

KOMFORT EC DBE 550 R S21 DTV

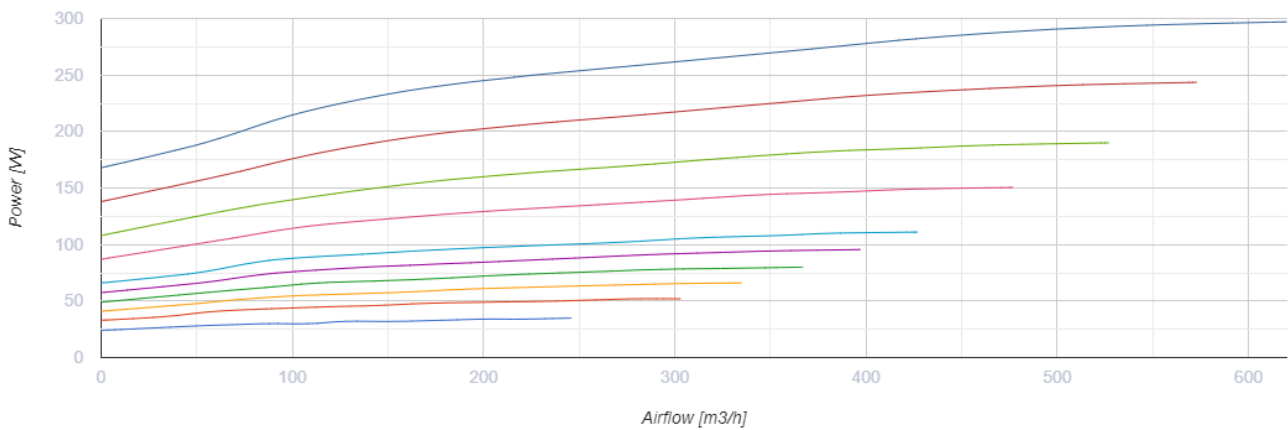
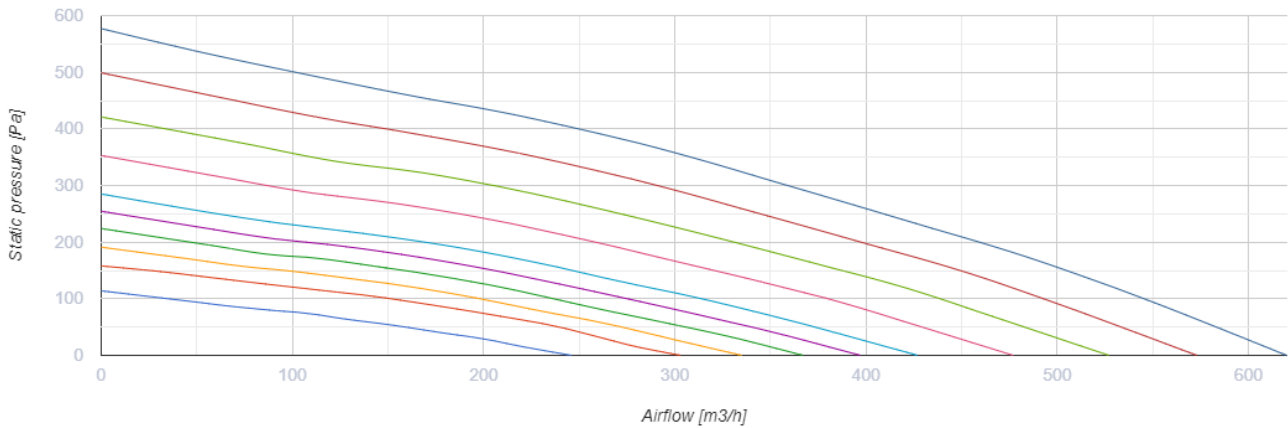
Suspended heat recovery air handling units



- Power of electrical reheater: 2000
- Maximum airflow: 608
- Sound pressure level LpA at 3 m: 30
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (опция: F7), G4 (F7 option)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Electric
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Galvanized steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

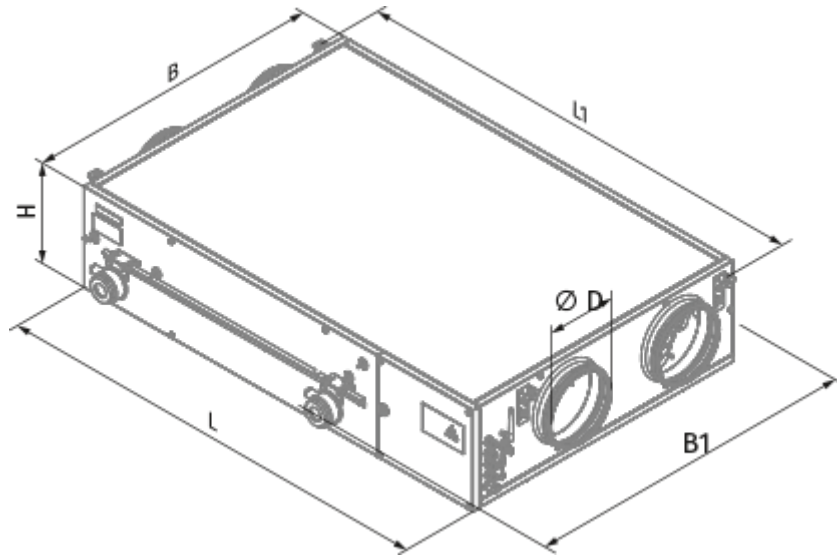
| | Unit of measurement | KOMFORT EC DBE 550 R S21 DTV |
|-----------------------------------|---------------------|--------------------------------|
| Connected air duct size | mm | 200 |
| Speed | - | 1 |
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Rated power | W | 322 |
| Power of electrical reheater | W | 2000 |
| Unit current | A | 11.1 |
| Maximum airflow | m ³ /h | 608 |
| Sound pressure level LpA at 3 m | dB(A) | 30 |
| Heat recovery efficiency, max | % | 90 |
| Heat exchanger type | - | Counter flow |
| Heat exchanger material | - | Polystyrene |
| Weight | kg | 67 |
| Extract filter | - | G4 |
| Supply filter | - | G4 (опция: F7), G4 (F7 option) |
| 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 | - | IP22 |
| Ingress protection rating of the drive | - | IP44 |

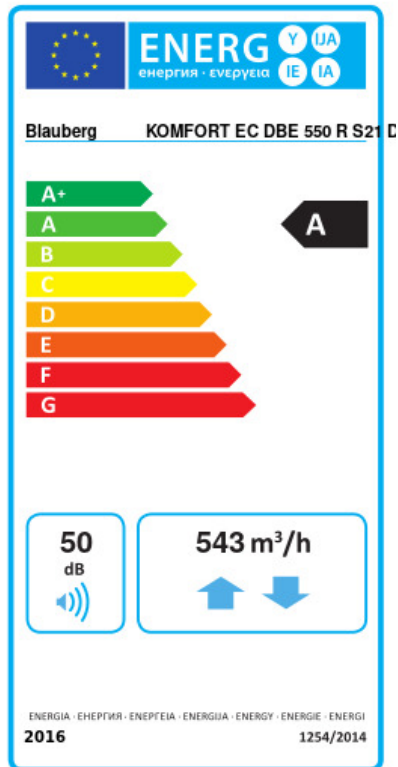


Dimensions

| Ø D | B | B1 | H | L | L1 |
|-----|-----|-----|-----|------|------|
| 200 | 827 | 960 | 280 | 1238 | 1291 |



Ecodesign



| | | | | | | |
|---|------------------------------|----|---------|---|------|---|
| Trademark | Blauberg | | | | | |
| Model | KOMFORT EC DBE 550 R S21 DTV | | | | | |
| Specific energy consumption (SEC) (kWh/(m ² /a)) | Cold | | Average | | Warm | |
| | 78.2 | A+ | 40.4 | A | 16.2 | E |
| Type of ventilation unit | Bidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | Recuperative | | | | | |
| Thermal efficiency of heat recovery (%) | 81 | | | | | |
| Maximum flow rate (m ³ /h) | 543 | | | | | |
| Electric power input (W) | 322 | | | | | |
| Reference flow rate (m ³ /s) | 0.106 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m ³ /h)) | 0.316 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum internal leakage rates (%) | 2.7 | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Sound power level (dB(A)) | 50 | | | | | |
| Declared typology | RVU BVU | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 749 | | 212 | | 167 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 8817 | | 4507 | | 2038 | |




Accessories

Other accessories

| Name | Photo | Description |
|-------------------|-------|-----------------|
| FP 782x128x20 G4 | | G4 panel filter |
| FPT 392x236x27 G4 | | |

FPT 392x236x27 F7



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 |


CO2 sensors



| Name | Photo | Description |
|----------------------|---|-------------|
| CD-1 |  | CO2 sensors |
| CD-2 |  | CO2 sensors |

Other accessories


| Name | Photo | Description |
|----------------------------|---|----------------------|
| DAH 251-13 |  | Kitchen exhaust hood |

Electrical heaters




| Name | Photo | Description |
|---------------------------------------|---|--|
| EVH 200-1.2-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |

| | | |
|---------------------------------------|---|--|
| EVH 200-1.7-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |
| EVH 200-2.0-1 S21 V.2 |  | Electric duct preheater for heat exchanger freeze protection |

Condensation drainage

| Name | Photo | Description |
|---------------------------|---|--|
| SFK 20x32 |  | Hydraulic syphon for condensate drainage |


For round ducts

| Name | Photo | Description |
|-----------------------------|---|---------------------------|
| SD 200/600 |  | Silencers for round ducts |
| SD 200/900 |  | Silencers for round ducts |
| SD 200/1200 |  | Silencers for round ducts |

For round ducts

| Name | Photo | Description |
|-------------------------|---|---|
| VRV 200 |  | Backdraft dampers with spring for round ducts |
| VKA 200 |  | Air dampers for round ducts |

Electric actuators

| Name | Photo | Description |
|------------------------------|---|--------------------|
| Belimo TF230 |  | Electric actuators |