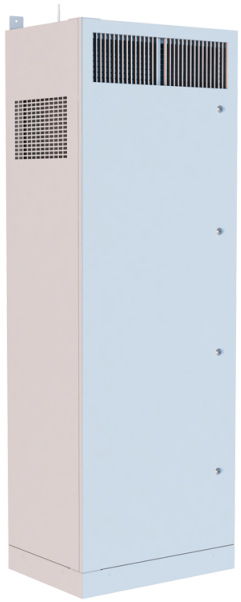
DVUT 500 HBE EC A21 V.2



School floor-mounted AHUs

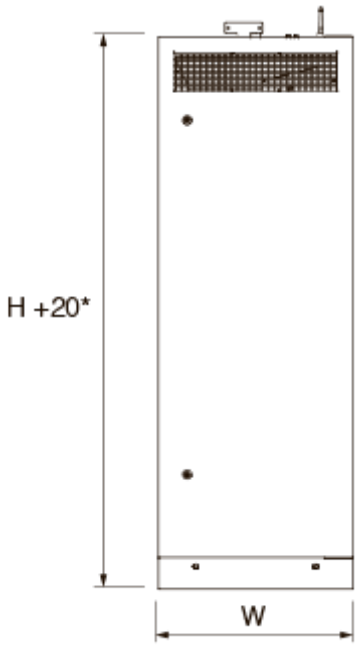
- Power of electrical preheater: 1050
- Sound pressure level LpA at 3 m: 38
- Sound pressure level LpA at 1 m: 47
- Heat exchanger type: Counter flow
- Heat exchanger material: Polystyrene
- Supply filter: ISO ePM1 60% (F7)
- Extract filter: ISO Coarse >60% (G4)
- Sound-insulated casing
- Bypass: Auto
- Preheater: Electric
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional
- Temperature sensor

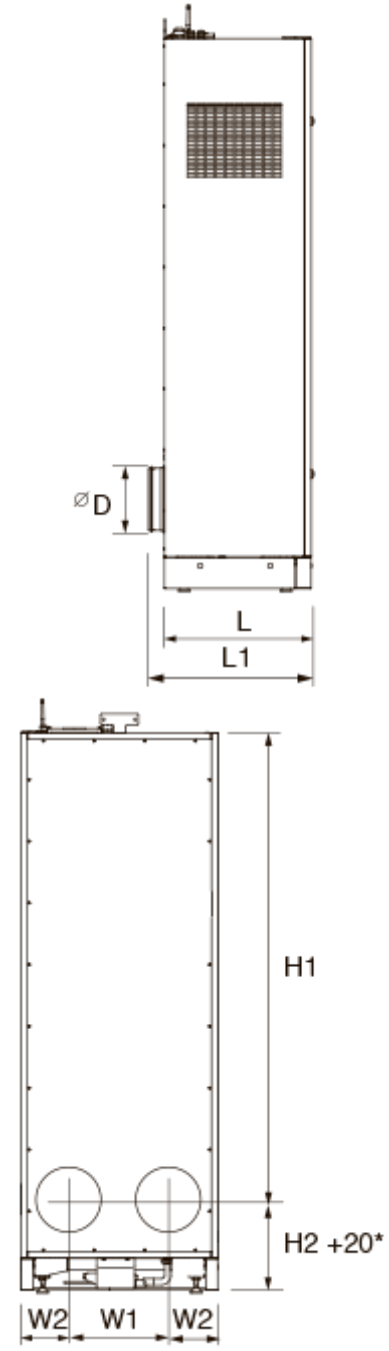
	Unit of measurement	DVUT 500 HBE EC A21 V.2
Connected air duct size	mm	250
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	370
Power of electrical preheater	W	1050
Unit current	A	9.1
Maximum airflow	m³/h	580
Sound pressure level LpA at 3 m	dB(A)	38
Sound pressure level LpA at 1 m	dB(A)	47
Heat recovery efficiency, max	%	94
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	140
Supply filter	-	ISO ePM1 60% (F7)
Extract filter	-	ISO Coarse >60% (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
Minimum wall thickness	mm	100
Maximum wall thickness	mm	2000

Dimensions

W	W1	W2	L	L1	H	H1	H2	D
750	350	200	535	585	2170	1865	305	250





Accessories

Sensors

Name	Photo	Description
HV2		Humidity sensor
CO2-1		CO2 sensors

CO2-2		CO2 sensors
HR-S		Electro-mechanical humidistat
DPWC11200		Humidity sensor
CO2-3		CO2 sensor

VOC sensors

Name	Photo	Description
DPWQ30600		VOC sensors

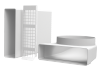
CO2 sensors

Name	Photo	Description
DPWQ40200		CO2 sensor

Condensation drainage

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

Other accessories

Name	Photo	Description
NB DVUT 500 HB chrome		Outer ventilation hood
NB DVUT 500 HB white		Outer ventilation hood
SF 255x448x25 G4 (2 pcs.)		Panel filter G4

SF 449x318x60 F7		F7 panel filter