



ICTUS W250

Technical data



Mechanical Ventilation with Heat Recovery
(MVHR)



ICTUS W250

The ICTUS W250 is an advanced ventilation solution designed to meet the stringent requirements of modern ventilation systems. This unit combines high performance with efficiency and durability, making it an ideal choice for both single houses and apartment complexes. The ease of installation through the unique hang-and-go system combined with competitive pricing ensures increased profitability on site.

Key features:



Airflows: **275 m³/h** @100Pa, **265 m³/h** @150Pa, **250 m³/h** @200Pa



Heat recovery efficiency **93% - 90%** (EN308)



EC motors – **low energy** consumption



Whisper quiet



Filters **G4** – option **F7**



Summer bypass for **free cooling** – full automatic



Communication via **Wifi - Modbus**



Wall mounting or stand-alone



Wireless 4-stage switch with LED communication.



left/right software interchangeability



Constantflow



Technical data (ERP – ECODESIGN)

Type	AirSmart ICTUS W250
Description	Ventilation unit
Type	Heat recovery unit – double flow
Conformity EPB	D
Model	W250
Fan type	DC
Utility power	220-230 VAC
Max. power (A)	1.35
Frequency	50 Hz
Max. airflow at 100 Pa pressure	275 m ³ /h
Max. airflow at 150 Pa pressure	265 m ³ /h
Max. airflow at 200 Pa pressure	250 m ³ /h
Control possibilities (optional)	4 stage RF / 3 stage wired Via APP (Android & IOS) Demand control CO ₂ , RH, motion, ...
Type of fan control	automatic, constant flow



Technical data	
Type of control	Central Measured locally with CO ₂ , VOC , RH (as an option)
Filter type outside/inside	G4 (optional F7) /G4
Notification for filter cleaning or renewal	Filter notification via LED indication on the unit, via APP or on RF control Filters need to be cleaned every 3 months and replaced once a year.
Casing material	EPP (expanded poly propylene)
Bypass	100% open/closed
Bypass control	Automated, based on the outside temperature
Heat exchanger	Counterflow plastic plate
Mounting	Mounting brackets with vibration dampers
Connector extraction (mm)	2 x diam. 180
Connector pulsion (mm)	2 x diam. 180
Max. electrical power (W)	91W
Dimensions (HxWxD)	715x725x550
Weight	18kg

Accoustic performance dB(A) m ³				
Airflow m ³ /h	100 m ³ /h	150 m ³ /h	200 m ³ /h	250 m ³ /h
External pressure Pa.	25 Pa	25 Pa	50 Pa	50 Pa
Sound pressure EPP case dB(A)	40,8	47,1	52,3	55,9
Sound pressure extraction duct dB(A)	37,3	42,8	47,9	51,9
Sound pressure pulsion duct dB(A)	46,0	53,0	59,2	62,3

Energy efficiency				
Airflow m ³ /h	144 m ³ /h	169 m ³ /h	201 m ³ /h	253 m ³ /h
Thermal efficiency in % - EN 308	93%	92%	91%	90%
Total power at 150 Pa external 2 fans + control in W	34W	45W	60W	85W
Autonomous control	Yes			
Bypass	100% open			

Measurements	
Height	715 mm
Width	725 mm
Depth	550 mm
Diameter duct connection	180 mm

Performance curve ICTUS W250

