



ICTUS C250

Productdetails



Mechanical Ventilation with Heat Recovery
(MVHR) for ceiling mounting



ICTUS C250

The ICTUS C250 is a lightweight, next-generation ventilation unit with heat recovery. With an airflow capacity of up to 250 m³/h, the unit is perfect for family homes and apartments. This model can be mounted to both ceilings and walls and can be used in renovation and new projects. During the summer months, the 100% bypass function can be used for free cooling.

Key features:



Capaciteit: **280 m³/h** @100Pa, **265 m³/h** @150Pa, **250 m³/h** @200Pa



Heat recovery efficiency **86% - 90%**



EC motors – **low energy** consumption



Whisper Quiet



Filters **G4** – Option **F7**



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



Communication via **Wifi - Modbus**



Ceiling mounting or **wall**



Wireless 4-stage controller with LED communication



Left/right software interchangeability



Constantflow



Technical details (ERP – ECODESIGN)

Type	AirSmart ICTUS 250P
Type of unit	Ventilation with heat recovery
Model	C250
Ventilator type	DC
Utility power	220-230 VAC
Max. power (A)	1.35
Frequency	50 Hz
Max. airflow at 100 Pa pressure	280 m ³ /h
Max. airflow at 150 Pa pressure	265 m ³ /h
Max. airflow at 200 Pa pressure	250 m ³ /h
Steering	With 4 stage switch Via APP (Android & IOS) Demand control CO ₂ , RH, motion, ...
Type of ventilator control	Automated control
Constant flow	Certified constant flow with NTC



Technical details	
Control	Centralized steering Measured locally with CO ₂ , VOC , RH
Filtertype	G4 (optional F7)
Indication for filter cleaning or renewal	Filter alarm via LED indication on the unit or via APP Filters need to be cleaned every 3 months and replaced once a year.
Casing material	EPP (expanded polypropylene)
Bypass	100%
Bypass steering	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)	115W
Dimensions (HxWxD)	1065mm x 770mm x 327mm
Weight	15 KG



Accoustic performance dB(A) m ³				
Airflow m ³ /h	75 m ³ /h	151 m ³ /h	201 m ³ /h	256 m ³ /h
Sound pressure EPP case	14,5	28,3	37,2	45
Sound pressure extraction duct	13,8	26,2	34,6	37,3
Sound pressure pulsion duct	19,5	37,3	49,2	57

Energy efficiency				
Airflow m ³ /h	155 m ³ /h	203 m ³ /h	247 m ³ /h	284 m ³ /h
Thermal efficiency in % - EN 308	/	90%	89%	87%
Total power at 150 Pa external 2 ventilators + steering in W	35W	51W	75W	105W
Max output	57,5 watt / Fan			
Demand control	yes			
Bypass	100%			



Performance curve ICTUS C250

