

Quantum EX



NEW
MODEL



CONTINUOUS RUNNING EXTRACT VENTILATION TOP SILENT

APPLICATION

Continuous silent running extract ventilation unit, Ø100mm and Ø150mm, low consumption. Ideal for application in bathroom, toilet and small/medium premises. Suitable to extract stale air directly to the outside or through short length ducting. Unit can be wall/ panel, ceiling and window mounted.

SPECIFICATION

Casing made of high quality ABS provides long lasting, shock-proof and robust construction. The unit is finished in white RAL 9010 and is UV resistant.

Unique design **winglet-type impeller**, providing enhanced aerodynamic properties, low noise and increased efficiency.

EC brushless motor with integral thermal protection, mounted on sealed-for-life high quality ball bearings to assure a longer fan life and ideal also for cold climates.

FEATURES & BENEFITS

IPX4 protection degree.

Aesthetic flat front cover for modern interior design, easily removed for cleaning without the need of tools.

Multi-speeds, with adjustable minimum and intermediate speeds among different settings.

Low power consumption: EC motor optimised for continuous running applications (24/24h).

Extremely quiet operation for tenant's comfort.

Intelligent humidity control to increase ventilation only in response to actual variations in humidity, preventing unnecessary heat loss, energy consumption and noisy running.

Intelligent run-on timer to adapt the fan operation to the tenant's habits (the run-on period depends on the length of time the switched live connection is activated) and to assure top acoustic comfort especially at night (if switched live connection is activated for less than 3 minutes, speed does not increase).

Totally recyclable plastic components, environmentally friendly.

Double insulated: no earth connection required.

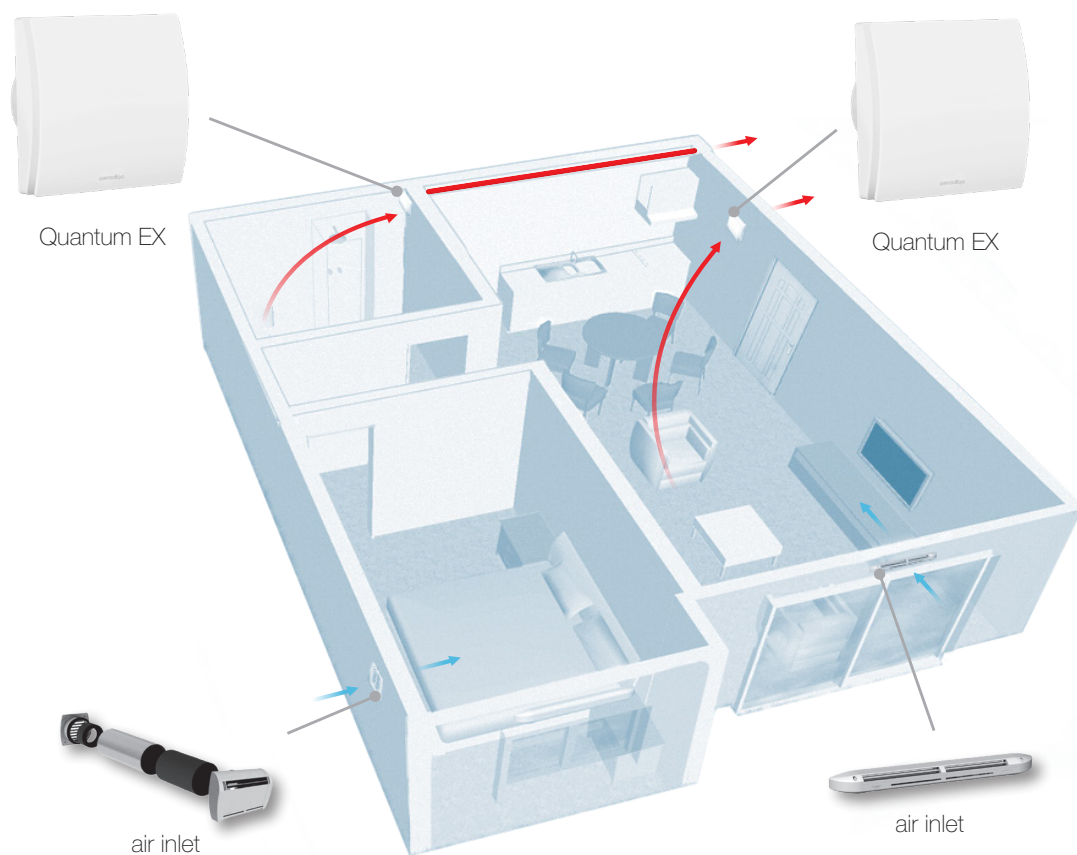
Tested to the latest standards: units are tested in the TÜV Rheinland accredited laboratory at Aerauliqa, meaning accurate, up to date information on electrical safety, performance and noise level that can be relied upon. Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).

OPERATION

The unit runs continuously at selected minimum speed. Speed automatically increases to intermediate speed if either humidistat or run-on timer is activated. Maximum speed can be activated through dedicated remote on/off switch, ambient sensor (e.g. SEN-HY or SEN-PIR), or through connection to light switch.

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Example of a complete ventilation system



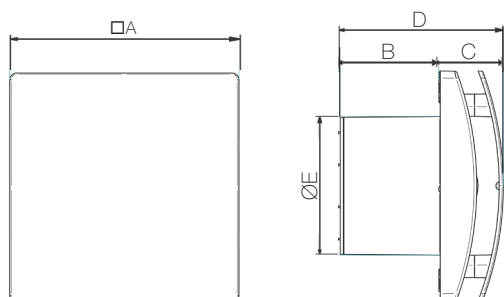
Application: ideal solution in case of renovation.

How it works: the unit (Quantum EX) continuously extracts stale air from wet rooms directly to outdoor with the highest possible acoustic comfort.

Energy saving: the EC brushless motor significantly reduces the electricity consumption.



Indoor Air Quality: a correctly specified mechanical ventilation system can ensure that indoor air quality is constantly maintained, for the health and well-being of the occupants as well as of the building.

Dimensions (mm) and Weight (kg)



Model	Quantum EX 100 HT	Quantum EX 150 HT
□A	164	218
B	70	52
C	46	97
D	116	149
ØE	99	148
Weight	0,6	1,2

Prestazioni

Model	Quantum EX 100 HT	Quantum EX 150 HT
Air-flow m ³ /h	max 102 min 17	max 180 min 18
Power consumption W	max 4,5 min 0,9	max 6,5 min 0,7
Sound pressure db(A) @ 3m ⁽¹⁾	max 37 min <9	max 36 min <9
Ambient temperature °C max	40	40
Degree of protection IP ⁽²⁾	X4	X4
Marking	CE UK 	CE UK 

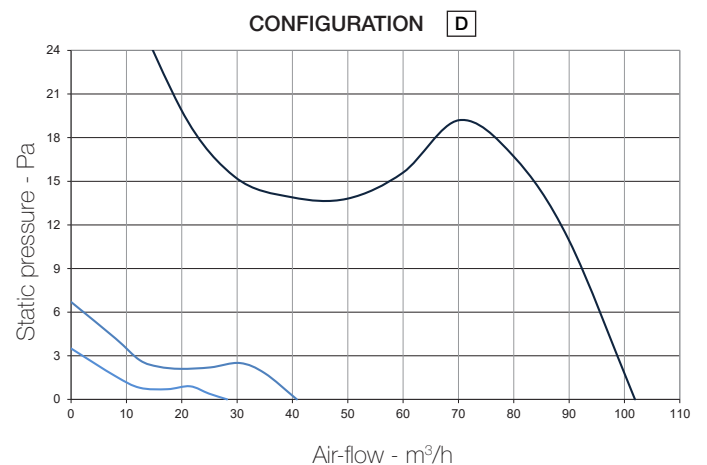
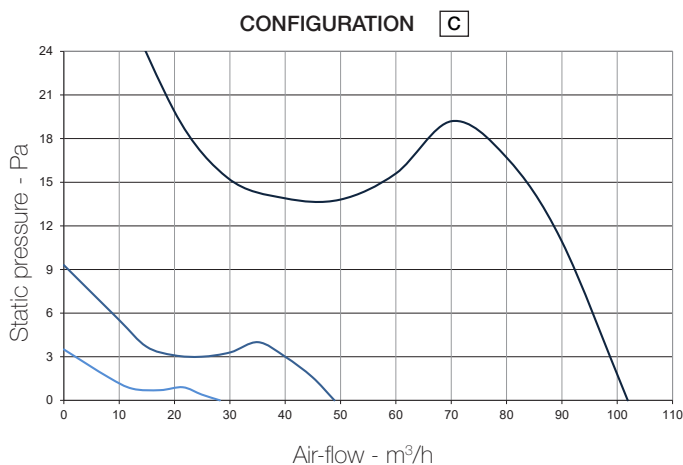
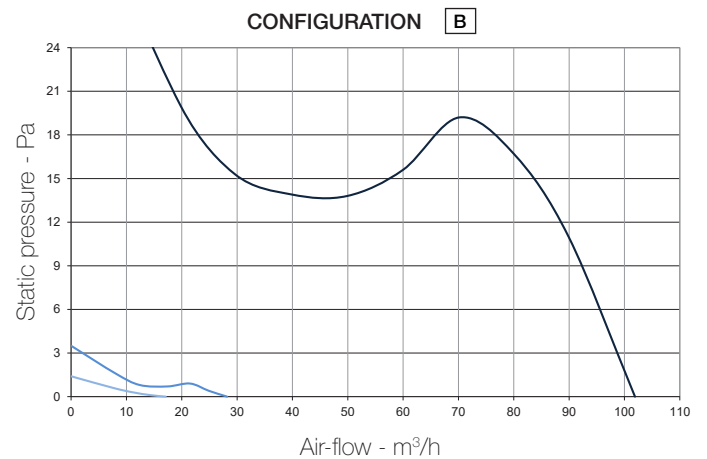
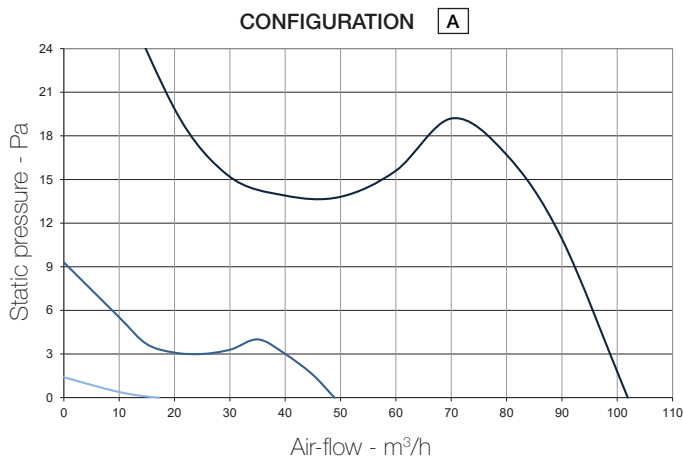
- 220-240V ~ 50/60Hz.
- air performance measured according to ISO 5801 @ 230V ~ 50Hz, air density 1,2Kg/m³.
- data measured in the TÜV Rheinland recognised laboratory in Aerauliga.
- (1) sound pressure level @ 3m in free field, for comparative purposes only.
- (2) IPX4 wall installation - IPX2 ceiling installation



Type Approved
Safety
Regular Production
Surveillance

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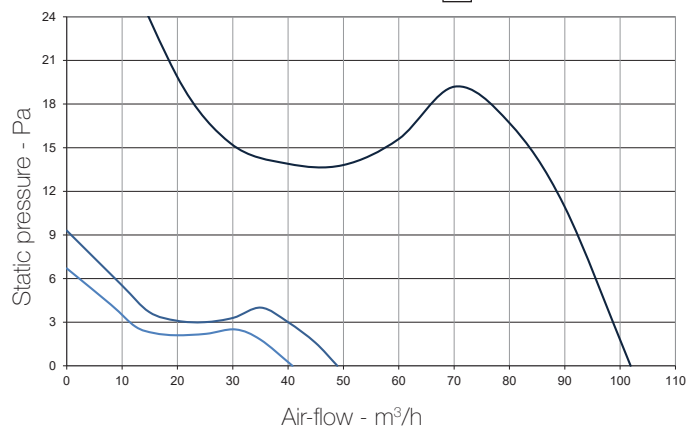
Quantum EX 100 HT - Performance curves⁽³⁾



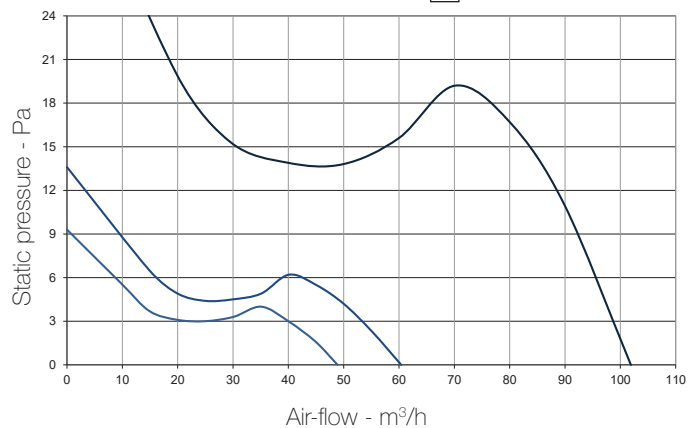
(3) The graphs represent the curves of the minimum, intermediate and maximum speeds at the different configurations settable through dip switches.

Quantum EX

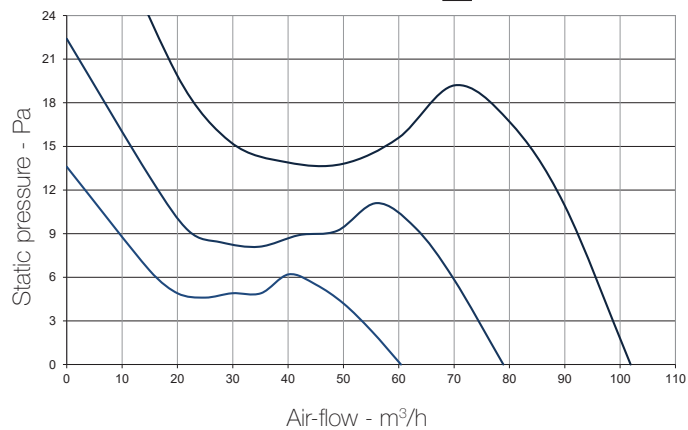
CONFIGURATION **E**



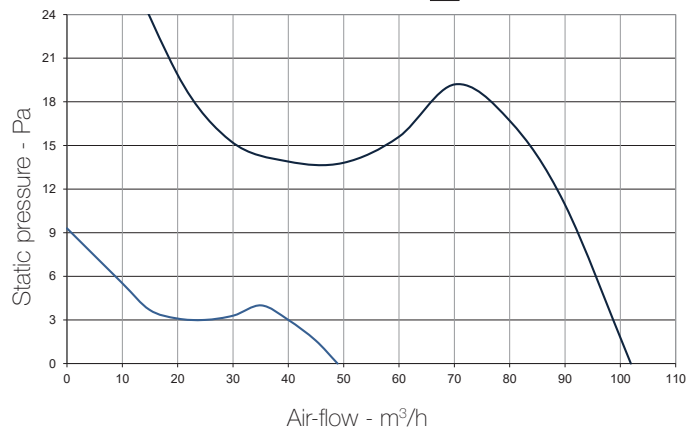
CONFIGURATION **F**



CONFIGURATION **G**

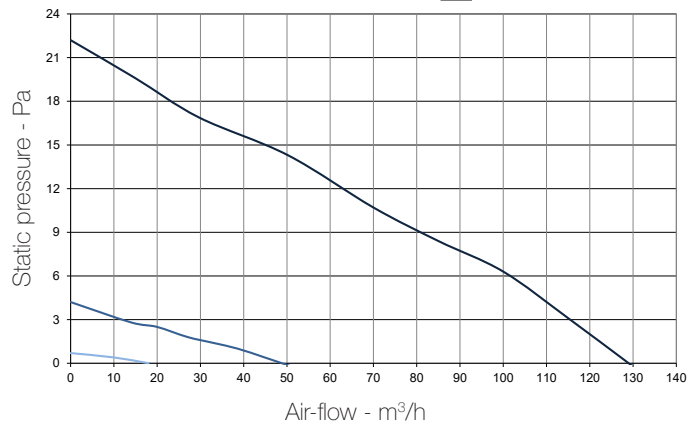


CONFIGURATION **H**

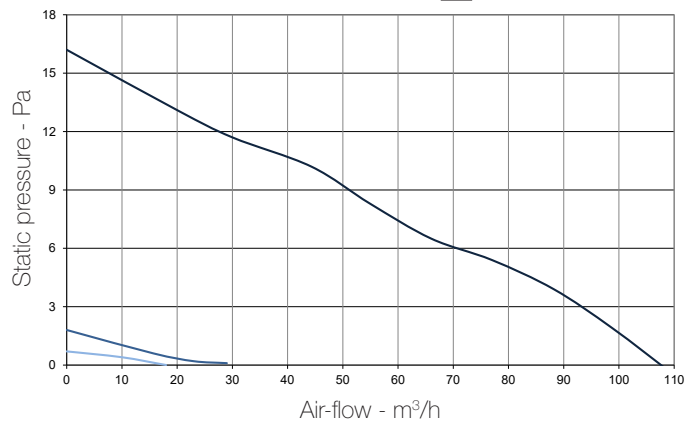


Quantum EX 150 HT - Performance curves⁽³⁾

CONFIGURATION **A**

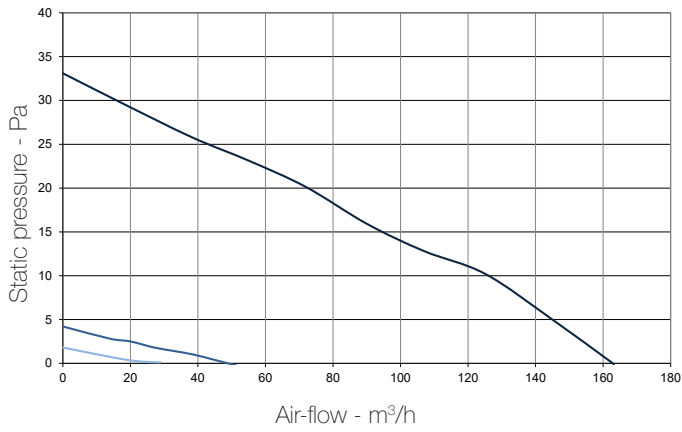


CONFIGURATION **B**

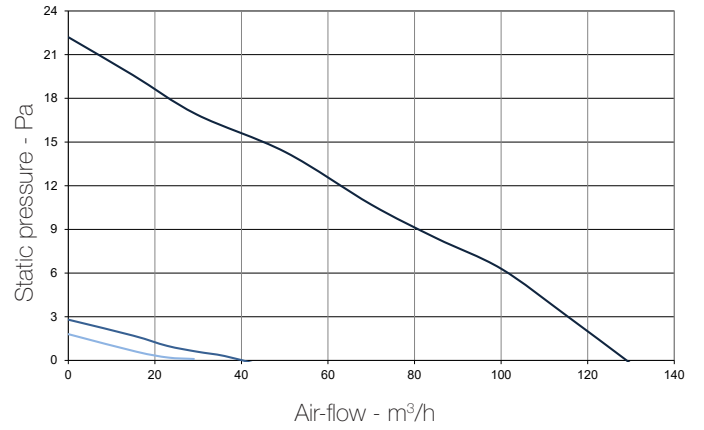


(3) I grafici rappresentano le curve delle velocità minima, intermedia e massima alle diverse configurazioni impostabili tramite interruttori.

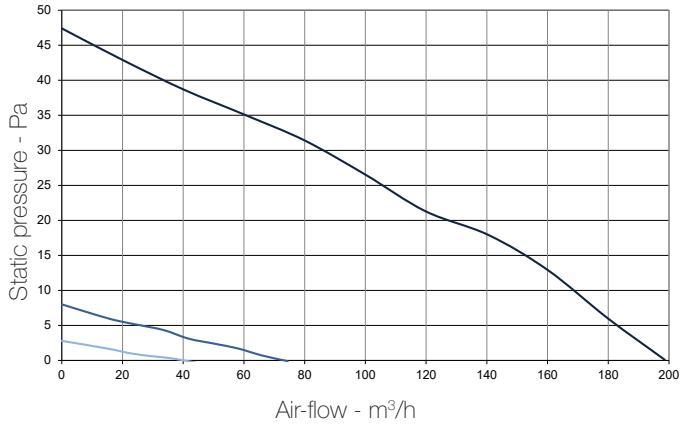
CONFIGURATION C



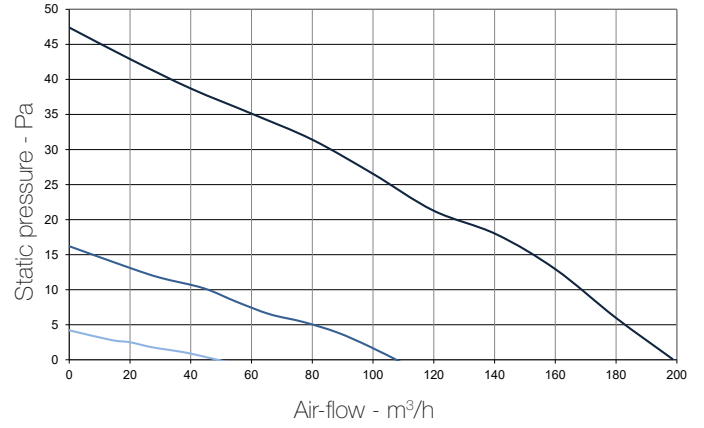
CONFIGURATION D



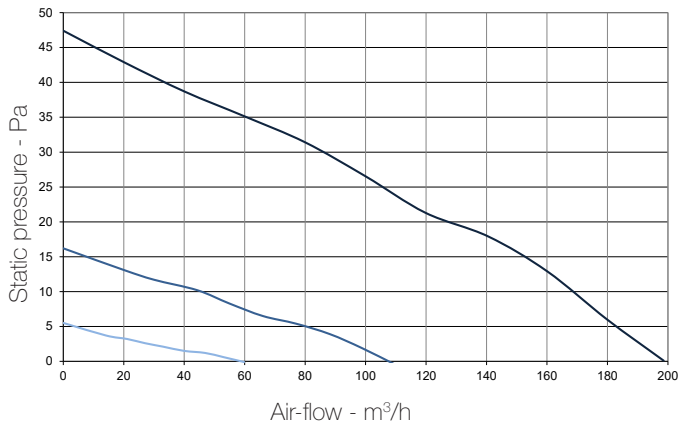
CONFIGURATION E



CONFIGURATION F



CONFIGURATION G



CONFIGURATION H

