

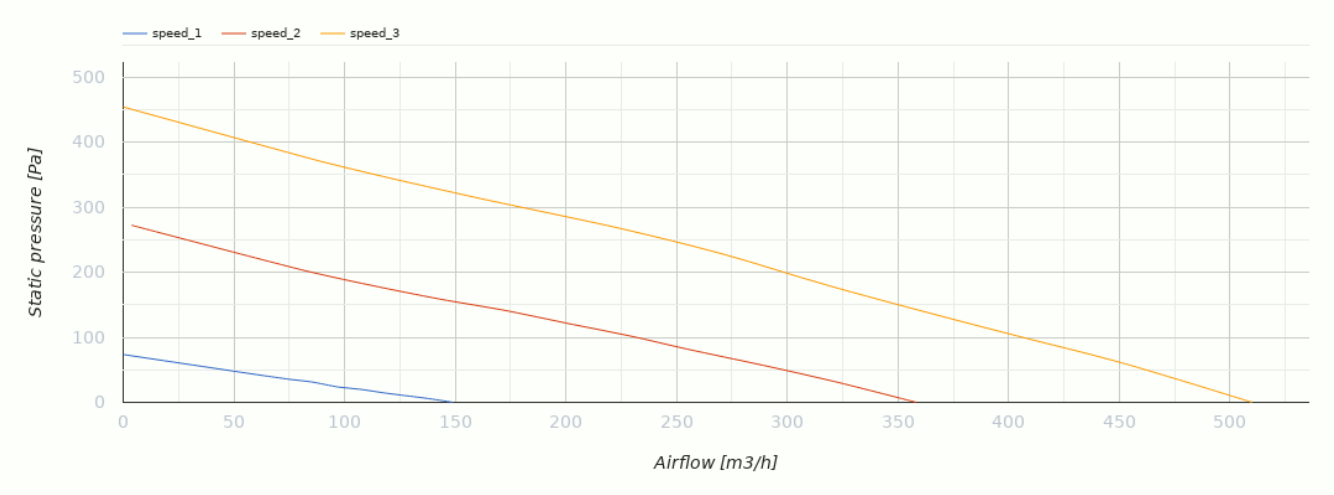
CIVIC EC D1BE2 500 S21

The CIVIC EC DB units are designed for single-room ventilation of schools, offices and other public and commercial premises

- Power of electrical preheater: 1750
- Power of electrical reheater: 1750
- Sound pressure level LpA at 3 m: 24
- Sound pressure level LpA at 1 m: 34
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Supply filter: G4, F8 (option F8 C + H11)
- Extract filter: G4
- Bypass: Auto
- Reheater: Electric
- Preheater: Electric
- BMS protocol: ModBus
- Control: Wired control panel, Wireless control panel, Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional
- Temperature sensor: Built-in

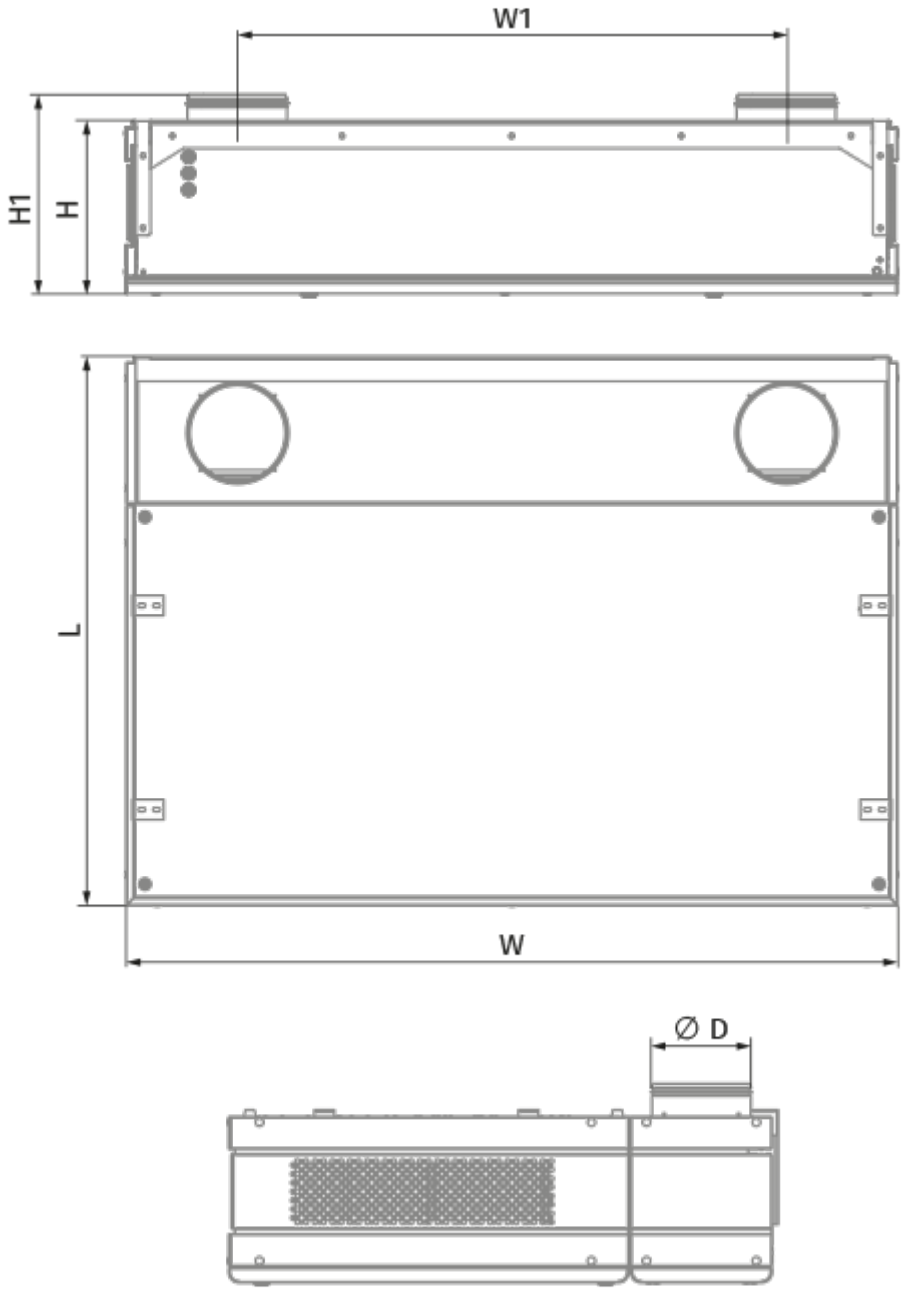
	Unit of measurement	CIVIC EC D1BE2 500 S21
Connected air duct size	mm	250
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	170
Power of electrical preheater	W	1750
Power of electrical reheater	W	1750
Unit current	A	18.2
Maximum airflow	m^3/h	510
Rotation speed at 50hz	-	1700
Sound pressure level LpA at 3 m	dB(A)	24
Sound pressure level LpA at 1 m	dB(A)	34
Heat recovery efficiency, max	%	86
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	130

Supply filter	-	G4, F8 (option F8 C + H11)
Extract filter	-	G4
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature max	°C	40
Ambient air temperature min	°C	1
Ingress protection rating	-	IP20
Ambient air humidity max	%	60
Ingress protection rating of the drive	-	IP44
Maximum wall thickness	mm	2000



Dimensions

Ø D	H	H1	L	L1	W	W1
249	386	462	1349	1083	1806	1314



Accessories

Condensation drainage

Name	Photo	Description
SFK 20x32		Hydraulic syphon for condensate drainage
CP-2		Drain pump

Control Panels

Name	Photo	Description
S25		LCD control panel
S22		Control panels
S22 Wi-Fi		Control panels

CO2 sensors

Name	Photo	Description
CD-1		CO2 sensors
CD-2		CO2 sensors

Humidity sensors

Name	Photo	Description
FS2		Humidity sensor

Other accessories

Name	Photo	Description
FP 325x314x48 F8		F8 filter
FP 714x320x48 F8 C		F8 carbon filter
FP 325x314x48 G4		G4 panel filter

FP 325x388x48 G4		G4 panel filter
FP 714x320x48 H11		H11 HEPA filter

Metal

Name	Photo	Description
VDA 250 CFn Al		Metal grilles for decoration of exhaust vents in residential, public and industrial buildings