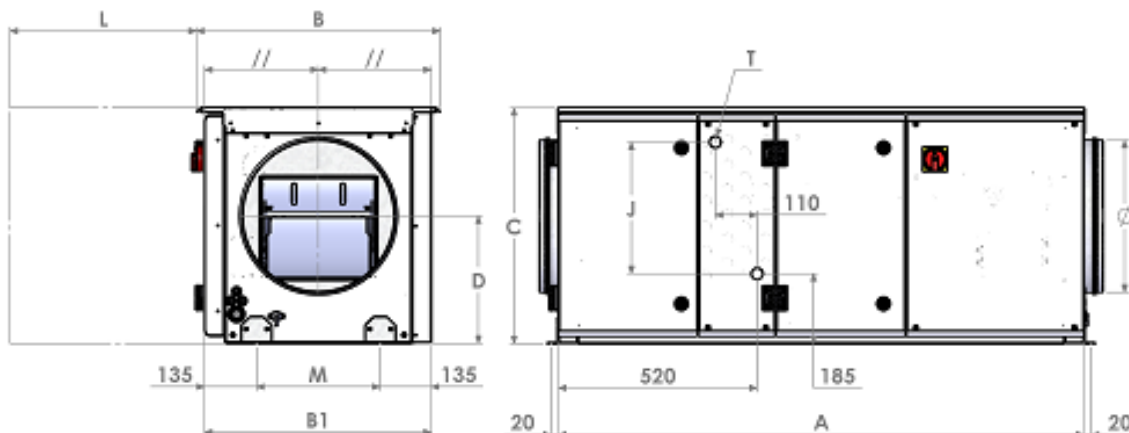
Project reference : 255235

Creation date : 17/06/2025

Softwair™ version : V8.6.1 04/2025

Page : 2/4

MEASUREMENTS CHARACTERISTICS



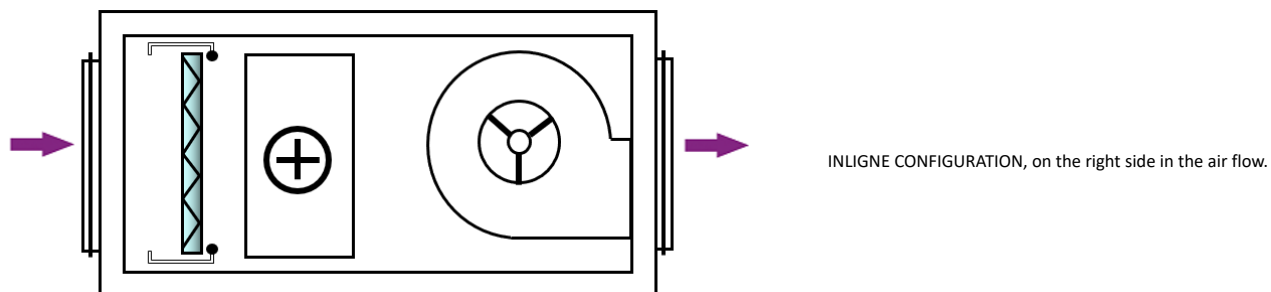
EVENTYS 530 BC ECO

A	B	B1	C	D	J	L	M	T	Ø	Weight
1380	595	635	620	335	340	590	325	1/2"	400	120

ELECTRICAL CHARACTERISTICS

Voltage	Current protection	Fan power	Using temp.	Current protection	Thermal protection
230V / 1Ph / 50Hz	4,5 A	1040 W	-25 / 40	IP44 / F	PTI

INSTALLATION CONFIGURATION



ELECTRICAL OPTIONS



DN15/2,5 - 1/2" F 0-10V

KIT 3 WAY VALVE 24V IP54

x1



POT 230V

POTENTIOMETER 0-10V

x1

ASSEMBLY OPTIONS



PCB JEU DE 4 NON MONTE

SUPPORTING FEET

x1

Project : Luminous Oaks

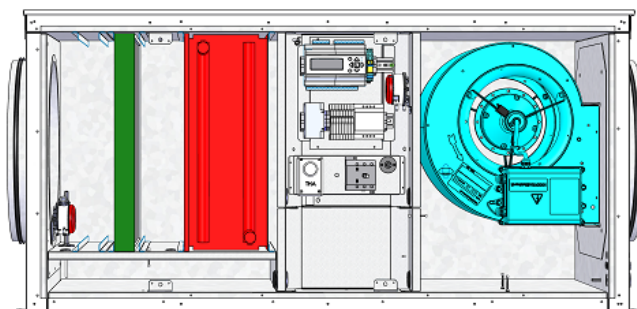
Project reference : 255235

Creation date : 17/06/2025

Softwair™ version : V8.6.1 04/2025

Page : 3/4

FUNCTIONAL VIEW



- Supply air filter. Second filter in option possible.
- Hot water coil
- EC fan

WINTER THERMAL PERFORMANCE

HEAT BALANCE

Fresh air input temperature (TNE)	2	[°C]
Fresh air input humidity (HNE)	100	[%]
Fresh air blowing temperature (TNS)	30.7	[°C]
Fresh air blowing humidity (HNS)	16	[%]

HOT WATER COIL

Air Inlet Temperature	2	[°C]	[EAU005381]	
Air inlet Humidity	100	[%]		
Maximum calorific power	22	[kW]		
Useful calorific power	22	[kW]		
Maximum coil water flow rate	0.97	[m³/h]		
Coil water flow rate	0.97	[m³/h]		
Pump water flow rate	0.97	[m³/h]		
Fresh air pressure drop	112	[Pa]		

Air Outlet Temperature	30.7	[°C]
Air Outlet Humidity	16	[%]
Air speed	4,10	[m/s]
Maximum water pressure drop	22,50	[kPa]
Water pressure drop	22.5	[kPa]
Coil volume	0.9	[L]
Input connection diameter	1/2"	["]
Output connection diameter	1/2"	["]

SUMMER THERMAL PERFORMANCE

HEAT BALANCE

Fresh air input temperature (TNE)	30	[°C]
Fresh air input humidity (HNE)	45	[%]
Fresh air blowing temperature (TNS)	30	[°C]
Fresh air blowing humidity (HNS)	45	[%]

AIRFLOW PERFORMANCE

FRESH AIR		[AMI024259]
System pressure drop	15	[Pa]
Airflow rate	2268	[m³/h]
Fan power used (clean filter)	608	[W]
Fan power used (design filter pressure)	743	[W]
Fan PSFP	965	[W/s/m³]
Fan SFP class (EN16798-3)	SFP3	
Fan rotation speed	1498	[tr/min]
Static fan pressure	463	[Pa]
Filter class (EN16890)	M5 ePM10 50%	[OPA029569]
Air speed	2.99	[m/s]
Design filter energy performance	1299	[kWh/an]
Clean filter pressure drop (air density 1,2 kg/m³)	86	[Pa]
Design filter pressure drop (1,2 kg/m³)	172	[Pa]
Final filter pressure drop (EUROVENT4.21) (1,2 kg/m³)	258	[Pa]

Project : Luminous Oaks

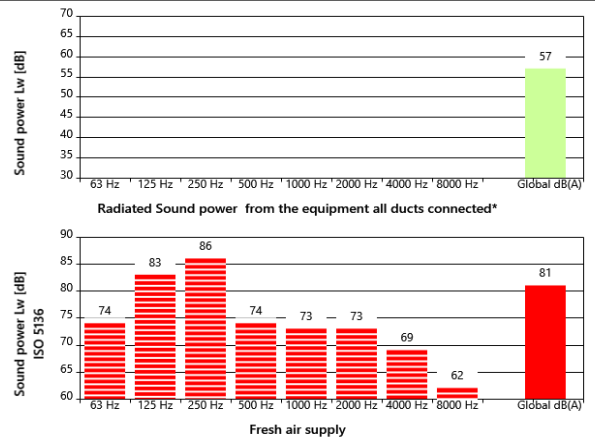
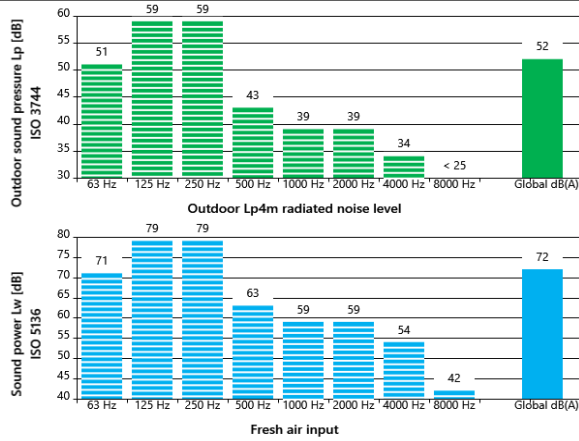
Project reference : 255235

Creation date : 17/06/2025

Softwair™ version : V8.6.1 04/2025

Page : 4/4

ACOUSTIC CHARACTERISTICS



Note :

Precision: acoustic spectrum +/- 5 db(A)

Global values +/- 3 db(A)

* Values for similar ducts soundproofing than the AHU in hemispherical free field.

PERFORMANCE CURVES

- Fresh Air casing curve
- Fresh Air operating curve
- Fresh Air operating point

