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## User Manual HP 2000XT

### Intended use

The HP 2000XT is developed and intended for water damage restoration, creating an air flow suitable for drying of insulation in framed floors or walls. The HP 2000XT has two speeds, corresponding to 1500 m<sup>3</sup>/h and 500 m<sup>3</sup>/h respectively.

The inlet to the fan faces the floor and on its back it has one 100mm outlet and six 50 mm outlets to allow for the air to be distributed through hoses as required.

The HP 2000XT is robust and has rubber feet to prevent scratching or discoloring the floors. It is equipped with an electromechanical hour counter alt. Time/Kwh meter.

When the air must be filtered, the HP 2000XT can be used together with the Flexifilter HEPA H13.

### Features:

• High Capacity	• Two fan speeds
• Robust	• Hour counter alt. Time/Kwh meter
• Low noise	• Stackable

### Manufacturing Directive

The HP 2000XT is CE approved.

### Waiver of Liability

- Faulty, incorrect installations and/or incorrect use can cause damage to property and human injury.
- The manufacturer assumes no responsibility or liability for damages or injuries caused by non-compliance with the instructions herein, use for other purposes than the intended, or failure to observe its warnings. Such as damage, injuries or liabilities are not covered by the product warranty.
- The product warranty does not cover consumables or normal wear and tear.
- It is the responsibility of the buyer to inspect the product at time of delivery and before use to ensure its good function. The product warranty does not cover damage resulting from use of faulty products.
- Changes or modifications to the equipment must not be made without written consent by Corroventa Avfuktning AB.
- The product, technical data and/or installation and operation instructions can be changed without prior notice.
- This manual contains information that is protected by the Intellectual Property laws. No part of this manual may be copied, stored in an information system or transferred in any form or in any way without the written consent of Corroventa Avfuktning AB.

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## Safety information

This equipment can be used by children aged eight (8) years or above and people with reduced physical, sensory or mental capabilities or with lack of experience and knowledge provided they have been given instructions and information on how it is safely used and that they understand the hazards involved.

Children must not be allowed to play with the equipment. Cleaning and maintenance must not be performed by children without supervision.

Electrical installations made in connection with the installation of the HP 2000XT shall be made by authorized personnel in accordance with local and national regulations.

Furthermore, the following warnings and instructions shall be read and observed:

1. The fan is intended for indoor use only.
2. The fan must not be powered until the installation is finished in accordance with this manual.
3. The powered fan must not be covered as this can lead to overheating and fire hazard.
4. The fan must not be used as table, trestle, pallet or stool.
5. The fan must not be used to step or stand on.
6. Oil, fat, solvents, boracol or similar substances must not be drawn into the fan.
7. The fan must not be used in spaces where explosive gases can be present.
8. Do not stick objects into the air outlets or intakes as this can cause damage to the machinery as well as human injury.
9. Install the fan steadily and leveled so that it cannot fall over.
10. Keep children, animals and spectators away from the work place while installation is undertaken.
11. If the fan is broken, if the power connector or the cable is damaged, contact the retailer. Do not repair the equipment if you have not received specific training by the manufacturer.
12. Be careful not to damage the power cable. The cable must not go through water or pass sharp edges.
13. Never carry or tow the fan by its cable.
14. To use electrical equipment in humid or wet environment can be dangerous. Never power the fan if it is standing in water.
15. The dryer must only be connected to grounded power outlet with voltage and frequency in accordance with fan nameplate.
16. A residual-current device / ground fault circuit interrupter should be used to minimize the risk of electric shocks.
17. Water must not come in contact with the electrical components of the equipment. If this has happened, ensure that the equipment is dry before it is used again.
18. The power must always be disconnected before the fan is opened.
19. Repairs and maintenance of the electronics and the electrical system of the fan must only be made by qualified electrician.
20. The fan must never be used with any other accessories than those listed in this manual or those specifically approved by Corroventa Avfuktning AB.

For further advice on product safety and use, please contact the supplier.

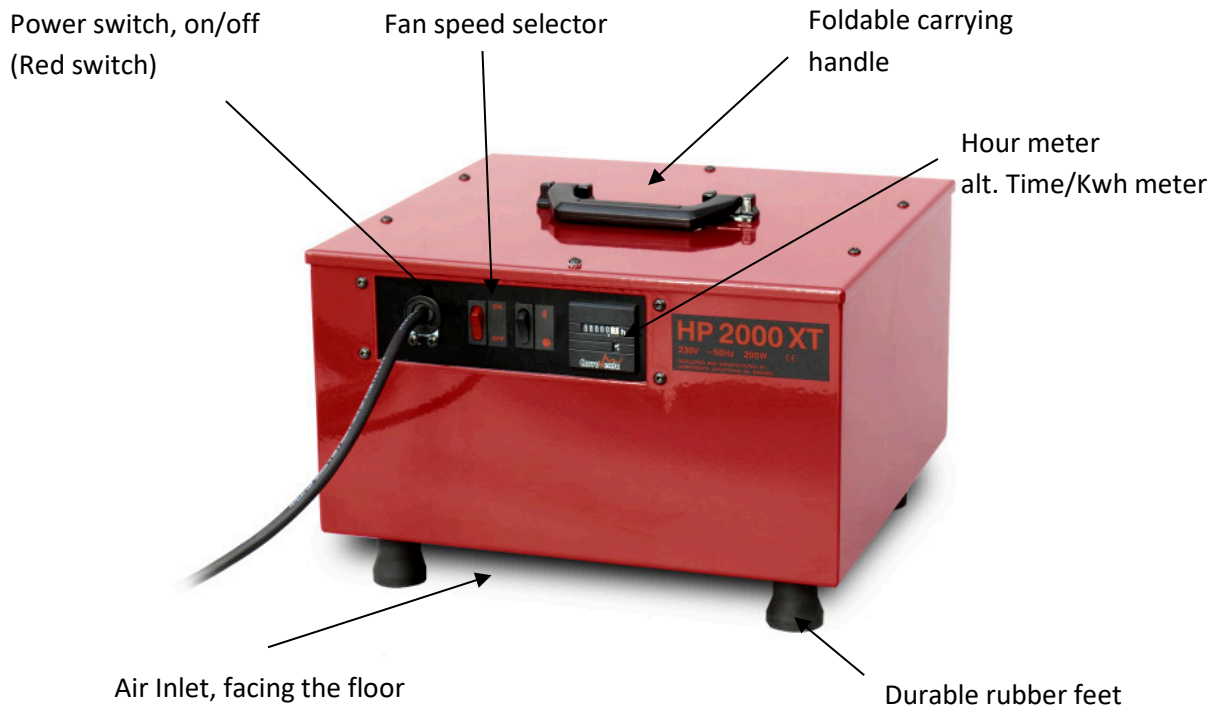
## Delivery inspection

HP 2000XT is delivered with the following items included:

Radial fan HP 2000XT	1 pc
Manual	1 pc

## Product Overview

Below pictures present HP 2000XT with all its external features and controls.



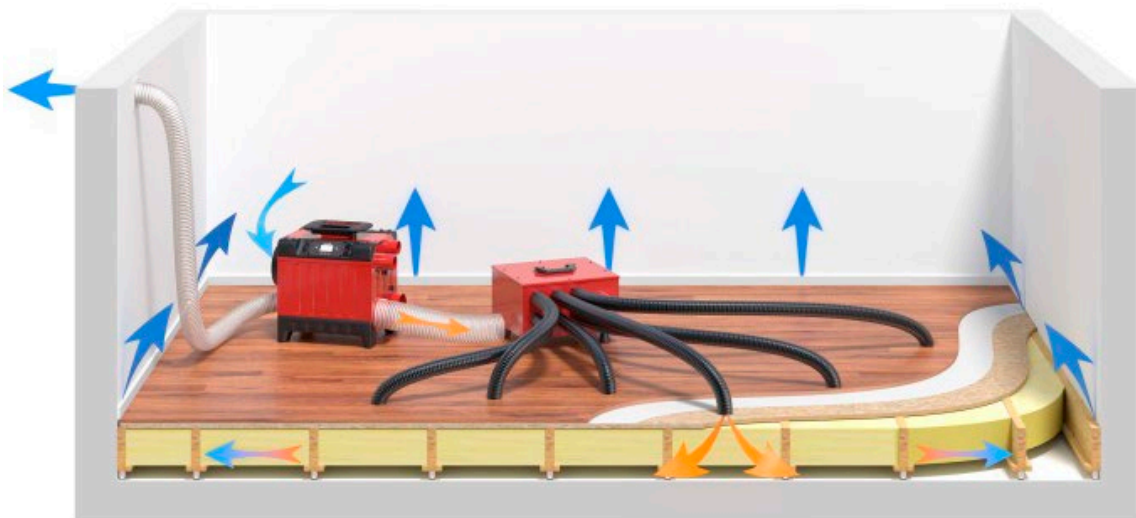
## Drying method – Pressure drying

The HP 2000XT is a radial fan that provides a substantial air flow, making it suitable for air distribution as well as drying of framed floors and walls and constructions with permeable insulation where air flows are easily achieved. When used to this purpose, the fan is preferably installed as depicted below to achieve a pressure drying effect.

### Pressure drying

The dry air from the dehumidifier is led through hose to the HP 2000XT so that it is close to the fan inlet. To the outlets, hoses are connected to feed the dry air into the construction. This way, a pressure drying effect is achieved, pushing the dry and warm air into the construction. As this increases the vapour pressure difference it also increases the drying speed.

**Note:** Pressure drying can cause release of fibers/particles from the construction into the ambient air. If that is a potential problem, precautions such as sealing off the space with plastic foil and use of air scrubbers etc. must be taken or, alternatively, a suction drying approach applied instead using filters and a turbine, higher pressure fan.



Pressure drying. The radial fan is fed with dry air from the dehumidifier and pushes this air into the construction.

For efficient air cleaning, the HP 2000XT can also be used together with the Flexifilter HEPA H13.

## Accessories

When filtering is required, the HP2000XT is designed to be used with the Flexifilter H13, a compact and lightweight filter unit capable of cleaning large volumes of air. H13 rated, its degree of separation exceeds 99.95% for up to 1080m<sup>3</sup> / h. The unit also includes a carbon filter layer for removing bad odours.

## Installation

1. Put the HP 2000XT where it shall be used and connect the hoses, if any, that are to be used for the air distribution.
2. Connect the cable to a 1-phase, 230 VAC socket with a 10A or maximum 16A fuse. As the machine is normally used in humid or wet spaces, the use of a ground fault circuit interrupter is strongly recommended.
3. Put the power switch in position On and select fan speed, high or low.
4. Verify that the correct air flows are achieved.

## Fault finding

Symptom	Probable cause	Action
Fan does not start.	Power cable not connected. Mains power not available.	Check that power cable is connected and availability of power in the outlet.
Air flow is too low	Counter pressure through the installation is too big.  Fan is malfunctioning	Adjust the installation to lower the counter pressure  Contact retailer for repair of the fan.

## Technical data

### HP 2000XT

Typ LAF 50 LAF 50E LAF 50E2 LAF 100 LAF 100E LAF 150 LAF 150E

<b>Air volume (m<sup>3</sup>/h)</b>	<b>High speed: 1500 Low speed: 500</b>
<b>Voltage</b>	<b>230 VAC / 50 Hz</b>
<b>Rated power (W)</b>	<b>295</b>
<b>Height x width x length (mm)</b>	<b>275 x 400 x 390</b>
<b>Weight( kg)</b>	<b>13</b>