

COMPLIES WITH
CONTINUOUS MECHANICAL
EXTRACT VENTILATION

COMPLIES TO
EUROPEAN PERFORMANCE REGULATIONS
AND COMPATIBLE REGULATIONS

3 YEAR WARRANTY

CE UK
CA MARKED

SUITABLE FOR
ZONE 1 AND 2

IPX5 RATED
WALL

IPX4 RATED
CEILING

Unity CV2.1

Regulation-ready dMEV fan

Physical specification

Weight: 0.53kg

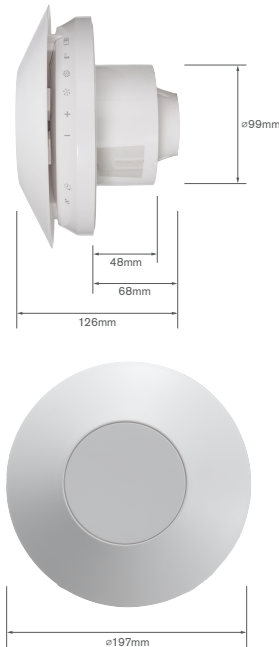
Spigot: Ø99mm

Materials:

White satin finish/gloss finish
ABS/PCABS/PC plastic

Dimensions

All measurements in millimetres unless otherwise indicated



Features and benefits

Unity CV2.1 has been tested and certified against the 2021 UK Building Regulations – giving specifiers the confidence to commission a fully functional and compliant solution into homes.

- Extension to the industry leading Unity range of extract fans
- Suitable for all installation applications, Unity CV2.1 can be applied to all wet rooms and removes the need for large ducting networks and high background ventilation requirements
- Once calibrated, the controls can be locked to avoid unnecessary changes being made to the fan's running mode. Unity CV2.1 will also remember its calibrated settings in the event of loss of power, such as a power cut or during any maintenance to the property or the unit
- Like other units in the Unity range, Unity CV2.1 can be installed in walls, windows (with a separate adaptor kit) or ceiling mounted and ducted quickly and easily, with minimal disturbances to existing infrastructure
- Using as little as 0.5 Watts, Unity CV2.1's energy performance is ideal for directly reducing carbon emissions in SAP
- Unity CV2.1's short 68mm spigot design makes it perfect for application in shallow ceiling voids
- The unique 100% variable airflow feature, conveniently achieved using the + and - buttons, offers peace of mind to installers that Building Regulation compliance can be easily achieved
- Unity's SMART technology features, including automatic humidity sensing and a logical approach to overrun timing, help to reduce heat loss and energy wastage
- Refined and sleek design helps Unity CV2.1 to blend in with its environment
- The capacitive touch pad, located on the front panel, ensures easy access and simple commissioning
- Unity CV2.1 offers ultra-quiet ventilation as low as 11dB(A) in low speed mode once installed
- Unity CV2.1 is the only dMEV on the market to be listed on the PCDB with a specific model (CV2.1CTA110) designed to be utilised with semi-rigid ductwork to reduce the chance of leakage; ideal for installations where lower running costs, lower noise levels and increased product life span is a high priority



Unity CV2.1 is a continuously running extract fan, designed to offer a simplistic approach to meet Building Regulations and provide an energy efficient domestic ventilation solution to improve indoor air quality.



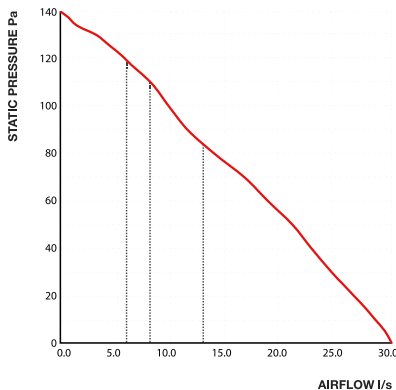
Performance - Free Air

Speed Setting	Airflow performance (l/s)		Sound pressure level @ 3m dB(A)	Energy consumption (W)	
	Bathroom (default)	Kitchen (default)		Min	Max
Low speed	6	8	As low as 11dB(A)	0.5	6.6
High speed	8	13			
Maximum speed	30	30			

Key

Unity CV2.1
100% variable setting setting

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For manual airflow volume setting



SAP Performance*

Rigid Ducting

Configuration	Location	SFP (w/l/s)
In-room	Kitchen	0.16
	Bathroom	0.12
Through-wall	Kitchen	0.13
	Bathroom	0.11

Semi-Rigid Ducting

Configuration	Location	SFP (w/l/s)
In-room	Kitchen	0.16
	Bathroom	0.12
Through-wall	Kitchen	0.13
	Bathroom	0.11

* Information extracted from the full PCDB report (previously known as SAP Appendix Q) on www.ncm-pcdb.org.uk

Models and Control Options

Model	Control operation	IP	Voltage
CV2.1	Ultra Low Energy dMEV/Continuously running fan with Greenwood CommissionSMART™ technology and optional SMART Humidity and Timer options set-up at installation	IPX4 Ceiling IPX5 Wall	220–240V
CV2.1CTA110	Ultra Low Energy dMEV/Continuously running fan with Greenwood CommissionSMART™ technology and optional SMART Humidity and Timer options set-up at installation (For use with semi-rigid ducting only)	IPX4 Ceiling	220–240V

Installation

Wiring: Must comply with IEE Regulations

Cable: Ø 2 core 1mm² max
Ø 3 core 1.5mm² max

Fuse: 3 amp normally required (when fan is supplied from a 6A lighting circuit no local fuse is required)

Electrical specification:

220–240V~50Hz Class II SELV Class III

Consumption:

Min 0.5W Max 6.6W

Product codes

CV2.1

CV2.1CTA110

Accessories

Window Kit for Unity CV2.1
Low Energy dMEV Fan - EWCV3

Picture frame adaptor for Unity dMEV fan - PFACV2

Fire Collar for ceiling fans - FIRO100.SPV

Semi-rigid ducting adapter for Unity CV2.1 Low Energy dMEV fan and Zehnder ComfoTube 110mm ducting - CTA110