



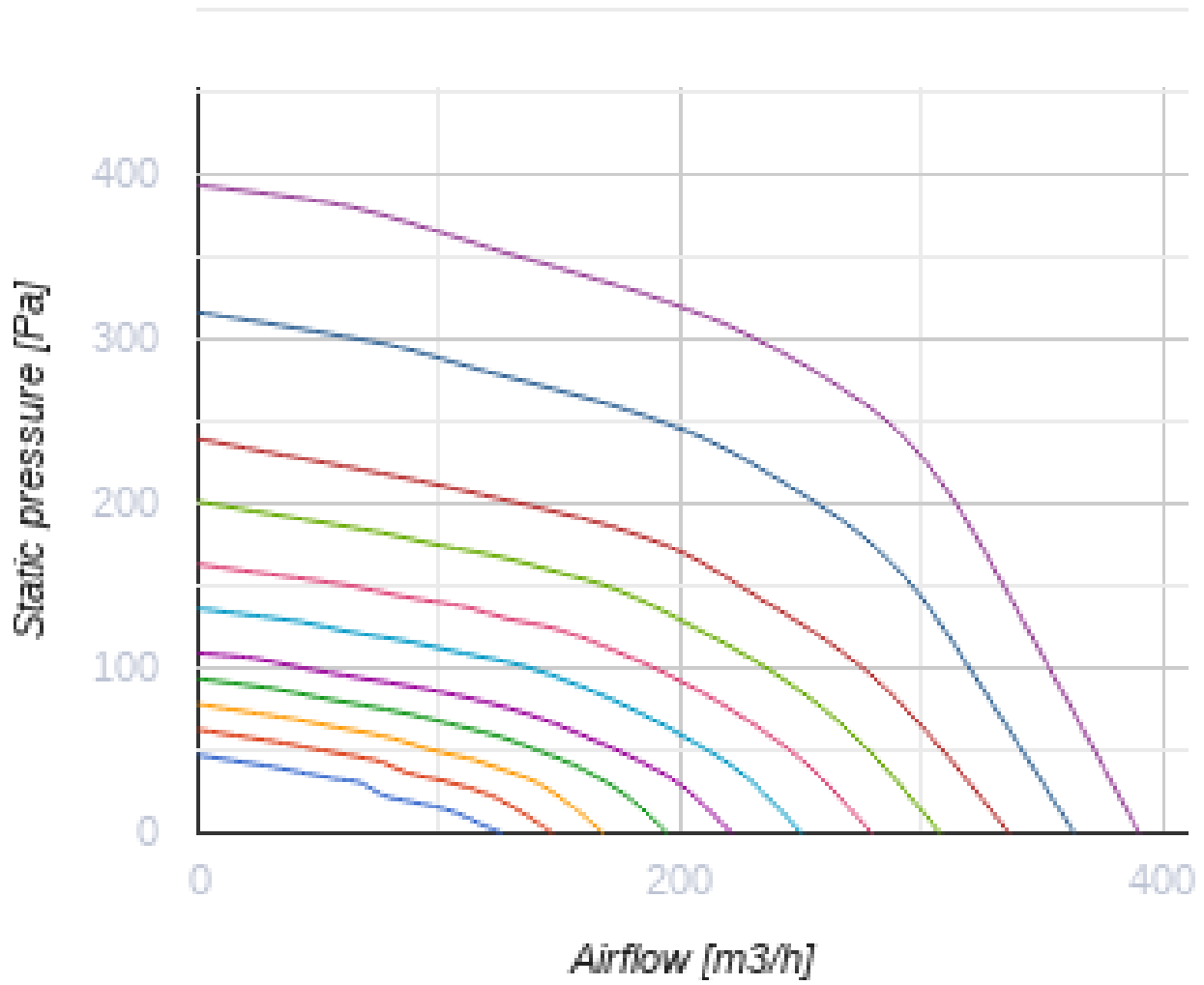
# KOMFORT EC SB 250-E R S14

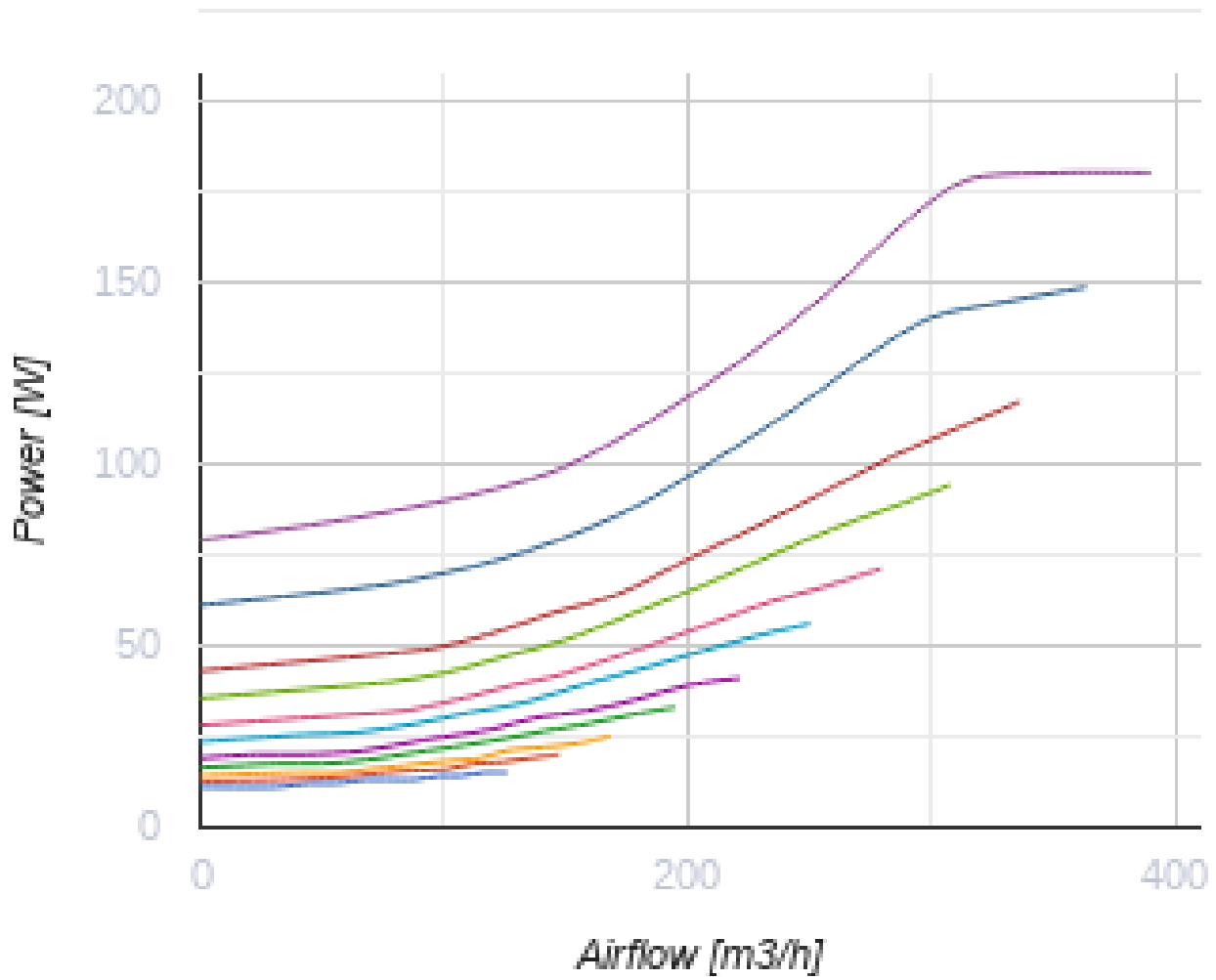
Heat and humidity recovery air handling units

- Sound pressure level LpA at 3 m: 35
- Heat exchanger type: Counter flow
- Heat exchanger material: Enthalpy
- Extract filter: G4
- Supply filter: G4 (option: F7)
- Sound-insulated casing
- Enthalpy heat exchanger
- Bypass: Manual
- Control: Wired control panel
- Casing material: Coated steel
- CO2 sensor: Optional

|                                   | Unit of measurement | KOMFORT EC SB 250-E R S14 |
|-----------------------------------|---------------------|---------------------------|
| Connected air duct size           | mm                  | 160                       |
| Phases                            | -                   | 1                         |
| Minimum supply voltage            | V                   | 230                       |
| Maximum supply voltage            | V                   | 230                       |
| Power supply frequency            | Hz                  | 50/60                     |
| Rated power                       | W                   | 180                       |
| Unit current                      | A                   | 1.37                      |
| Maximum airflow                   | m <sup>3</sup> /h   | 390                       |
| Sound pressure level LpA at 3 m   | dB(A)               | 35                        |
| Heat recovery efficiency, max     | %                   | 90                        |
| Heat exchanger type               | -                   | Counter flow              |
| Heat exchanger material           | -                   | Enthalpy                  |
| Weight                            | kg                  | 66                        |
| Extract filter                    | -                   | G4                        |
| Supply filter                     | -                   | G4 (option: 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                      |

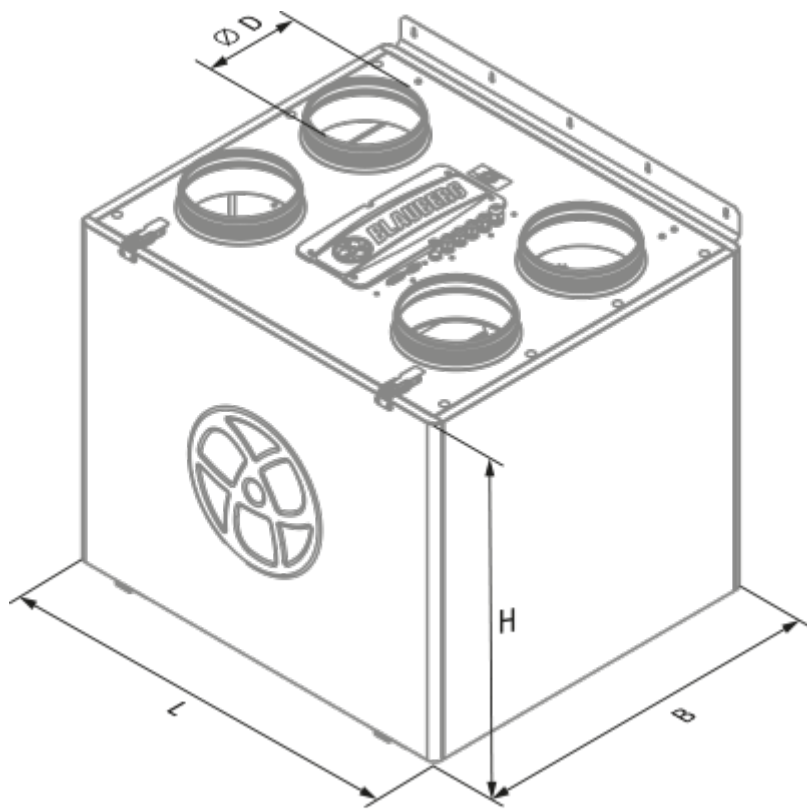
|  |   |         |
|--|---|---------|
| Ingress protection rating of the drive | - | IP44    |
| Article                                | - | 8094118 |



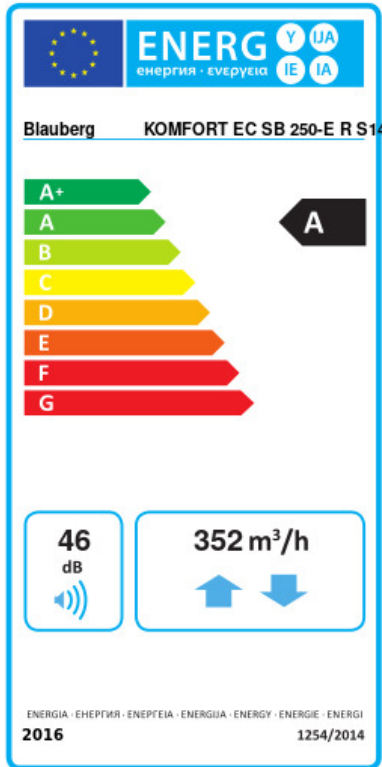


## Dimensions

| ØD  | B   | H   | L   |
|-----|-----|-----|-----|
| 160 | 560 | 970 | 560 |



## Ecodesign



|   |                           |    |         |   |       |   |
|---|---------------------------|----|---------|---|-------|---|
| Trademark   | Blauberg                  |    |         |   |       |   |
| Model   | KOMFORT EC SB 250-E R S14 |    |         |   |       |   |
| Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a)) | Cold                      |    | Average |   | Warm  |   |
|   | -78.5                     | A+ | -41     | A | -16.8 | E |
| Type of ventilation unit                                    | Bidirectional             |    |         |   |       |   |
| Type of drive installed                                     | Variable speed            |    |         |   |       |   |
| Type of heat recovery system                                | Recuperative              |    |         |   |       |   |
| Thermal efficiency of heat recovery (%)                     | 80                        |    |         |   |       |   |
| Maximum flow rate (m <sup>3</sup> /h)                       | 352                       |    |         |   |       |   |
| Electric power input (W)                                    | 180                       |    |         |   |       |   |
| Reference flow rate (m <sup>3</sup> /s)                     | 0.068                     |    |         |   |       |   |
| Reference pressure difference (Pa)                          | 50                        |    |         |   |       |   |
| Specific power input (SPI) (W/(m <sup>3</sup> /h))          | 0.261                     |    |         |   |       |   |
| Control typology  | Local demand control      |    |         |   |       |   |
| Maximum internal leakage rates (%)                          | 2.7                       |    |         |   |       |   |
| Maximum external leakage rates (%)                          | 2.7                       |    |         |   |       |   |
| Declared typology   | RVU BVU                   |    |         |   |       |   |
| Sound power level (dB(A))                                   | 46                        |    |         |   |       |   |
| The annual electricity consumption (AEC) (kWh/a)            | Cold                      |    | Average |   | Warm  |   |
|   | 720                       |    | 183     |   | 138   |   |
| The annual heating saved (AHS) (kWh/a)                      | Cold                      |    | Average |   | Warm  |   |
|   | 8776                      |    | 4486    |   | 2029  |   |

## Accessories

### For round ducts



| Name                       | Photo | Description               |
|----------------------------|-------|---------------------------|
| <a href="#">SD 160/600</a> |       | Silencers for round ducts |
| <a href="#">SD 160/900</a> |       | Silencers for round ducts |

|                             |   |                           |
|-----------------------------|---|---------------------------|
| <a href="#">SD 160/1200</a> |  | Silencers for round ducts |
|-----------------------------|---|---------------------------|


### For round ducts

| Name                    | Photo   | Description                 |
|-------------------------|---|-----------------------------|
| <a href="#">VKA 160</a> |  | Air dampers for round ducts |




### CO2 sensors

| Name                 | Photo  | Description |
|----------------------|--|-------------|
| <a href="#">CD-1</a> |   | CO2 sensors |
| <a href="#">CD-2</a> |  | CO2 sensors |

### Humidity sensors

| Name                | Photo   | Description     |
|---------------------|---|-----------------|
| <a href="#">FS2</a> |  | Humidity sensor |

### Other accessories

| Name             | Photo   | Description     |
|------------------|---|-----------------|
| FP 340x170x48 F7 |  | F7 panel filter |
| FP 340x170x48 G4 |  | G4 panel filter |
| FP 500x170x48 G4 |  | G4 panel filter |

### Electric actuators

| Name                         | Photo   | Description        |
|------------------------------|---|--------------------|
| <a href="#">Belimo TF230</a> |  | Electric actuators |