

DVUT 500 PBE2 EC A21 V.2

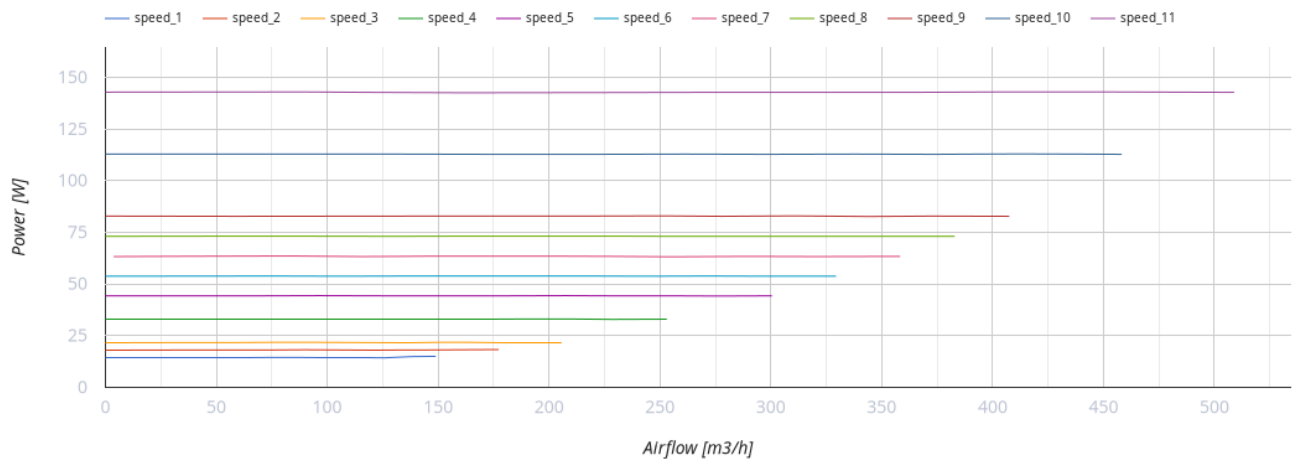
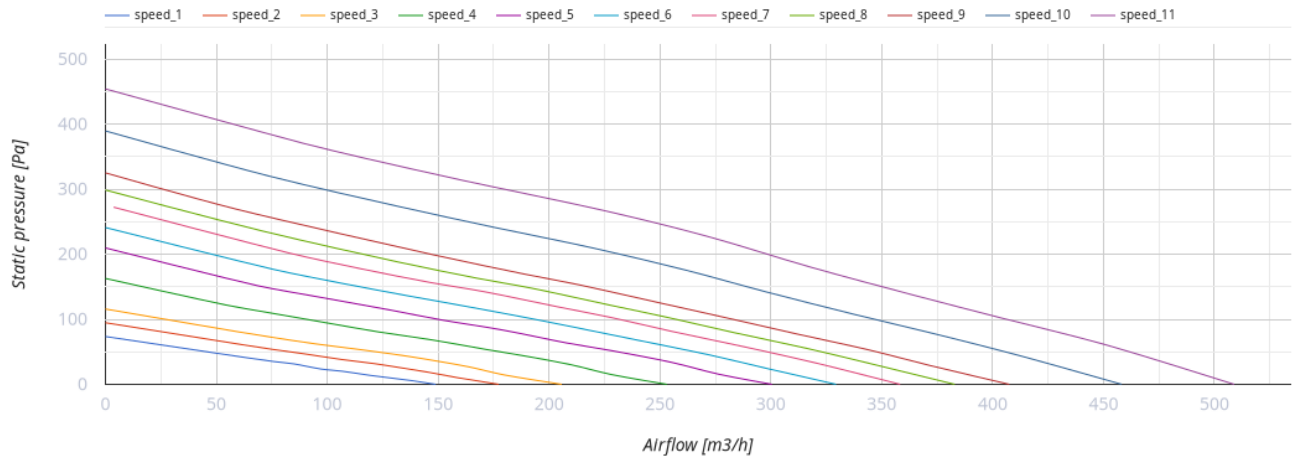


School suspended AHUs with an air flow of up to 1000 m³/h

- Power of electrical preheater: 1050
- Power of electrical reheater: 700
- Maximum airflow: 510
- Sound pressure level LpA at 3 m: 34
- Sound pressure level LpA at 1 m: 44
- Heat exchanger type: Counter flow
- Extract filter: ISO Coarse >60% (G4)
- Supply filter: ISO ePM1 60% (F7)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Electric
- Preheater: Electric
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Galvanized steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- Temperature sensor: Built-in

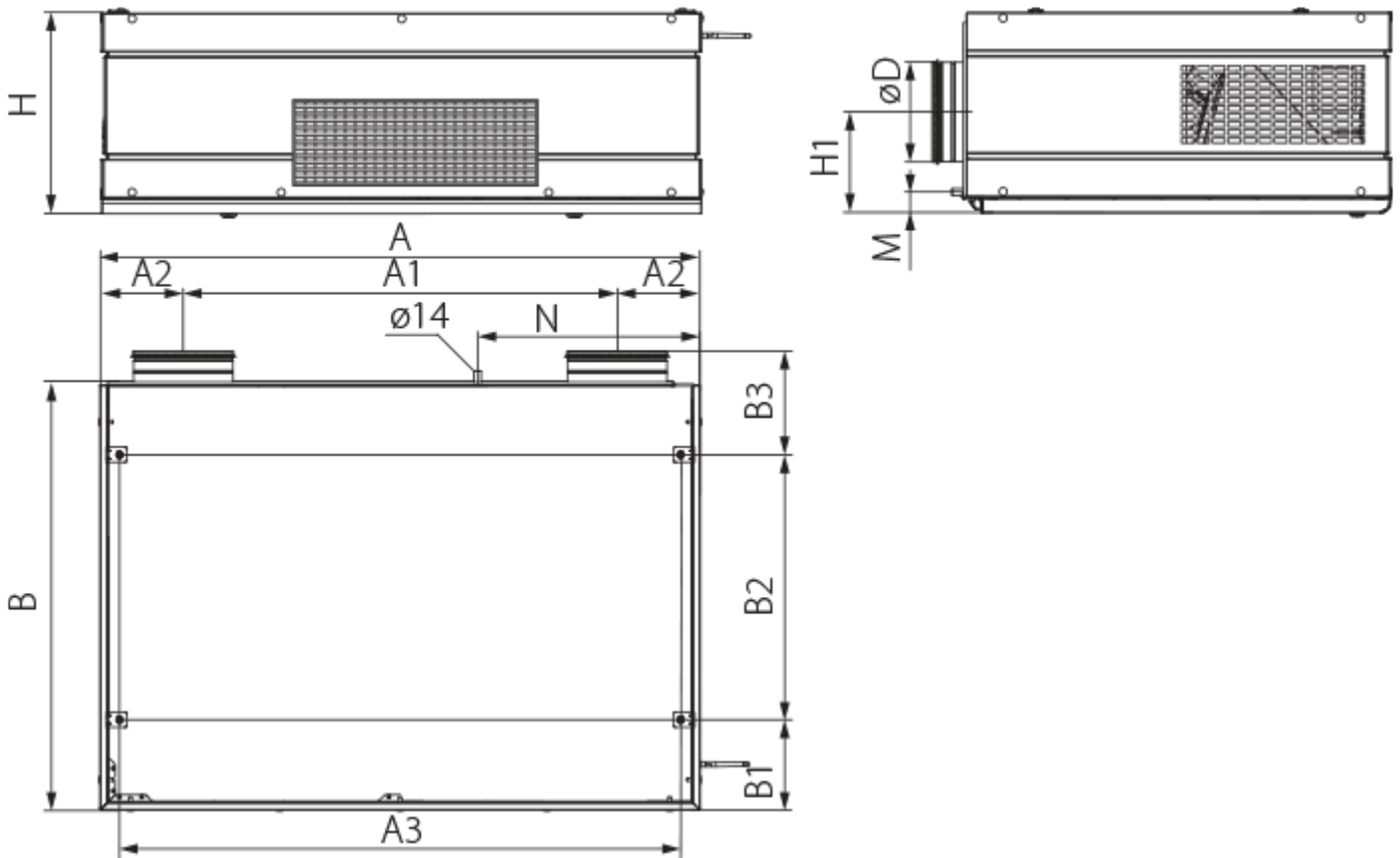
	Unit of measurement	DVUT 500 PBE2 EC A21 V.2
Connected air duct size	mm	250
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	143
Power of electrical preheater	W	1050
Power of electrical reheater	W	700
Unit current	A	1.1
Maximum airflow	m ³ /h	510
Sound pressure level LpA at 3 m	dB(A)	34
Sound pressure level LpA at 1 m	dB(A)	44
Heat recovery efficiency, max	%	96
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	130
Extract filter	-	ISO Coarse >60% (G4)
Supply filter	-	ISO ePM1 60% (F7)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25

Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP20
Ingress protection rating of the drive	-	IP44



Dimensions

ØD	A	A1	A2	A3	B	B1	B2	B3	H	H1	N	M
250	1500	1135	186	1422	850	181	530	207	458	221	504	41



Accessories

Metal



Name	Photo	Description
MVMA 250 bVn Al		Supply and exhaust metal grille

Sensors




Name	Photo	Description
CO2-1		CO2 sensors
CO2-2		CO2 sensors
HV2		Humidity sensor
HR-S		Electro-mechanical humidistat

DPWC11200		Humidity sensor
CO2-3		CO2 sensor

VOC sensors

Name	Photo	Description
DPWQ30600		VOC sensors
DPWQ40200		CO2 sensor

Condensation drainage

Name	Photo	Description
DN-2		Drain pump for pumping out and draining condensation
SH-32		Hydraulic U-trap to drain condensate from heat exchangers and coolers
DN-2-DVUT P		Boxed drain pump for pumping out and draining condensation