

ifan

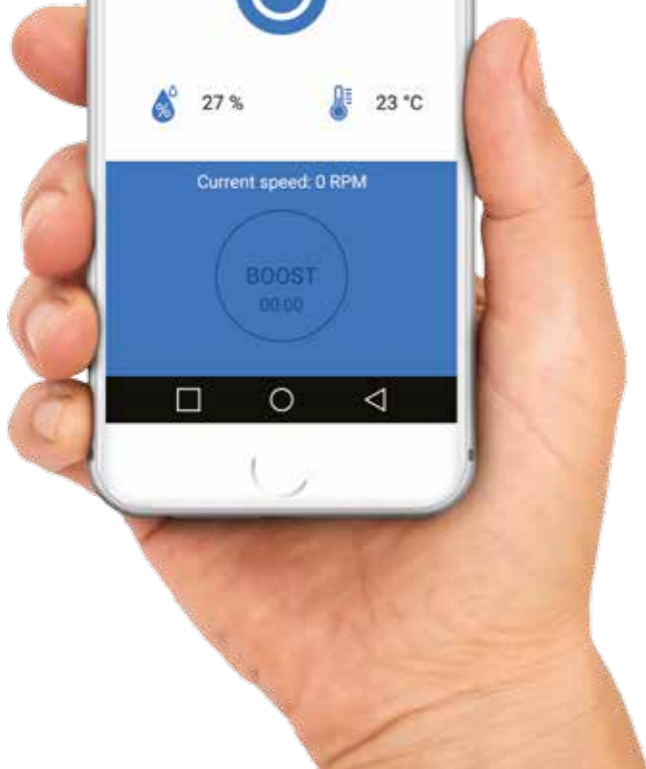


Intelligent
axial fan for
exhaust ventilation

1.6
W

133
m³/h

17
dBA



Modifications



Model with intelligent humidity control and automatic heat distribution.



Model with intelligent humidity control, automatic heat distribution and extra motion sensor control.

Application

Innovative extract fan with stylish design for new comfort level in shower rooms, bathrooms, kitchens and other residential premises.

Intelligent integrated control functions allow adjusting personal settings for the most balanced microclimate.

Design

Unique motor design and aerodynamic impeller profile ensure the minimum noise level of only 17 dBA whereas the air capacity remains high.

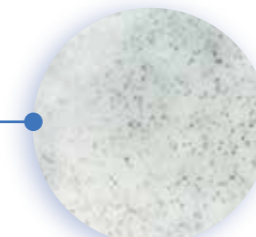
Front panel 3D design and rich colour palette of replaceable decorative panels give zest to the most refined interior.

Due to replaceable spigots the fan is suitable for mounting with Ø 100 or Ø 125 mm air ducts.

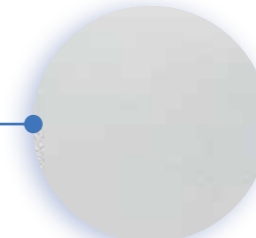
The motor-impeller block is easy to remove without special tools which grants easy servicing.

The fan has an ultra-thin casing with its thickness only 29 mm without a spigot.

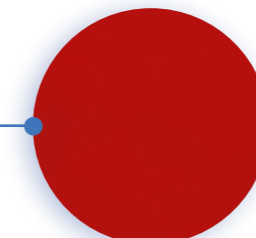
The fan is equipped with an integrated on/off power slide switch for quick disconnection from power mains.



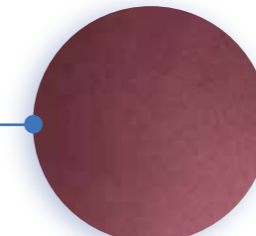
Melange



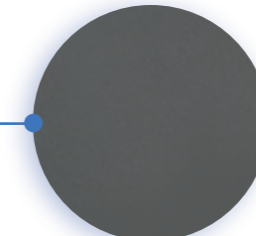
Silver



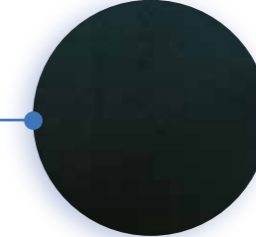
Ruby star



Violet Topaz



Graphite



Black Sapphire





iFan Wi-Fi

Motor

Reliable DC motor on ball bearings with minimum energy demand from 1.6 W.

The bearings are maintenance-free and are filled with grease for the motor service life.

The fan is powered through an integrated pulse power supply unit with a wide power supply range from 100 to 240 V and 50 to 60 Hz. The fan is suitable for application in various countries and has stable operation in versatile power mains.

The motor is installed on a rubber antivibration connector for vibration absorbing and silent fan operation.

The motor is equipped with overheating protection.

Operation modes

The operating mode for the iFan Wi-Fi fan can be selected using an application for Android or iOS.



24 HOURS/Permanent ventilation.

The fan operates at low speed for 24 hours. If the humidity changes or sensor signal is received, the fan switches to a higher speed.



Automatic interval ventilation.

This mode allows ventilating the room every 12 hours for 30 minutes at the set speed.



Silent. When the motion sensor or the external switch is activated, the fan switches to Silent speed. The speed can be adjusted in the range from 30 % to 100 %.



Max (Boost Mode). When the humidity sensor is activated, the fan switches to Max speed. The speed can be adjusted in the range from 30 % to 100 % of the fan maximum performance.



TIMER/Turn-on and turn-off delay timers.

The turn-on delay timer allows to delay switching to a higher speed by 2 or 5 minutes after sensor activation.

The turn-off delay timer is designed to prolong the fan operation in the mode caused by sensor triggering or Boost Mode activation, for 5, 15, 30 or 60 minutes.



Smart HUMIDITY Control/Intelligent humidity control.

The intelligent humidity control function allows the fan to independently determine the optimum humidity level depending on the season and weather. Also, the fan automatically detects humidity jumps after a shower and switches to Max speed. It is no longer necessary for the user to adjust the humidity level. Nevertheless, humidity adjustment is still available as an option for those who want to control it manually.



TEMPERATURE SENSOR/Temperature sensor.

If you need to move heat from one room to another, you can activate the temperature sensor. If the air temperature exceeds the set point, the fan will switch to Max speed and will return to the previous mode only after indoor temperature drops by 4 °C below the set point.

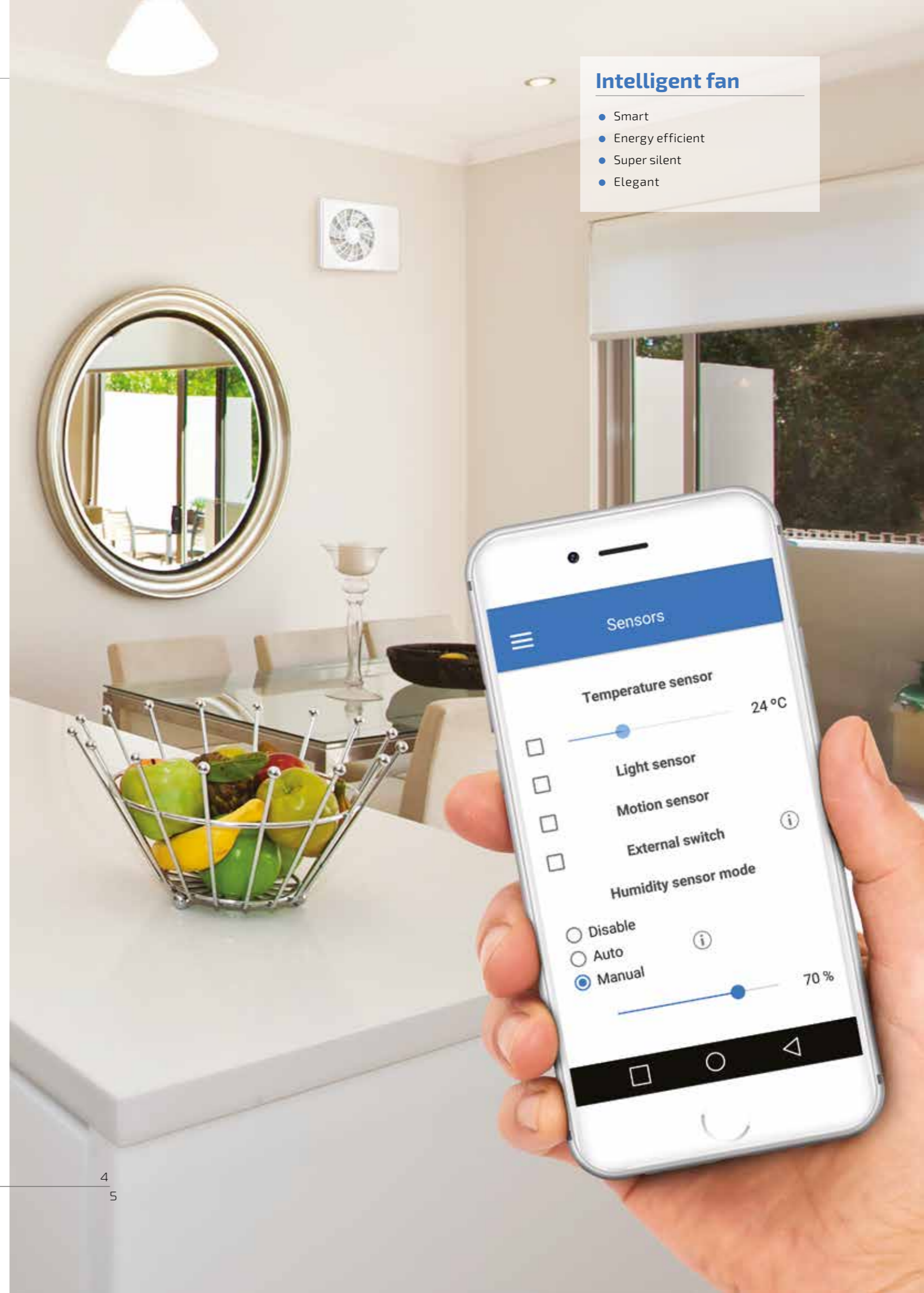


MOTION SENSOR/Motion sensor (for the iFan Move Wi-Fi model).

When the motion sensor is activated, the turn-on delay timer is switched on. Then the fan will switch to Silent speed. Once there is no motion detected, and after turn-off delay time the fan will switch to standby mode.

Intelligent fan

- Smart
- Energy efficient
- Super silent
- Elegant





Fan setup

The fan is controlled by the application on the mobile device. Scan QR codes to download the application.

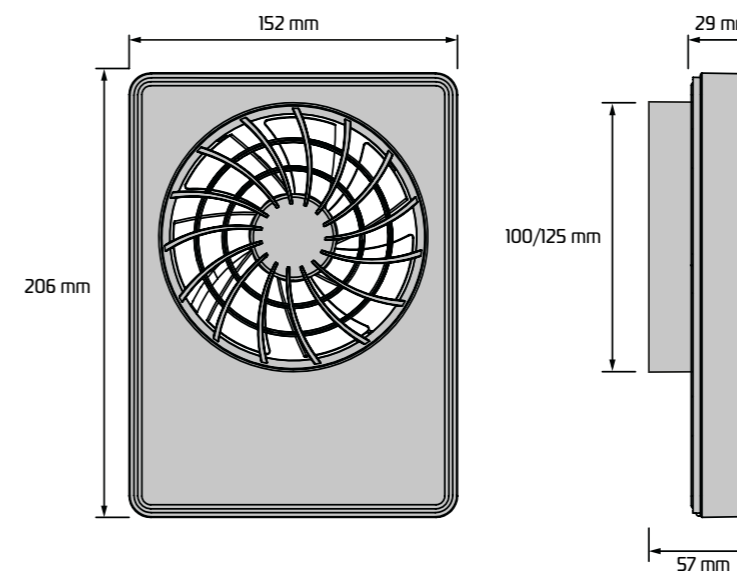


App Store download link

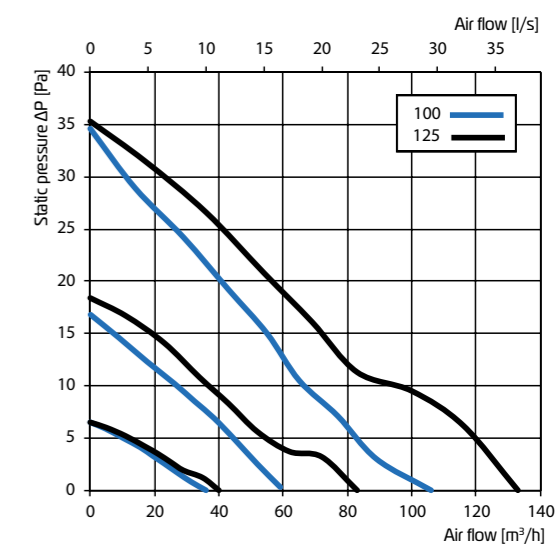


Play Market download link

Technical data



Aerodynamic characteristics



Model	iFan Wi-Fi / iFan Move Wi-Fi			Model	iFan Wi-Fi / iFan Move Wi-Fi		
Specific energy consumption (SEC) [kWh/(m².a)]	Cold -54.9 A+	Average -27.8 B	Warm -12.3 E	Duct diameter [mm]	100		125
Type of ventilation unit	One-directional			Speed	24 Hours	Silent	Max
Type of drive installed	With variable rotation frequency			Frequency [Hz]	50/60		
Type of heat recovery system	No			Voltage [V]	100-240		
Thermal efficiency of heat recovery [%]	Not applicable			Power [W]	1,6	2,9	5,6
Maximum flow rate [m³/h]	133			Current [A]	0,02	0,04	0,06
Electric power input [W]	6.00			RPM [min⁻¹]	950	1650	2150
Sound power level [dBA]	42			Maximum air flow [m³/h]	33	72	106
Reference flow rate [m³/s]	0.023			Maximum air flow [L/s]	9	20	29
Reference pressure difference [Pa]	0			Air flow control range [m³/h]	-	33...106	-
Specific power input (SPI) [W/m³/h]	0.036			Air flow control range [L/s]	-	9...29	-
Control typology	Local demand control			SFP [W/L/s]	0,17	0,14	0,19
Maximum internal leakage rates [%]	0.0			Sound pressure level at 3 m distance [dBA]	17	21	31
Maximum external leakage rates [%]	2.7			Ingress protection rating	IP44		
Mixing rate of bidirectional units [%]	0						
Airflow sensitivity at +20 Pa and -20 Pa	0.00						
The indoor/outdoor air tightness [m³/h]	0.00						
Internet address	www.ventilation-system.com						
The annual electricity consumption (AEC) [kWh electricity/a]	Cold 19	Average 19	Warm 19				
The annual heating saved (AHS) [kWh primary energy/a]	Cold 5536	Average 2830	Warm 1280				



iFan Wi-Fi



www.ventilation-system.com

05/2018