

# DVUT 500 PBE EC A21 V.2

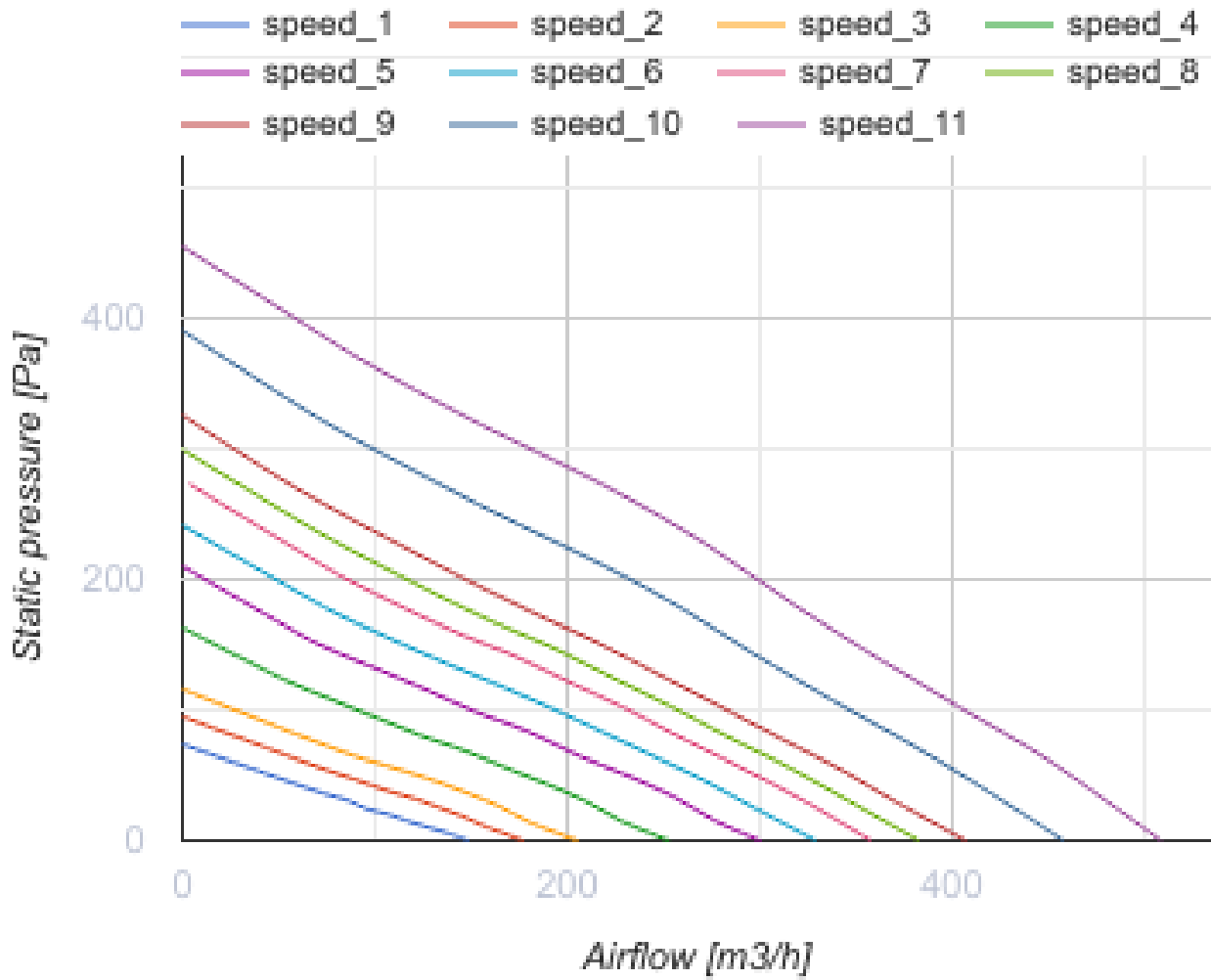


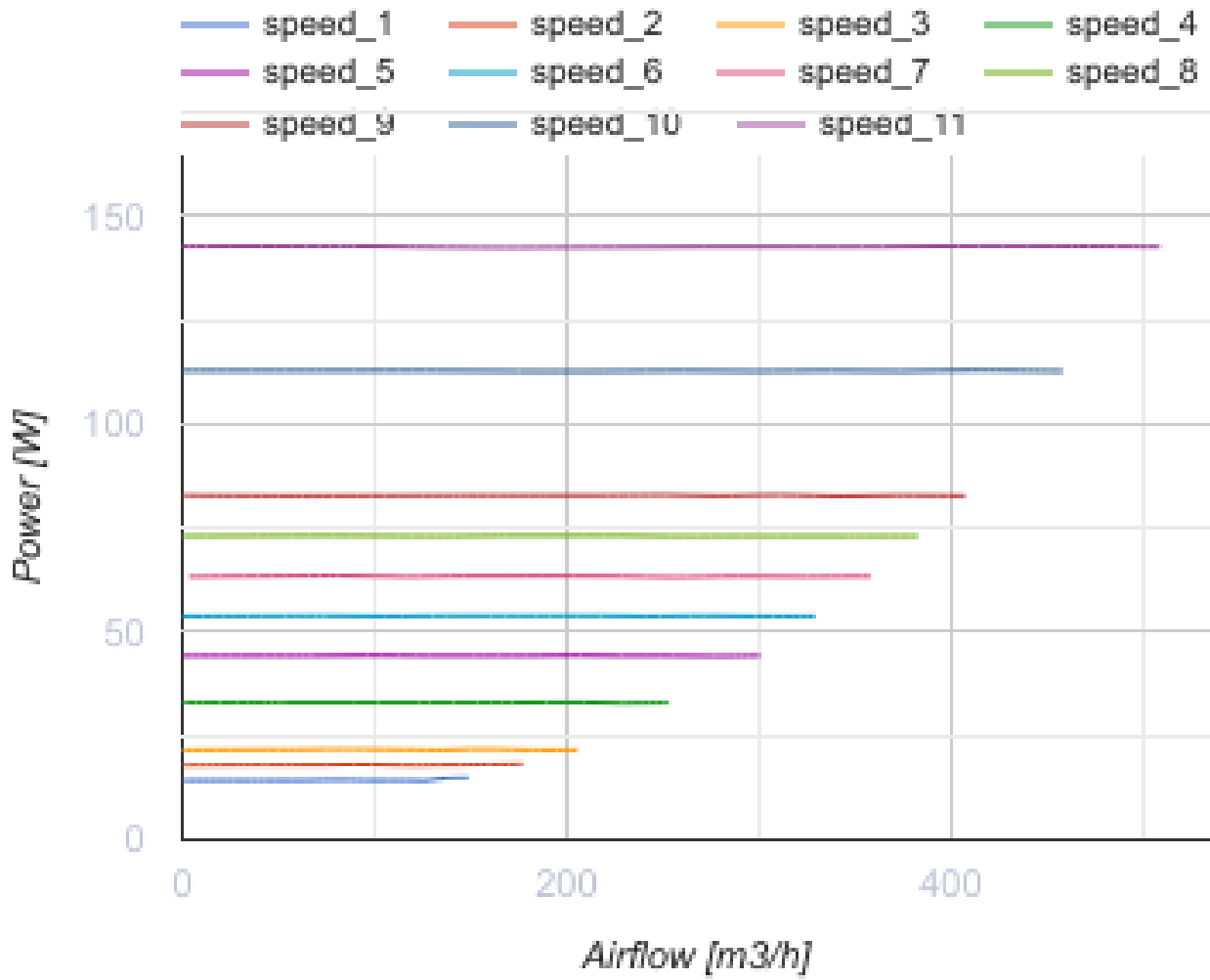
Suspension-mounted single-room air handling units in a heat- and sound insulated casing

- Power of electrical preheater: 1050
- 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
- 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 PBE 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
Unit current	A	1.1
Maximum airflow	m <sup>3</sup> /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	128
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

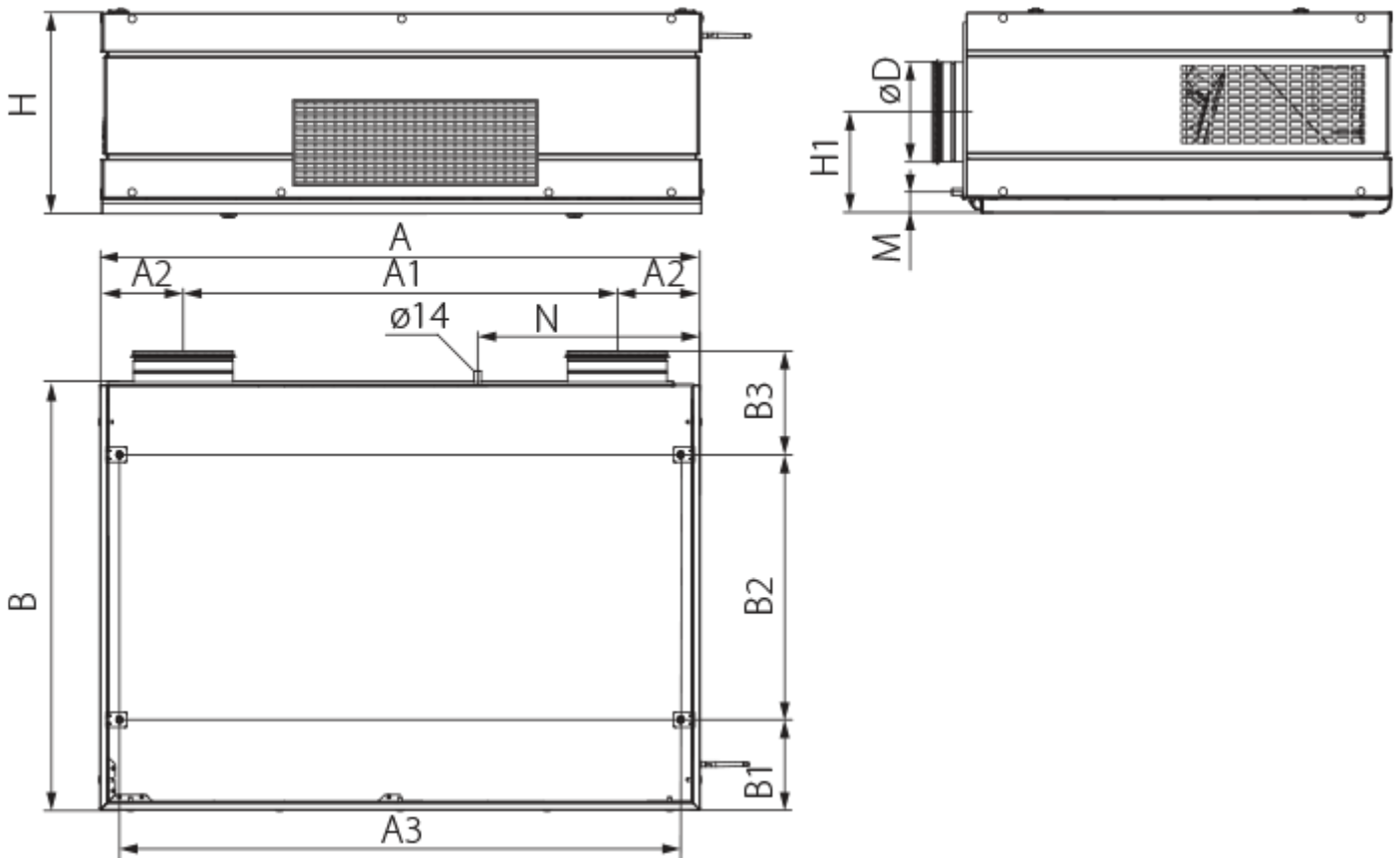
Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP20
Ingress protection rating of the drive	-	IP44





## 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
<a href="#">MVMA 250 bVn Al</a>		Supply and exhaust metal grille

### Sensors




Name	Photo	Description
<a href="#">CO2-1</a>		CO2 sensors
<a href="#">CO2-2</a>		CO2 sensors
<a href="#">HV2</a>		Humidity sensor
<a href="#">HR-S</a>		Electro-mechanical humidistats

<a href="#">DPWC11200</a>		Humidity sensor
<a href="#">CO2-3</a>		CO2 sensor

### VOC sensors

Name	Photo	Description
<a href="#">DPWQ30600</a>		VOC sensors
<a href="#">DPWQ40200</a>		CO2 sensor

### Condensation drainage

Name	Photo	Description
<a href="#">DN-2</a>		The drain pump provides extraction and discharge of condensate in ventilation systems
<a href="#">SH-32</a>		The hydraulic U-trap for condensate drainage from heat exchangers and coolers in ventilation and air conditioning systems
<a href="#">DN-2-DVUT P</a>		Drain pump kit box