



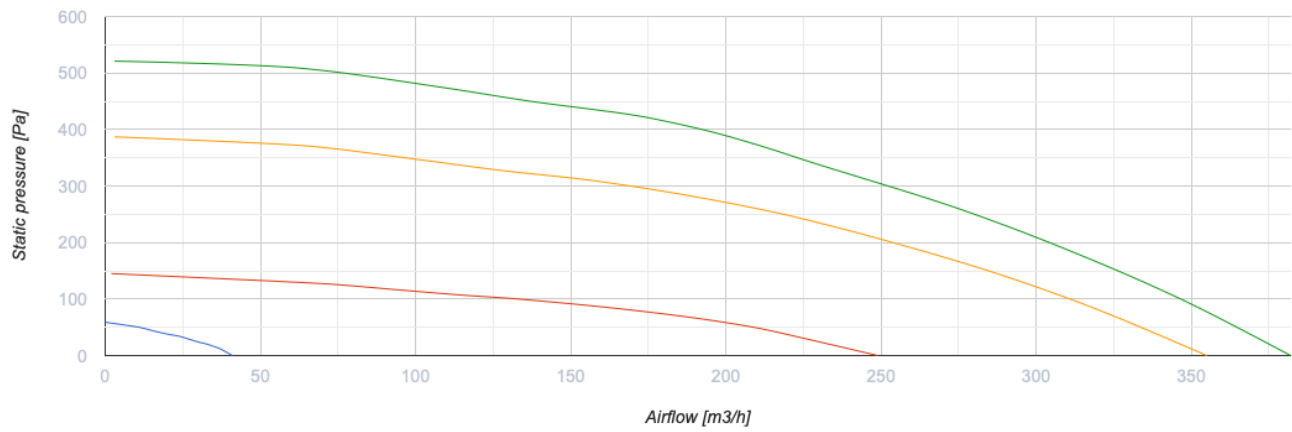
# KOMFORT Roto EC S 281-E R S21

Air handling units with rotary heat exchanger

- Maximum airflow: 382
- Sound pressure level LpA at 3 m: 28
- Heat exchanger type: Sorption rotary
- Extract filter: G4 / Coarse > 60%
- Supply filter: G4 / Coarse > 60% (option F7 / ePM1 60%), G4 / Coarse > 60% (опция F7 / ePM1 60%)
- Sound insulation
- Motor type: EC
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

|                                   | Unit of measurement | KOMFORT Roto EC S 281-E 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                   | 176   |
| Unit current                      | A                   | 1.34  |
| Maximum airflow                   | m <sup>3</sup> /h   | 382   |
| Sound pressure level LpA at 3 m   | dB(A)               | 28  |
| Heat recovery efficiency, max     | %                   | 86  |
| Heat exchanger type               | -                   | Sorption rotary   |
| Weight                            | kg                  | 68  |
| Extract filter                    | -                   | G4 / Coarse > 60%   |
| Supply filter                     | -                   | G4 / Coarse > 60% (option F7 / ePM1 60%), G4 / Coarse > 60% (опция F7 / ePM1 60%) |
| 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

| H   | W   | L   | H1  | W1  | L1  | D   |
|-----|-----|-----|-----|-----|-----|-----|
| 588 | 598 | 515 | 638 | 397 | 209 | 160 |




## Accessories

### Control Panels

| Name                      | Photo   | Description       |
|---------------------------|---|-------------------|
| <a href="#">S25</a>       |  | LCD control panel |
| <a href="#">S22</a>       |  | Control panels    |
| <a href="#">S22 Wi-Fi</a> |  | Control panels    |

### Humidity sensors

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


### CO2 sensors

| Name                 | Photo   | Description |
|----------------------|---|-------------|
| <a href="#">CD-3</a> |   |             |
| <a href="#">CD-1</a> |  | CO2 sensors |

### Electric actuators




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

### For round ducts

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

### For round ducts

| Name | Photo | Description |
|------|-------|-------------|
|------|-------|-------------|

|                             |   |                           |
|-----------------------------|---|---------------------------|
| <a href="#">SD 160/1200</a> |  | Silencers for round ducts |
| <a href="#">SD 160/900</a>  |  | Silencers for round ducts |
| <a href="#">SD 160/600</a>  |  | Silencers for round ducts |