

KOMFORT Roto EC DE 250 R S21

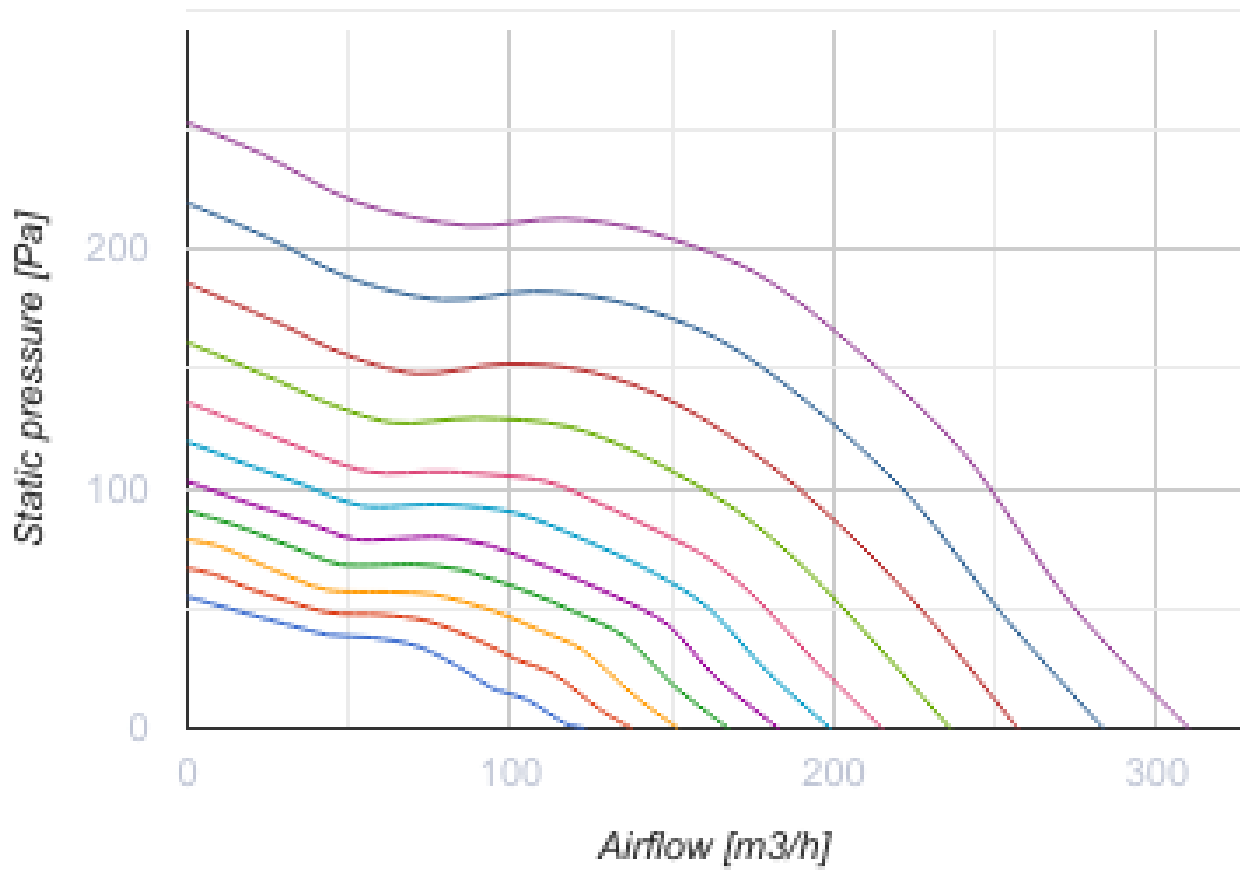
Suspended heat recovery air handling units

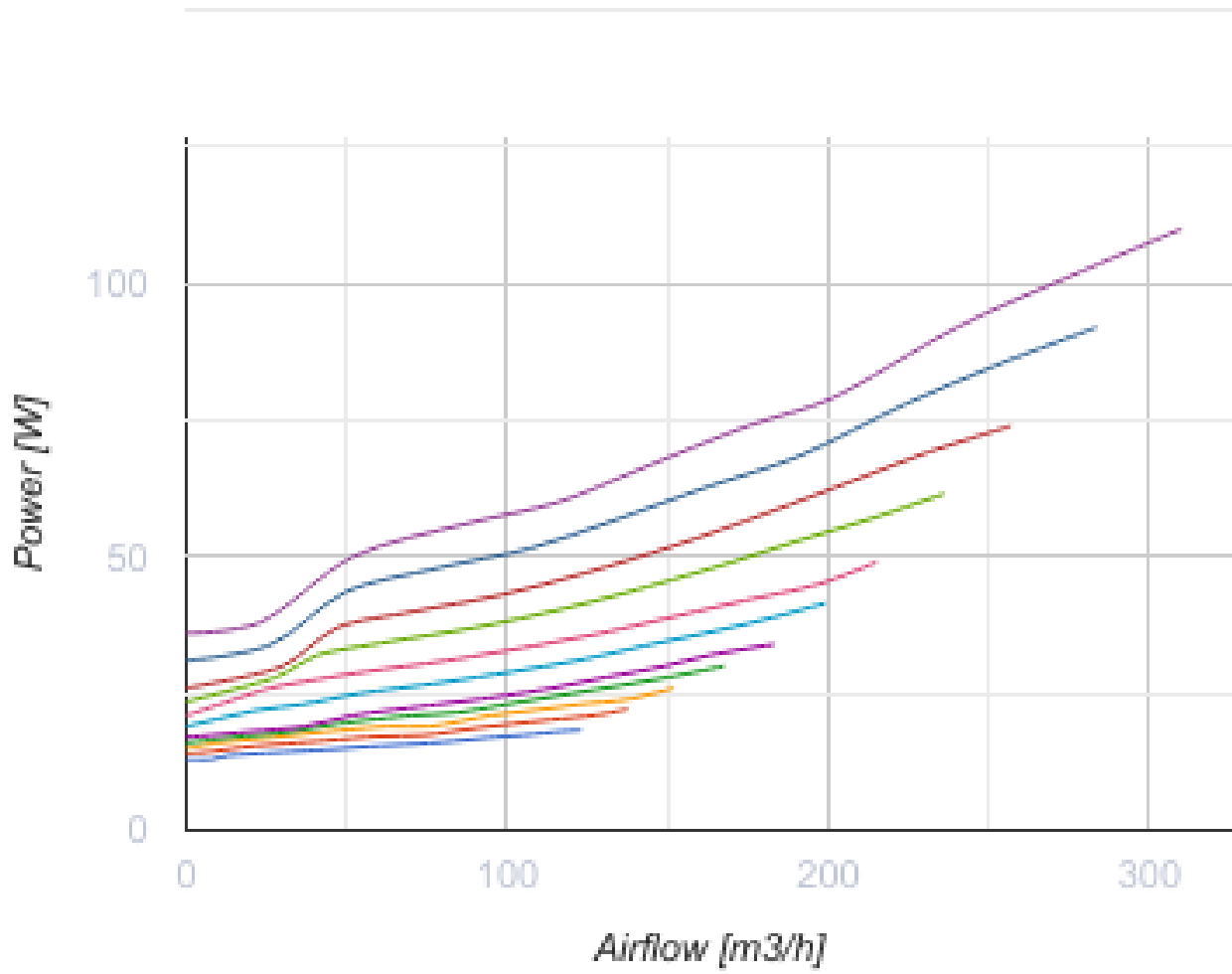


- Power of electrical reheater: 700
- Maximum airflow: 310
- Sound pressure level LpA at 3 m: 21
- Heat exchanger type: Rotary
- Extract filter: G4
- Supply filter: G4, F7 (option: H13)
- Sound insulation
- Motor type: EC
- Reheater: Electric
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Galvanized steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	KOMFORT Roto EC DE 250 R S21
Connected air duct size	mm	160
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	135
Power of electrical reheater	W	700
Unit current	A	4.1
Maximum airflow	m ³ /h	310
Sound pressure level LpA at 3 m	dB(A)	21
Heat recovery efficiency, max	%	87
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	56
Extract filter	-	G4
Supply filter	-	G4, F7 (option: H13)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1

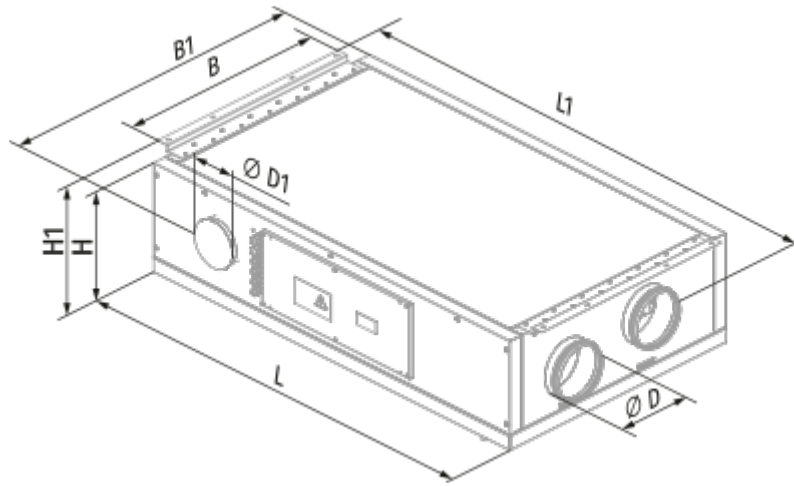
Ambient air temperature max	°C	40
Ambient air humidity max	%	80
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44



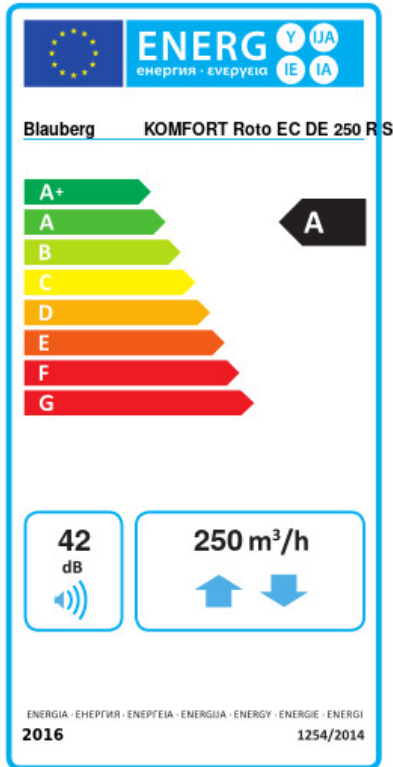


Dimensions

Ø D	Ø D1	B	B1	H	H1	L	L1
160	125	643	688	308	345	1003	1100



Ecodesign




Trademark	Blauberg					
Model	KOMFORT Roto EC DE 250 R S21					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	84.2	A+	41.5	A	17	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	79					
Maximum flow rate (m ³ /h)	250					
Electric power input (W)	95					
Reference flow rate (m ³ /s)	0.049					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m ³ /h))	0.24					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	42					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	127		127		127	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8736		4466		2019	




Accessories

Other accessories


Name	Photo	Description
FP 260x220x48 G4		G4 panel filter

FP 260x220x48 F7		F7 panel filter
FP 260x220x48 H13		


Control Panels

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

Humidity sensors

Name	Photo	Description
FS2		Humidity sensor

Other accessories

Name	Photo	Description
DAH 251-13		Kitchen exhaust hood

For round ducts

Name	Photo	Description
VRV 160		Backdraft dampers with spring for round ducts
VKA 160		Air dampers for round ducts