

envirovent®

QURO LC

Specification Guide

SAP PCDB Listed Decentralised Mechanical Extract Ventilation Unit



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QUORO LC



Decentralised Mechanical Extract Ventilation Unit

ABOUT

The QURO LC is a decentralised mechanical extract fan with the ability to achieve set airflows, taking into account back pressure and wind, providing a high efficiency, low cost and low noise solution. The fan is SAP PCDB listed, with an SFP of down to 0.08w/l/s, and has adjustable speeds from 5l/s up to a maximum of 30l/s.

The fan is designed to be flexible, and meets the airflow requirements for a kitchen, utility, bathroom, WC and en-suite making it perfect for the new build and specification market.

The fan is suitable for use with 100mm ducting, and is unobtrusive with a low profile of only 175 x 175 x 128.5mm.

There are three models available including a standard variant with adjustable timer, adjustable timer and humidity sensor and adjustable timer, humidity sensor and pullcord options.

APPLICATION



Wall



Ceiling

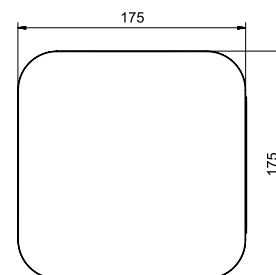
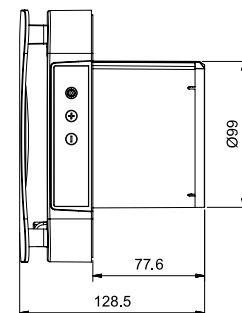
ORDER CODES

CODE(S)	DESCRIPTION
QRST-LC	Standard with adjustable timer model
QRHT-LC	Adjustable timer and humidity sensor model
QRHTP-LC	Adjustable timer, humidity sensor and pullcord.

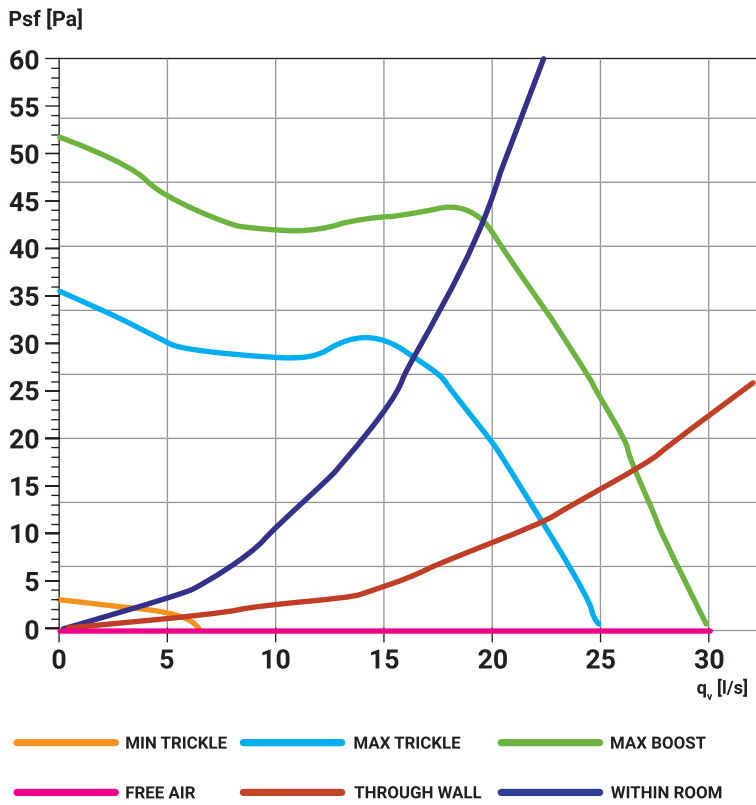
KEY FEATURES

- ✓ SAP PCDB Listed achieving a market leading low Specific Fan Power down to 0.08 W/l/s
- ✓ 30l/s maximum airflow
- ✓ Extremely low sound levels below 9 dB(A)
- ✓ Multiple trickle speed settings and boost speed settings from 5 to 30l/s
- ✓ Timer and humidity sensor models
- ✓ Suitable for use with 100mm ducting
- ✓ Side panel display
- ✓ Fitted with low watt DC motors for a maximum energy consumption of 4.5 Watts
- ✓ Automatic timer and humidity sensor and pullcord options
- ✓ 3 year warranty
- ✓ Low profile and low maintenance

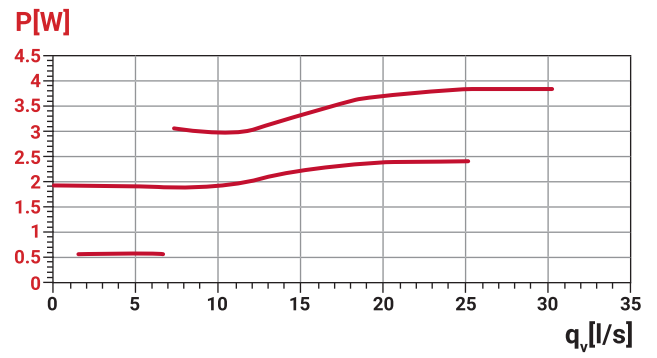
DIMENSIONS (mm)



PERFORMANCE CURVE



POWER CONSUMPTION



OPTIONS & ANCILLARIES

CODE(S)	DESCRIPTION
1RD EFWAK**	Standard wall kit
1RD GRILL 100**	Fixed louvre grille
 WH TC BR CO	Available in White, Terracotta, Brown, and Cotswold Stone. When ordering, please state which colour grille you require and replace the ** at the end of the code with one of the four colour codes

TECHNICAL DATA

MAXIMUM FLOW RATE L/S (m ³ /h)	30 (108)
MOTOR	DC
SPECIFIC FAN POWER (w/l/s)	0.08
ELECTRICAL SUPPLY	230V / 1PH / 50Hz
MAX POWER CONSUMPTION (W)	4.5
PROTECTION CLASS	IP45
SPIGOT (mm)	99 (suitable for 100mm ducting)
DIMENSIONS (mm)	175 x 175 x 128.5
WEIGHT (kg)	0.53

Link to Specification visit: envirovent.com/downloads



Link to Installation Guide visit: envirovent.com/downloads



PRODUCT CHARACTERISTICS DATABASE (SAP 10)

SYSTEMS WITH RIGID DUCTWORK (INSTALLATION ONLY)

UNIT CONFIG	LOCATION	SAP (W/l/s)
IN ROOM (DUCTED)	Kitchen	0.11
	Wetroom	0.09
THROUGH WALL	Kitchen	0.08
	Wetroom	0.08

SOUND DATA*

Speed Levels	Constant Air Volume		Sound Pressure Level - Free Air	Sound Pressure Level - Through Wall	Sound Pressure Level - Within Room
	m³/h	l/s	dB(A)	dB(A)	dB(A)
Trickle Speeds	18	5	8.8	9.3	11.2
	29	8	9.9	11.1	15.1
	40	11	13.1	14	19.3
	47	13	14.8	15.7	21.8
	58	16	20.2	19.8	25.7
Boost Speeds	72	20	21.5	21.4	30.7
	90	25	27.2	27.4	32.3
	108	30	36.1	34.7	33.2

*Testing performed to the requirements of BS EN 13141-6



CONSULTANT SPECIFICATION

QURO LC

The QURO LC is a high performance extract fan with low Specific Fan Power down to 0.08 W/l/s. The fan is suitable for wall or ceiling mounting in kitchens, WCs, bathrooms and shower rooms to meet Approved Document F: Ventilation in England and Wales, Technical Handbook for Scotland, Northern Ireland Technical Booklet, Part K. The one fan shall ventilate any domestic kitchen, utility room, bathroom or shower room and be PCDB listed for decentralised Mechanical Ventilation Equipment (dMEV).

The QURO LC offers a mixed flow fan impeller, driving performance without any nuisance running. The fan offers extremely low noise levels below 9 dB(A) at 3m distance.

The unit shall be the QURO LC as manufactured by EnviroVent.

The QURO LC is powered by a low energy, DC motor a maximum energy consumption of 4.5 Watts, supplied in a 230V format with multiple selectable trickle speeds ranging between 5 and 19l/s, and 10 selectable boost speeds of between 20 and 30l/s.

The QURO LC is available in standard with adjustable timer, adjustable timer and humidity sensor and adjustable timer, humidity sensor and pullcord models.

The unit is capable of operating continuously and has the ability to achieve set airflows through periods of wind and back pressure with two installation settings (wall or ducted) plus several trickle and boost speed options.

The unit shall enable ease of commissioning through the innovative side display, that can show total running time and well as humidity and timer details (variant depending).

The fan offers the potential to run in automatic timer or humidity sensor mode depending upon the requirements of the property.

The unit is supplied with a 3 year warranty.

envirovent®

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