O₂

O₂ SUPREME

Intelligent low-noise fan
for exhaust ventilation with a Wi-Fi module
and an air quality sensor

O2 and
O2 Supreme

Intelligent low-noise fan for exhaust ventilation

Up to
140 m³/h

From
9 dBA

From
0.4 W

APPLICATION

- Extremely quiet exhaust fan with stylish design for high comfort level in shower rooms, bathrooms, kitchens and other utility spaces.
- Intelligent integrated control functions allow to adjust personal settings for the most balanced indoor climate.
- Wall or ceiling mounting.

DESIGN

- Specially designed motor and aerodynamically optimized impeller shape enable super silent operation at only 9 dBA, which is combined with high performance.
- White and black colors available.
- Due to replaceable spigots (included in the delivery set) the fan is suitable for mounting with Ø100 or Ø125 mm air ducts.
- The external motor unit is easy to remove without special tools, which grants easy servicing.
- The fan has IP44 ingress protection rating and can be installed in Zone 1 of bathrooms.

MOTOR

- Reliable motor on ball bearings only consumes 2.7 W of power even at maximum speed.
- The bearings are maintenance-free and are filled with grease for the whole motor service life.
- The motor is equipped with overheating protection.

CONNECTION TO POWER MAINS

- The power cable can be inserted into the fan from the back or from the top.
- The fan is equipped with an integrated on/off power slide switch for quick disconnection from power mains.
- The fan is rated for connection to 100-240 V, 50/60 Hz power mains. The fan can also be connected to 12 V DC power supply through a separate inlet.

O2 operation modes

The operation mode for O2 fans can be set up using a multiposition switch.

Mode 1

The fan operates in permanent ventilation mode at a speed of 20 m³/h; if the motion and lighting sensors are triggered, its speed changes to 60 m³/h or to 90 m³/h if the humidity sensor is triggered.

Mode 2

The fan operates in permanent ventilation mode at a speed of 40 m³/h; if the motion sensor or light sensor is triggered, its speed changes to 60 m³/h or to 90 m³/h if the humidity sensor is triggered.

Mode 3

The fan operates in permanent ventilation mode at 40 m³/h; if the humidity sensor is triggered, it operates at 115 m³/h.

Mode 4

The fan operates in permanent ventilation mode at a speed of 60 m³/h; if the humidity sensor is triggered, it operates at 115 m³/h.

Mode 5

The fan operates in standby mode; if the motion or lighting sensor is triggered, it turns on at a speed of 60 m³/h, if the humidity sensor is triggered — at 90 m³/h.

Mode 6

The fan operates in interval ventilation mode (for 30 minutes every 12 hours) at 20 m³/h; if the motion or lighting sensor is triggered, its speed changes to 60 m³/h, if the humidity sensor is triggered — at 90 m³/h.

Mode 7

The fan is in standby mode; if the temperature sensor is triggered, its speed changes to 90 m³/h; the fan starts at the temperature of 28 °C and stops at 24 °C.

Mode 8

The fan is in standby mode; it starts at 115 m³/h if the humidity sensor is triggered.

HUMIDITY SENSOR

- The fan automatically selects the trigger threshold for the humidity sensor and only responds to sudden change in the indoor humidity level, ignoring seasonal humidity fluctuations.

TIMER

- Turn-off delay timer is designed to prolong the fan operation for 15 minutes in the mode caused by a triggered sensor or activating Boost mode.

O2 Supreme operation modes

The operation mode for O2 Supreme fans can be selected using a smartphone.

Standby

The fan motor does not rotate, the rotation is activated by a signal from a sensor.

24 hours

The fan operates at low speed for 24 hours. If the sensor signal is received, the fan switches to the speed, adjusted to match the sensor triggering. The "24 hours" mode speed can be adjusted within the range of 20/40/60 m³/h.
Do not disturb – allows to set up the time interval when the sensors will not be active.

Automatic interval ventilation – this mode allows to ventilate the room every 12 hours for 30 minutes at the set speed of 20, 40 or 60 m³/h.

Max (Boost Mode)

The fan runs at the maximum speed for the duration set on the turn-off delay timer.

Humidity sensor

The fan has an integrated intelligent humidity sensor with the following operation modes:
Manual mode enables setting the humidity level in the range from 40 % to 80 %.
Auto – the fan automatically selects the trigger threshold for the humidity sensor and only responds to sudden change in the indoor humidity level, ignoring seasonal humidity fluctuations.

Motion sensor

The fan switches to the selected speed if motion is detected in the room. The sensor has a trigger delay of 30 s to ignore short-term room visits.

Lighting sensor

The fan switches to the selected speed if sudden change in lighting level in the room is detected. Smooth daily lighting changes are ignored.

Air quality sensor

Manual mode – enables you to set the air quality sensor sensibility level. If the air pollution level exceeds the preset level, the fan switches to the set speed.
Auto – the fan automatically selects the trigger threshold for the air quality sensor and only responds to sudden change in the indoor air quality.
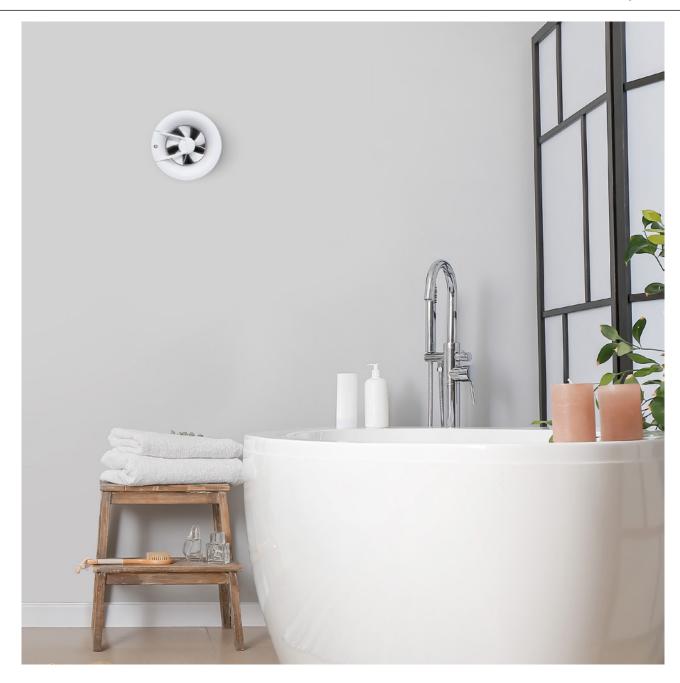
Timer

Turn-off delay timer is designed to prolong the fan operation for 0, 15 or 30 minutes in the mode caused by a triggered sensor or activating Boost mode.
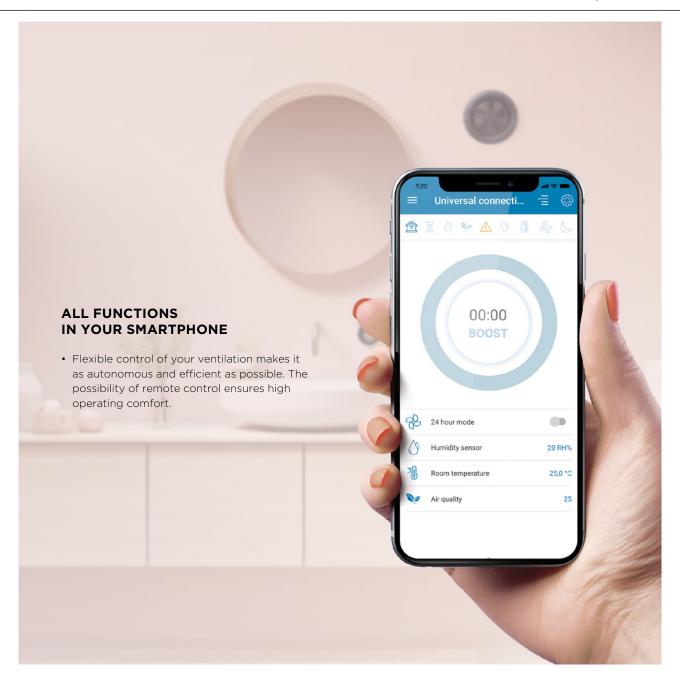
Temperature sensor

Designed for fan operation in heat moving mode. The sensor is triggered if the indoor air temperature reaches 28 °C and turns off at 24 °C.

ALL FUNCTIONS
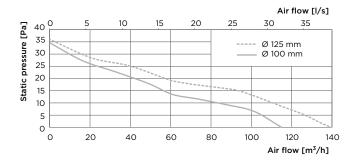## IN YOUR SMARTPHONE

- Flexible control of your ventilation makes it as autonomous and efficient as possible. The possibility of remote control ensures high operating comfort.

TECHNICAL DATA

Model		
Spigot daimeter [mm]	100	125
Frequency [Hz]	50-60	
Voltage [V]	100-240	
Power consumption [W]	2.7	2.9
Current [A]	0.038	0.04
Air flow [m³/h]	115	140
Air flow [l/s]	32	39
SFP [W/l/s]	0.08	0.07
Sound pressure level [dB(A)]	27	28
IP	IP44 (Zone 1)	

* The sound pressure level is measured at 3 m away from the fan in free space.

AERODYNAMIC CHARACTERISTICS

OVERALL DIMENSIONS [mm]

Ø 114.5
Ø 192.2

21.5   55

ACCESSORIES

RSK 100
RSK 125

RTR 100/0.35-0.5
RTR 125/0.35-0.5

Decor S 137*137/102HK
Decor S 167*167/122HK

Decor 155x155H
Decor 185x185H

Decor 155x155s
Decor 185x185s

7