

AERAULIQA PQX00013

AERAULIQA QX80HT Centrifugal Extractor Fan User Manual

Model: PQX00013

1. PRODUCT OVERVIEW

The AERAULIQA QX80HT is a centrifugal extractor fan with a 73.5mm diameter, designed for efficient ventilation in bathrooms, toilets, and small to medium-sized rooms. It effectively extracts stale air and can overcome resistance from long ducts. This unit is suitable for both wall and ceiling installation, including recessed plasterboard applications. It features a minimalist design front cover that is easily removable for cleaning without the need for tools. An aerodynamic grille minimizes air turbulence for enhanced acoustic comfort. A PP filter protects the fan and motor, and is also easily removable for maintenance. A butterfly backdraft damper accessory is supplied as standard. The QX80HT is IPX4 rated, features double insulation, and is TÜV Rheinland certified. Proudly Made in Italy.

Key features include a humidity sensor that automatically activates or deactivates the unit when the relative humidity exceeds or falls below a user-set level (adjustable between 50% and 95%). It also incorporates a timer function that delays the unit's shutdown for a pre-set duration (adjustable between 1 and 25 minutes).

2. SAFETY INFORMATION

- **ATTENTION:** Ensure that the duct diameter (73.5mm) is suitable for your specific application before installation.
- Always disconnect power before performing any installation, maintenance, or cleaning procedures.
- Installation should be performed by a qualified electrician in accordance with local wiring regulations and standards.
- Do not operate the fan if any part is damaged or missing.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The appliance is designed for indoor use only.

3. PACKAGE CONTENTS

The AERAULIQA QX80HT package includes the following components:

- Ventilating unit (QX80HT Centrifugal Extractor Fan)
- Fixing screws
- Installation manual
- Butterfly backdraft damper accessory (pre-installed or separate)

4. INSTALLATION

The QX80HT fan can be installed on a wall or ceiling, and is also suitable for recessed installation in plasterboard. Ensure the chosen location allows for proper ventilation and access for maintenance.

4.1. Dimensions and Duct Compatibility

Before installation, verify the dimensions of the fan and ensure compatibility with your existing or planned ductwork. The fan requires a duct diameter of 73.5mm.



Image: Technical drawing illustrating the dimensions (A, B, C, ØD) and weight for both QX80 and QX100 models. For QX80, ØD is 73.5mm.

4.2. Installation Types

The QX80HT supports various installation methods:

- Wall-mounted (surface)
- Wall-mounted (recessed)
- Ceiling-mounted (surface)
- Ceiling-mounted (recessed)



Image: Visual guide demonstrating different installation configurations: perimeter aspiration, surface wall mount, recessed wall mount, surface ceiling mount, and recessed ceiling mount.

4.3. Electrical Connection

The QX80HT operates on 220-240V 50/60Hz. Ensure all electrical connections are made by a qualified professional and comply with local electrical codes.

The unit features a single-phase 2-speed motor with long-life ball bearings and built-in thermal protection.

5. OPERATION

5.1. Humidity Sensor Settings

The integrated humidity sensor activates or deactivates the fan based on the ambient relative humidity. The humidity threshold is adjustable between 50% and 95%. Use a small screwdriver to adjust the potentiometer labeled for humidity settings on the control board (refer to the internal diagram in the installation manual for exact location).

5.2. Timer Settings

The timer function allows the fan to continue operating for a pre-set period after the humidity level drops below the threshold or after manual activation. The delay time is adjustable between 1 and 25 minutes. Adjust the potentiometer labeled for timer settings on the control board (refer to the internal diagram in the installation manual for exact location).

5.3. Speed Control

The fan features a two-speed motor. The speed setting can typically be configured during installation or via internal jumpers/switches on the control board, depending on the desired airflow and noise level. Consult the detailed wiring diagrams in the full manual for specific speed selection instructions.



Image: Performance curve for the QX80 model, illustrating the relationship between static pressure (Pa) and airflow (m³/h) at different operating points.

6. MAINTENANCE

6.1. Cleaning the Front Cover and Filter

The minimalist design front cover is easily removable for cleaning. Gently detach the cover from the main unit. The internal PP filter, which protects the fan and motor, can then be accessed and removed for cleaning. Wash the filter with mild soap and water, rinse thoroughly, and allow it to dry completely before reinserting. Reattach the front cover securely.

Frequency: Clean the filter and front cover regularly, depending on the operating environment and usage, to maintain optimal performance and airflow.

6.2. General Cleaning

Wipe the exterior of the fan with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the ABS material. Ensure no water enters the electrical components.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply; incorrect wiring; humidity sensor setting too high; timer not activated.	Check power connection; verify wiring with a qualified electrician; adjust humidity sensor to a lower percentage; check timer settings.
Reduced airflow.	Clogged filter; blocked ductwork; fan operating at lower speed setting.	Clean the PP filter; check and clear any obstructions in the ductwork; verify fan speed setting.
Excessive noise.	Loose mounting; foreign object in fan blades; worn bearings.	Ensure fan is securely mounted; inspect for and remove any foreign objects; if bearings are worn, contact customer support for service.
Humidity sensor not responding.	Sensor malfunction; incorrect humidity threshold setting.	Adjust humidity threshold setting; if problem persists, contact customer support.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact AERAULIQA customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	AERAULIQA

Feature	Detail
Model Name	PQX00013
Type	Centrifugal Extractor Fan
Duct Diameter	73.5mm
Power (Wattage)	28W / 17W (Two speeds)
Airflow Rate	104 m³/h / 62 m³/h (Two speeds)
Noise Level	38 dB(A) / 27 dB(A) (Two speeds)
Voltage	220-240V, 50/60Hz
Max Temperature	50°C
IP Rating	IPX4
Insulation	Double Insulation
Material	High-quality ABS, RAL9010 White
Humidity Sensor	Adjustable (50% - 95% RH)
Timer	Adjustable (1 - 25 minutes delay)
Motor Type	Single-phase, 2-speed, long-life ball bearings, thermal protection
Certifications	CE Marking, TÜV Rheinland Certified
Country of Origin	Italy

9. WARRANTY AND SUPPORT

The AERAULIQA QX80HT is manufactured in Italy and is TÜV Rheinland certified, ensuring high quality and compliance with safety standards.

For warranty information, technical support, or service inquiries, please refer to the contact details provided in your purchase documentation or visit the official AERAULIQA website. Keep your proof of purchase for warranty claims.



Image: "Made in Italy" branding, emphasizing product origin and quality.