zehnder
always the best climate

Always the best climate for

A GREAT PERFORMANCE

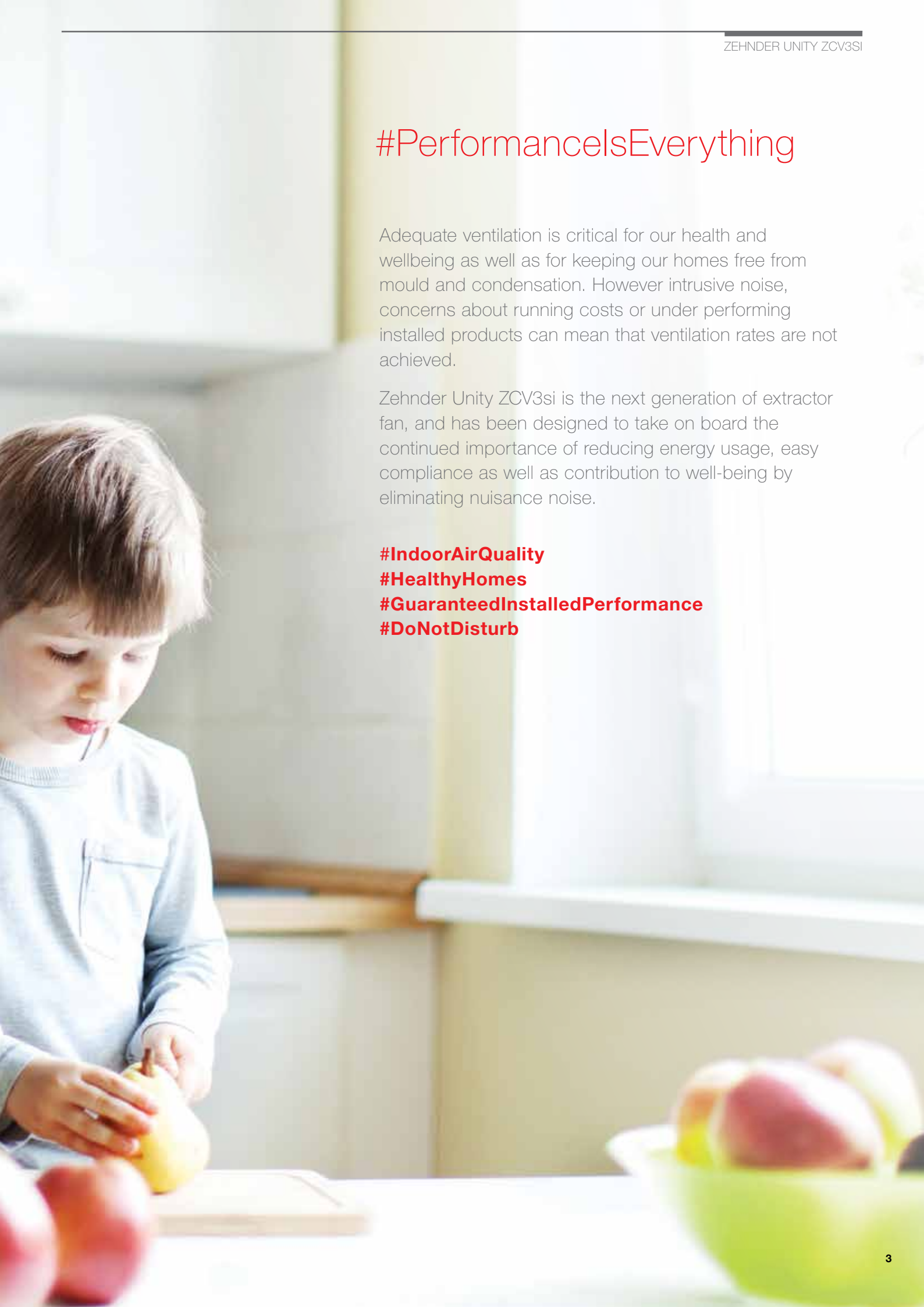
The next generation for single point extract fans: Zehnder Unity ZCV3si

#PerformanceIsEverything

Adequate ventilation is critical for our health and wellbeing as well as for keeping our homes free from mould and condensation. However intrusive noise, concerns about running costs or under performing installed products can mean that ventilation rates are not achieved.

Zehnder Unity ZCV3si is the next generation of extractor fan, and has been designed to take on board the continued importance of reducing energy usage, easy compliance as well as contribution to well-being by eliminating nuisance noise.

#IndoorAirQuality
#HealthyHomes
#GuaranteedInstalledPerformance
#DoNotDisturb



Zehnder Unity ZCV3si the next generation for single point extract fans

Low energy continuous ventilation suitable for new and existing homes.

Installed performance

For confidence of performance and easy compliance, Zehnder Unity ZCV3si has integrated airflow sensing that ensures performance from the point of installation and throughout its life.

Less nuisance noise

Nuisance noise is eliminated with running levels as low as 14.5 dB (min) and SMART sensors that ensure the fan only boosts when required. It really is as quiet as a whisper!

Also now including Do Not Disturb feature.

Less energy

The running cost for Zehnder Unity ZCV3si are very low and offers even more ventilation.

Set and forget

A range of tamper-proof settings can ensure that the fan can perform as expected, minimising user interference and ensuring effective ventilation.

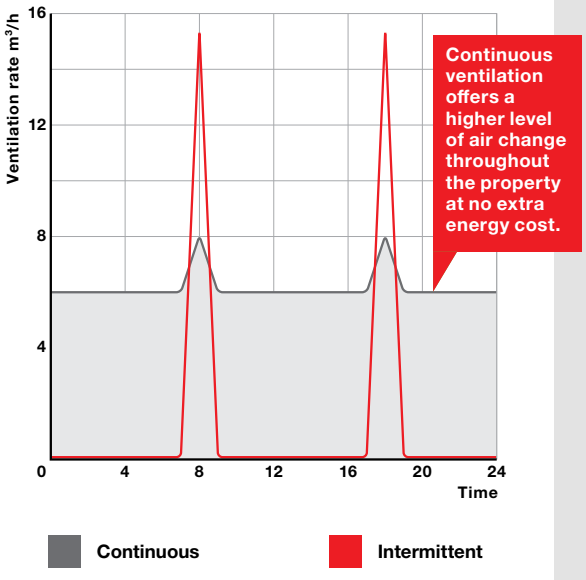
Contactless

Set-up, control and customise Zehnder Unity ZCV3si during and post installation with a simple tap of your smartphone.

INDOOR AIR QUALITY AND VENTILATION GO HAND IN HAND

DID YOU KNOW?
Continuous ventilation provides **5 times more ventilation** than intermittent - and even with low running costs.

With increasing focus on indoor air quality and improving insulation in homes, continuous ventilation offers the best option for healthy homes and elimination of mould and condensation.



One fan fits all

Featuring efficient running, “one fan fits all” – design and smart technology, the Zehnder Unity ZCV3si will only run on boost when it needs to - working specifically with the installed environment rather than operating on a generic setting.

A TOTAL SOLUTION IN ONE BOX

WHAT CAN YOU EXPECT?
Insulation levels, occupancy numbers and individual’s lifestyles all impact on the way in which homes are lived in. As a home’s efficiency levels are improved with new glazing and wall and roof insulation, ventilation becomes a crucial part of providing a comfortable life indoors.

Zehnder Unity ZCV3si is perfectly designed to deliver a total solution in one box, working in harmony with each installed environment. With an innovative 100% adjustable airflow feature, ventilation can be tailored to each home. The airflow can be easily adjusted during or post installation.

A SIMPLE TOUCH IS ENOUGH

NEW

Simple touch buttons for the easiest set-up and no mistakes.

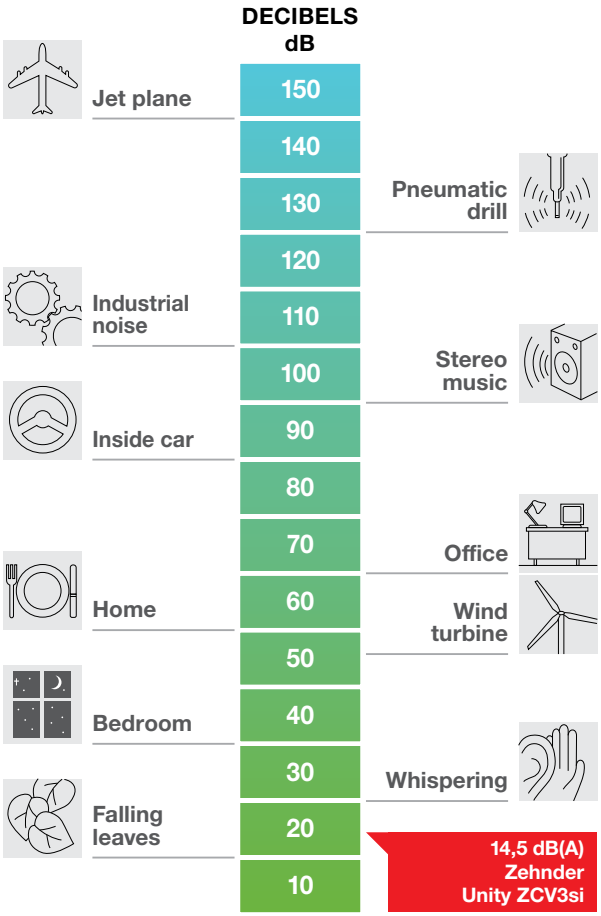
TOUCH TO SET

Zehnder Unity ZCV3si uses capacitive touch technology for quick and easy set-up on-site.

Do.Not.Disturb.

One of the main reasons that a fan in the bathroom or kitchen is turned off is because it's causing a nuisance to occupants – mainly because of noise.

Switching off fans has consequences on both the building and the health and well-being of occupants. The need for quiet and effective continuous ventilation is fundamental to eliminating issues with mould and condensation and associated indoor air quality issues.



14.5dB(A)*

That's how quiet Zehnder Unity ZCV3si is.

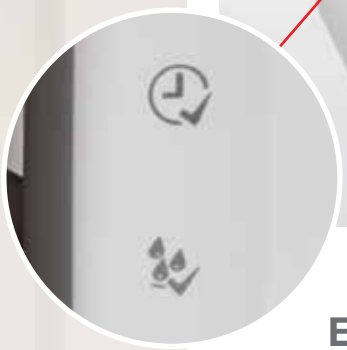
That's 10% quieter than one of the best performing fans on the market.

The quiet running speed has been achieved through a combination of innovative motor, electronics and aerodynamic impellor design.

It's all about the pitch

With continuously running fans, the pitch or frequency of the noise is often the root of nuisance noise.
Zehnder Unity ZCV3si has been designed to overcome these issues.

* noise at small bathroom speed 18 m^3/h



ELIMINATING NUISANCE NOISE WITH SMART TECHNOLOGY

Smart Timer
Smart Timing is unlike other fans that have a pre-set timer that activates even if you take a quick trip to the bathroom. Instead it looks at duration of time e.g. in for 10 minutes, overrun for 10 minutes... (and no overrun if you are less than 5 minutes).

Smart Humidity
Smart Humidity Sensing is unlike other fans that use a pre-set point to activate boost. Instead it is looking for man-made spikes in humidity – like taking a shower – to activate boost.

Eliminate unnecessary running (when it's a hot humid day) and energy wastage.

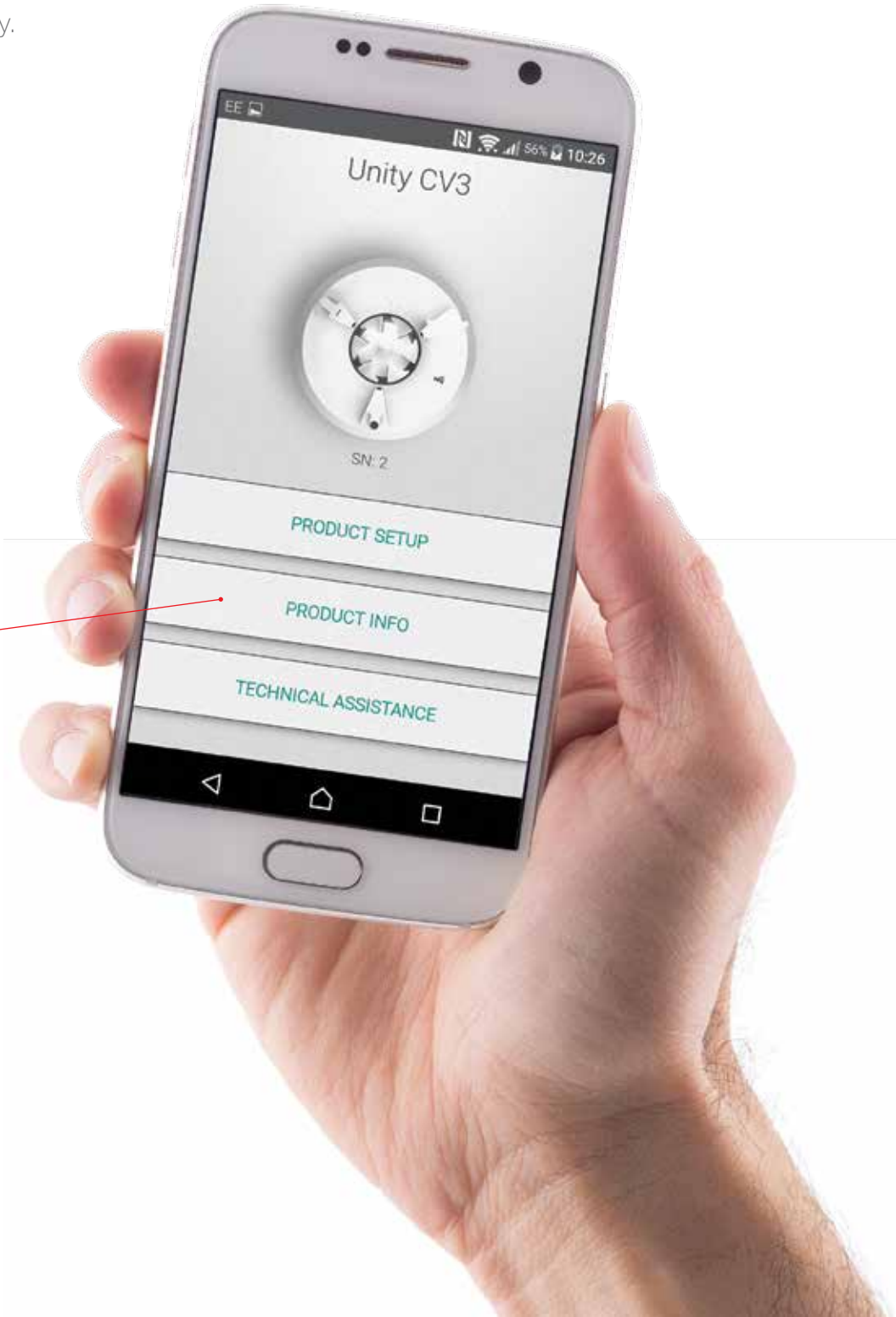
NEW

'Do Not Disturb' feature to tackle nuisance running at night. You can simply set a time frame e.g. 10pm-6am to turn off the boost function, so if you get up in the night the fan won't boost.

Tap in to

REAL TIME INFORMATION

With contactless technology, for the first time ever – you can simply transfer data (more than just time logs) from the installed fan to the phone easily.



Simply choose Product Info on the CV3 App to transfer data

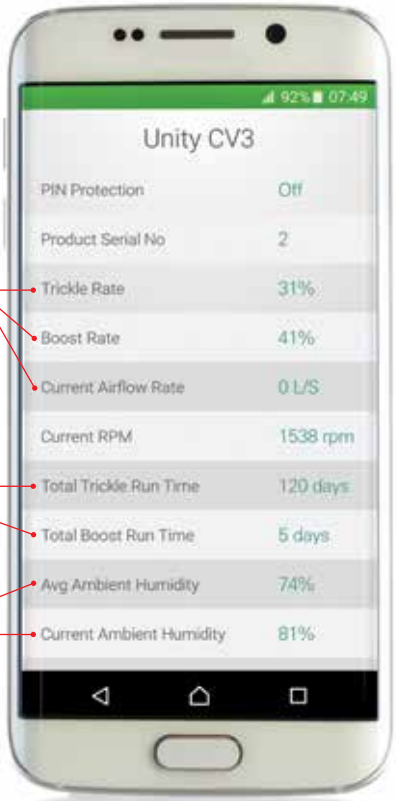
Power off cycles

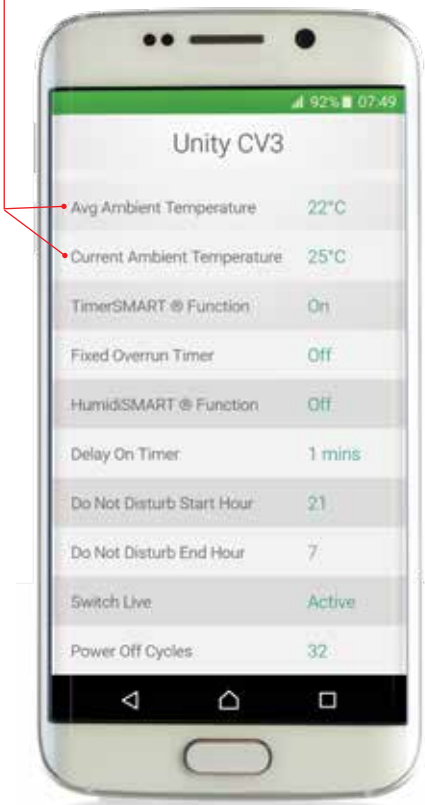
See exactly how many times the fan has been switched off. If ventilation isn't being used this could be the cause of constant mould and condensation issues.

How long has the fan been running?

See exactly what airflow the fan is set to

View current and average temperature levels from the past three months. Is Fuel Poverty an issue and contributing to condensation and damp issues?





View current and average humidity levels from the past three months. Is humidity excessively high? Do ventilation rates need to be addressed to overcome this issue?

Watch more about the CV3 Data Transfer at **international.zehnder-systems.com**

GET IT ON Google Play

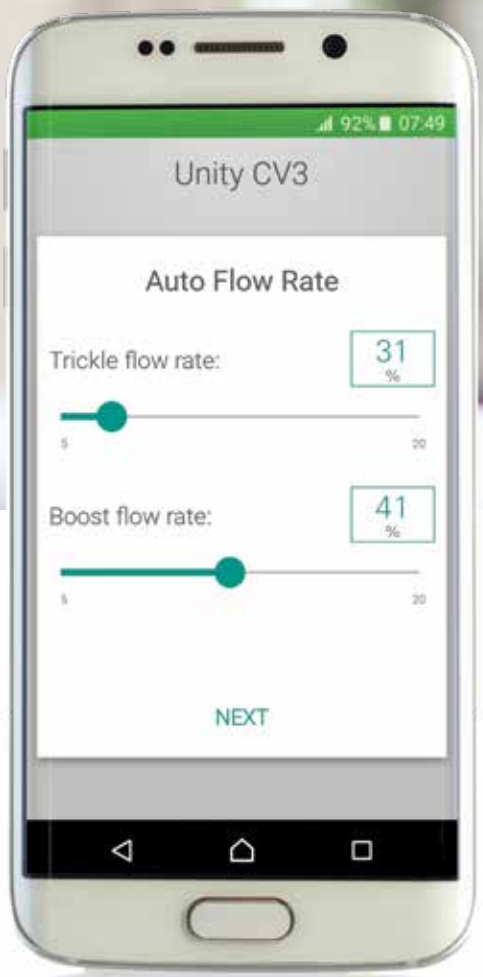
Download the CV3 App
Also on international.zehnder-systems.com

Just tap.
It's as simple as that.

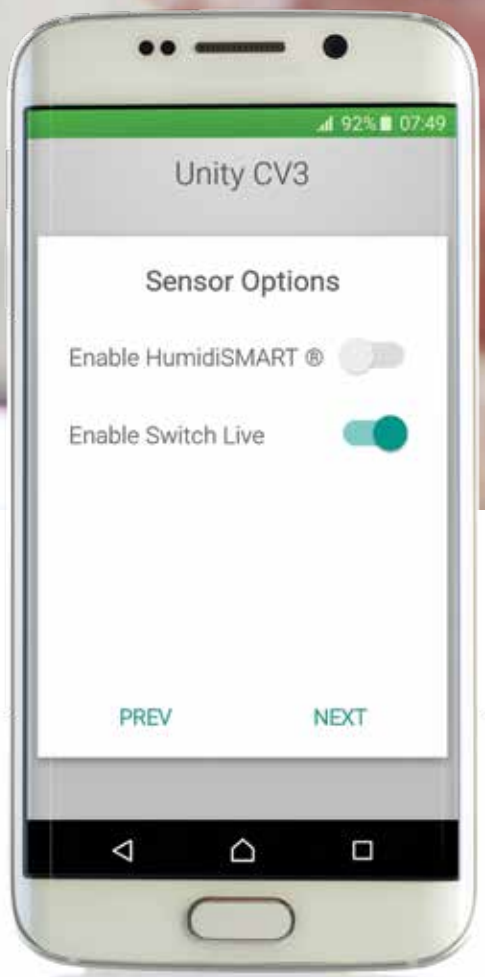
Zehnder Unity ZCV3si allows you to set-up, adjust and monitor ventilation directly from your smartphone offering a quick and simple set-up and customisation for your homes where required.

Tap to SET

At the point of installation use the CV3 App to choose your settings and then simply tap to the fan to transfer the information.



Set trickle and boost speeds.



Enable controls such as SMART Humidity Sensing to eliminate nuisance running and energy wastage.

THE ADVANTAGES OF CUSTOMISATION

Customising ventilation settings can help overcome issues and problems in homes that have costly consequences;

- Increase boost rates in problem properties where mould and condensation is constant.
- Activate Do Not Disturb where nuisance noise complaints are prevalent.

Tap to CUSTOMISE

Enjoy more features to eliminate nuisance running and ensure good levels of indoor air quality throughout the day – once complete simply tap to the fan to transfer the information.

Tailored settings ensure specific problems can be resolved quickly and with no fuss.

Brand new 'Do Not Disturb' feature to tackle nuisance running at night. You can simply set a time frame e.g. 10pm-6am to turn off the boost function.

Watch more about the CV3 Data Transfer at **international.zehnder-systems.com**

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Technical specifications

Models and control options

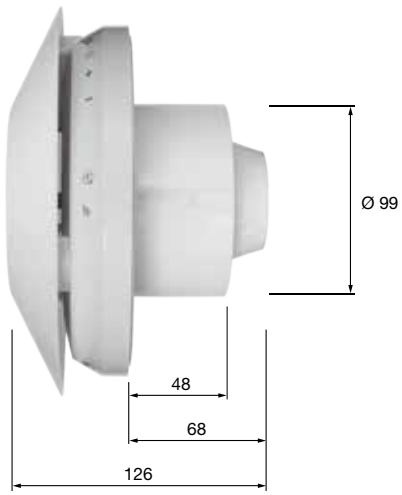
Model	Control operation	IP	Voltage
ZCV3si	Ultra Low Energy dMEV/Continuously running fan with CommissionSMART™ technology and optional SMART Humidity and Timer options set-up at installation	IPX4 Ceiling IPX5 Wall	220–240

Physical specification

Weight	0.53 kg
Materials	White satin / gloss finish ABS / PCABS / PC plastic

Installation

Wiring	Must comply with IEE Regulations
Cable	Ø 2 core 1 mm² max Ø 3 core 1,5 mm² max
Fuse	3 amp normally required (when fan is supplied from a 6A lighting circuit no local fuse is required)
Electrical specification	220–240 V, ~50 Hz, Class II
Consumption	Min 0,72 W / Max 2,1 W Up to 7 W (max variable airflow performance)



All measurements in millimetres

Performance – Free Air

Speed setting	Airflow performance (m^3/h)		Energy consumption (W)		Sound pressure level @ 3m dB(A)
	Basic ventilation	Boost ventilation	Minimum	Maximum	
Small bathrooms	18	29	0.72	2.1	As low as 14.5dB (A)
Kitchen / large bathrooms	29	47			

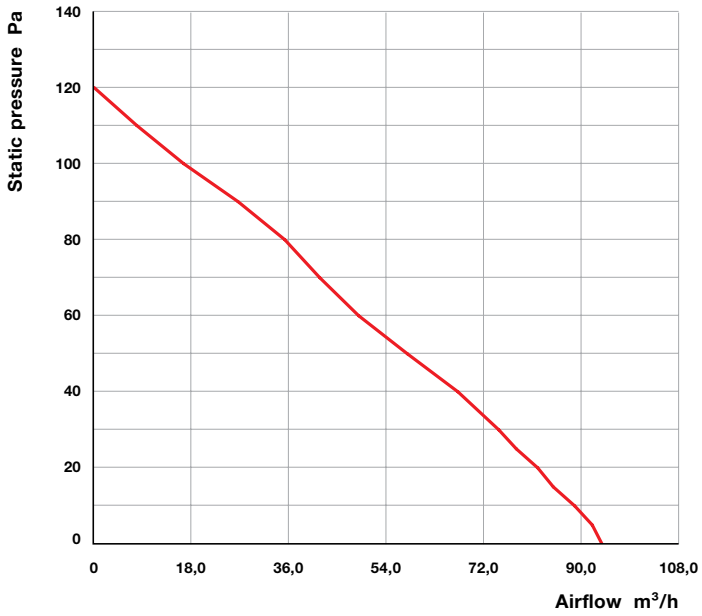
Full third party accredited data is available on request

Please Note: Flexible ducting is not recommended. If used, it must be pulled to min 90% of its entire length. Flexible ducting can also be more difficult to support and retain internal shape/size which can impact performance.

Specific Fan Performance

Airflow	With Grille	Grille / Flymesh
18 m^3/h	31%	32%
29 m^3/h	41%	43%
36 m^3/h	48%	52%
47 m^3/h	61%	65%
58 m^3/h	74%	78%

Results based on a “through wall” installation



Key

Zehnder Unity ZCV3si
100% variable setting
(via APP 5-20l/s)

* Measured in free air

ZEHNDER UNITY ZCV3si
THE NEXT GENERATION OF
CONTINOUS EXTRACT FANS

Z-SI-V0220-PBR-Extract Fan-en, subject to change without notice

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