

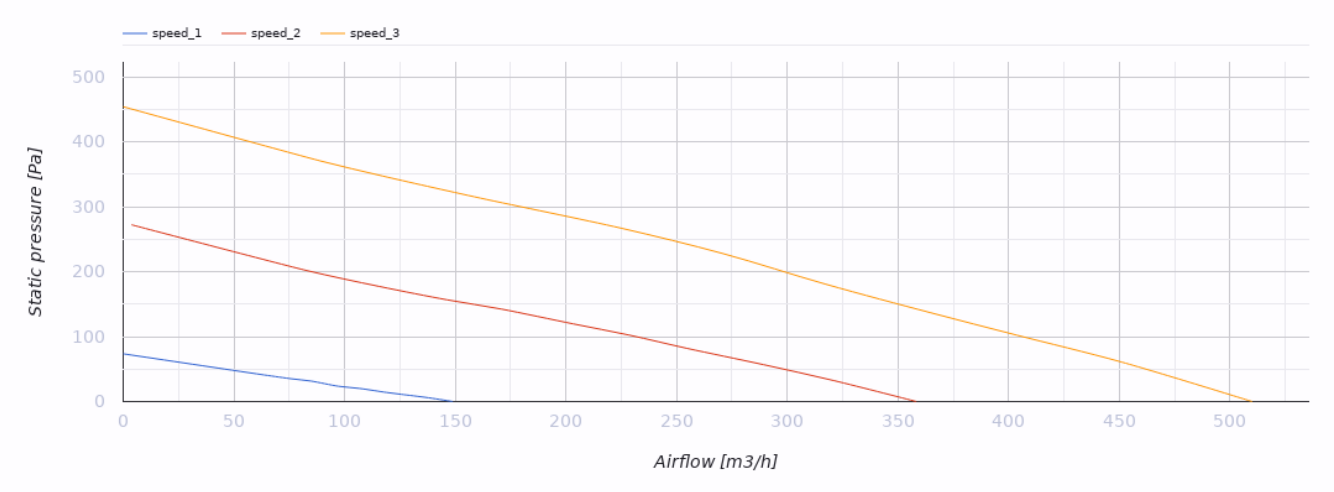
CIVIC EC DBE 500 S21

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
- Sound pressure level LpA at 1 m: 34
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Bypass: Auto
- 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

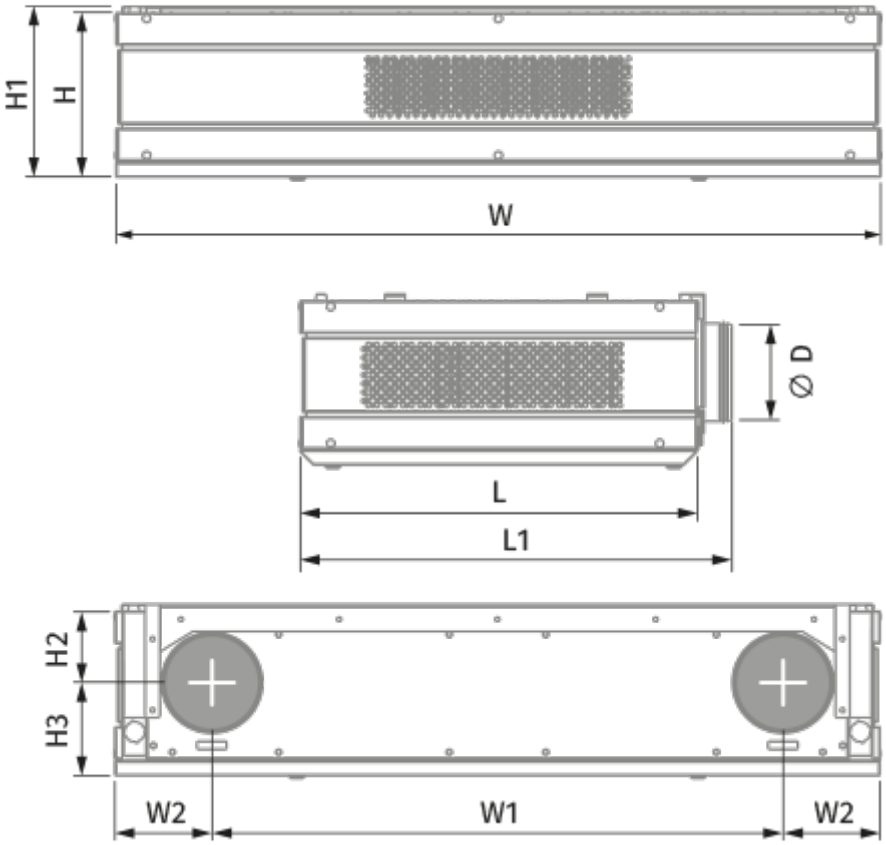
	Unit of measurement	CIVIC EC DBE 500 S21
Phases	-	1
Maximum supply voltage	V	230
Minimum supply voltage	V	230
Power supply frequency	Hz	50/60
Power of electrical preheater	W	1750
Maximum airflow	m³/h	510
Sound pressure level LpA at 1 m	dB(A)	34
Heat recovery efficiency, max	%	86
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	128
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ingress protection rating	-	IP20
Ingress protection rating of the drive	-	IP44
Ambient air humidity max	%	60
Minimum wall thickness	mm	100

Maximum wall thickness	mm	2000



Dimensions

∅ D	H	H1	H2	H3	L	L1	W	W1	W2
249	386	400	169	217	1018	1083	1806	1316	244



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