

# HeatWork®

## USERMANUAL

CLIWI AIR SYSTEMS 200/300





## CERTIFICATION of Conformity

No.: MTS/DTW/15060326

**Agent:** HeatWork As  
Skarvenesveien 6, 8514 NARVIK  
Norway

**Equipment Description:** Axial flow fan

**Model Name:** CliWi air system 200, CliWi air system 300

**Technical Data:** 220-240V~, 50Hz, 1000W


This certification refers to the conformity of the following Directives. It does not exclude the product(s) having to be in compliance with other applicable Directives:

**According to LVD directive 2014/35/EU**

It is to certify that the product identified above is in compliance with the essential requirements of the following standards:

EN 60335-1:2012+A1:2014,  
EN 60335-2-80:2003+A1:2004+A2:2009

June 26, 2015  
Date of Issue

  
Signed by: Yvette Zhou



This certification of conformity is based on an evaluation of a sample of the above mentioned product. Technical report and documentation are at the Holder's disposal. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.

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Most Technology Service Co., Limited  
No. 5, 2nd Langshan Road, North District, Hi-tech Industrial Park,  
Nanshan, Shenzhen, Guangdong, China  
Tel: 86 755 86026850 Fax: 86 755 26013350  
[Http://www.szmost.com](http://www.szmost.com)

## Contents

<b>1 CliWi air systems</b> .....	<b>4</b>
1.1 Areas of application .....	4
<b>2 Technical data</b> .....	<b>5</b>
<b>3 BOM list</b> .....	<b>6</b>
<b>4 Safety informasjon</b> .....	<b>7</b>
<b>5 Operation</b> .....	<b>8</b>
<b>6 Schematic</b> .....	<b>9</b>
<b>7 Maintenance</b> .....	<b>10</b>
<b>8 Troubleshooting Guide</b> .....	<b>10</b>
<b>9 Exploded view</b> .....	<b>11</b>
9.1 Air systems 300 .....	11
9.2 Air systems 200 .....	12



**Read the Instruction manual:**  
When this symbol is marked on a product, it means that the instruction manual must be read.

# 1 CliWi air systems

## **One of the most efficient system at the market, for conveying air**

CliWi is an easy transportable, light weight and powerful ventilator.

The fan has a solid form, with double walls in UV- resistant polyethylene. Fresh air can easily be transported, and clogged/dust air can be removed from an area.

CliWi air systems can easily be connected to CliWi exchanger, and be used everywhere there is a need of heating.

CliWi air systems can also be used with CliWi hose to ease the work in difficult areas.

### **Basic abilities CliWi air systems:**

- Modular and stand alone
- Also designed for connection to CliWi exchanger
- Large air volume due to power demand
- Connection for ventilator hose, suction- and pressure side
- Protective grilles on blowout and intake
- Two speeds fan
- Light weight
- Compact, easy and functional size
- Powerful form, with double walls in UV- resistant polyethylene
- IP 44

## **1.1 Areas of application**

- ✓ Dry out buildings
- ✓ Construction and renovation projects
- ✓ Desiccation
- ✓ Exhaust
- ✓ Smoke
- ✓ Gas
- ✓ Moisture damaged environment
- ✓ and more

## 2 Technical data

<b>Modell</b>	<b>CliWi air systems 200</b>	<b>CliWi air systems 300</b>
Switch	Two stage switch	Two stage switch
Power supply, 230 volt AC	1 A	3 A
Height/width/length	497/284/430 mm	547/418/444 mm
Weight (without packaging)	10 kg	17 kg
Overheating protection	Yes	Yes
Art.number	6200	6400
Fan Size mm / inch	200 / 8	300 / 12
Voltage ~ Hz	220-240V ~ 50Hz	220-240V ~ 50Hz
Air Flow (m <sup>3</sup> /h)	1110/1,390	1,700/3,400
Fan Speed (RPM)	2680/2900	1470/2880
Noise (dB)	65/68	58/75

### 3 BOM list



Best nr	BOM ID	Qty	Description eng
3583	1	1	Handle
HW3322-5	2	1	Mains cord with plug
3322	3	1	Connector external thermostat with mounting plate
3321	4	1	Power switch
5020	5	2	Grilles

**NEVER LEAVE VENTILATOR UNATTENDED WHILE CONNECTED TO A POWER SOURCE**

## 4 Safety informasjon

**IMPORTANT:** Read and understand all of the safety information and instructions in this manual before operating your ventilator. Retain this manual for future reference.

**▲ DANGER** RISK OF EXPLOSION! Do Not operate this ventilator where there are harmful, explosive or flammable gasses, fumes or hazardous substance.

**▲ WARNING** When using mains-powered appliances, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury.

**▲ WARNING** Do Not expose to rain or water spray. Do Not submerge this ventilator in water or use in excessively wet conditions.

**▲ WARNING** THIS IS NOT A TOY! Keep out of reach of children. This ventilator is intended for use by only qualified persons

**▲ WARNING** RISK OF INJURY! Keep hair, loose clothing, fingers and all body parts away from air inlet and outlet.

**▲ WARNING** RISK OF INJURY! DO NOT MOVE VENTILATOR WHILE IT IS OPERATING.

**▲ WARNING** RISK OF ELECTRIC SHOCK! TAKE PRECAUTIONS TO PREVENT INJURY.

**▲ CAUTION** In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

Before operating ventilator, be sure that you know how to switch the ventilator off in an emergency. ALWAYS use only the electrical power (voltage and frequency) specified on the model plate of the ventilator.

ALWAYS install the ventilator so that it is not directly exposed to water spray, rain or dripping water.

ALWAYS ensure that all cords are protected against short circuit and overload.

ALWAYS check electric cords for damage and replace if necessary before using ventilator.

ALWAYS disconnect ventilator from power source when not in use.

NEVER pull or carry ventilator by power cord.

NEVER block air inlet or air outlet while in operation.

NEVER insert any objects through the fan guard.

NEVER use ventilator with an external switching device, such as a timer.

NEVER use to ventilate harmful, explosive, flammable or volatile gases, fumes or substances. If ventilator is damaged, do not use it. The ventilator must be serviced by a qualified person or service agent.

Before operating ventilator be sure there are no items that can be blown about by the stream of air. The mandatory minimum distance from the ventilator is one meter.

## 5 Operation

1. Remove ventilator from packaging. Be certain no packaging materials are blocking the air inlet or air outlet.
2. Place ventilator on level ground.
3. Attach ducting (sold separately) securely using tie down strap (Figure 1).
4. Connect ventilator to a grounded power.
5. Push power switch to the "I" or "II" position, motor will work on speed 1 or speed 2 (look specifications and Figure 2).
6. Temperature controller can be connected if it's necessary (Figure 3).  
Temperature can be set between 0 - 60°C by regulator on the controller (Figure 4).

### Ventilation and Cooling

This ventilator can move large quantities of air rapidly to provide ventilation.

**NOTE:** This ventilator will not prevent mold or mildew formation. To prevent mold or mildew formation, this ventilator should be used in unison with a dehumidifier.

**▲ WARNING** RISK OF INJURY! DO NOT MOVE VENTILATOR WHILE IT IS OPERATING!

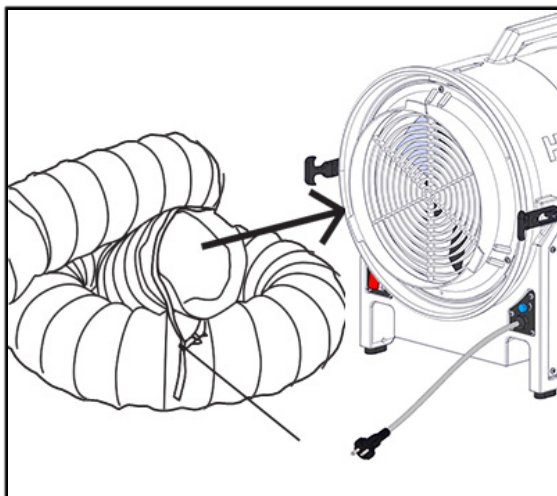


Figure 1

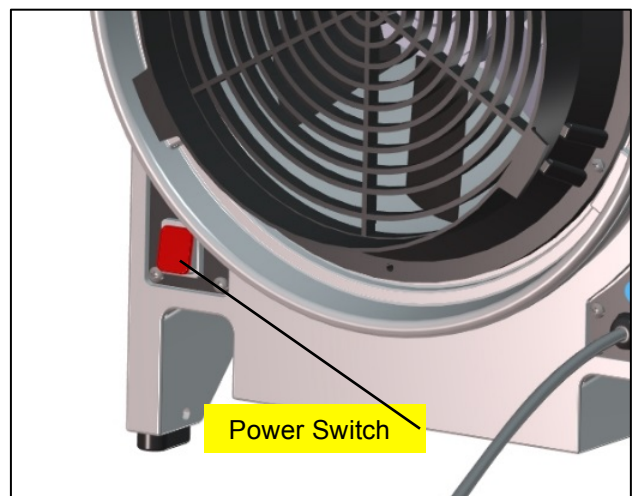


Figure 2





Figure 3

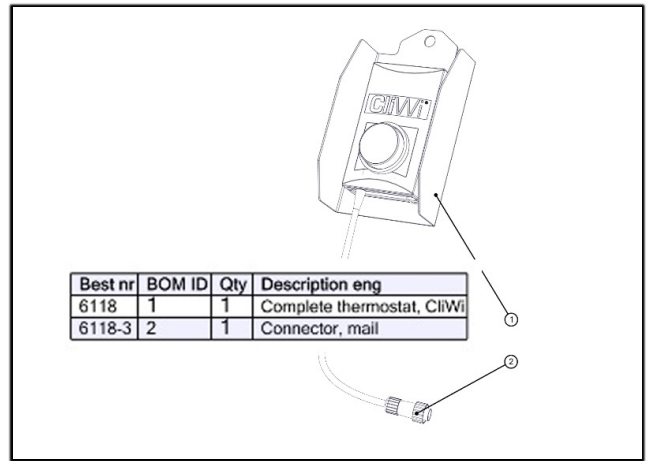


Figure 4

## 6 Schematic

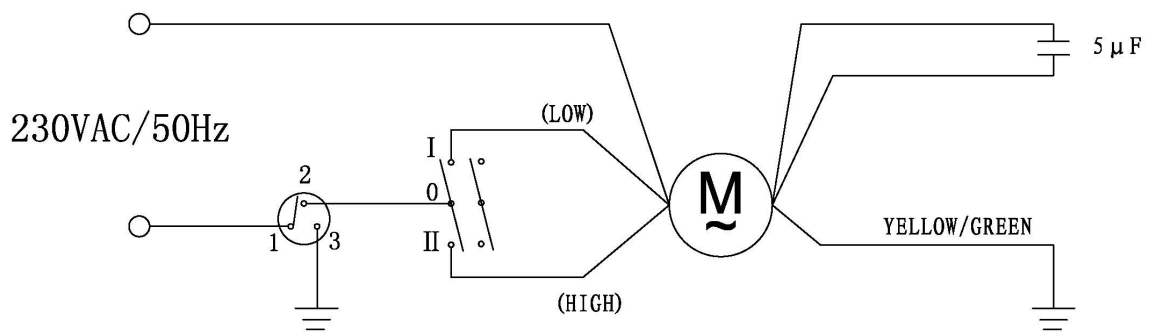


Figure 1. Ø200mm Motor – 2-speed

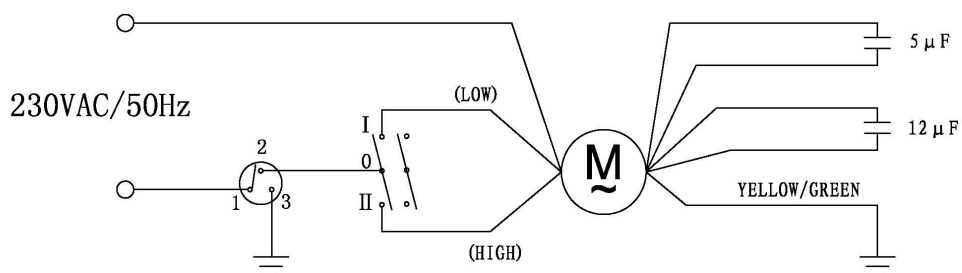


Figure 2. Ø300mm Motor – 2-speed

## 7 Maintenance

**▲ WARNING**

**Risk Of Injury! Always disconnect the ventilator from the power source before maintenance.**

### ELECTRICAL SYSTEM

Check the power cable regularly for damage. If the power cable is damaged, it must be replaced by qualified person or a service agent.

### AIR OUTLETS

Dust and other dirt that can collect in the air outlet must be cleaned and removed regularly.

### HOUSING

Clean the housing with a mild detergent and water.

Check all external parts to ensure they have been installed properly. Be alert for unusual noises.

### KEEP MOTOR AND WIRING DRY

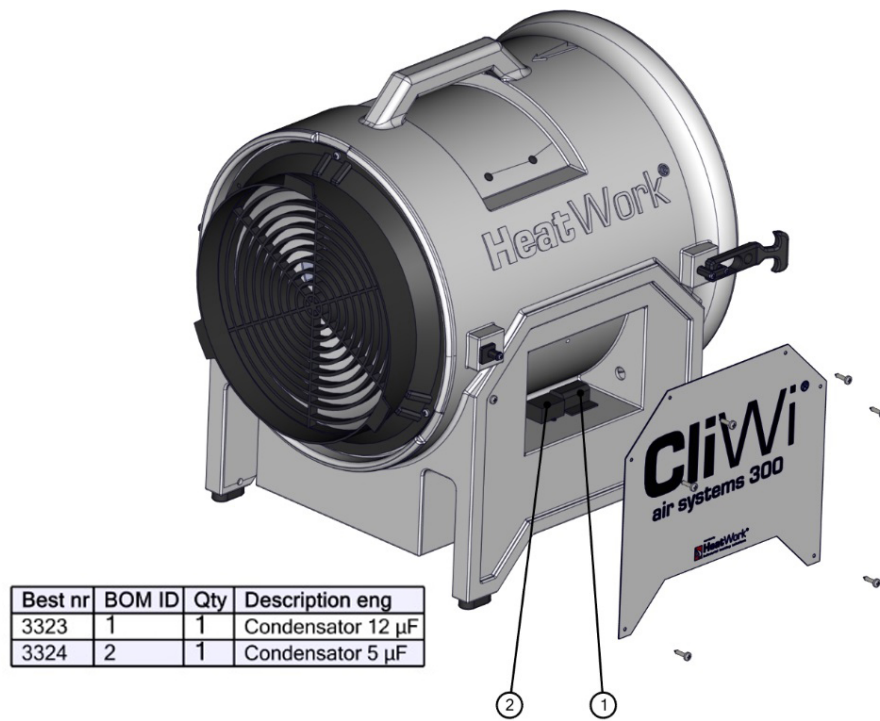
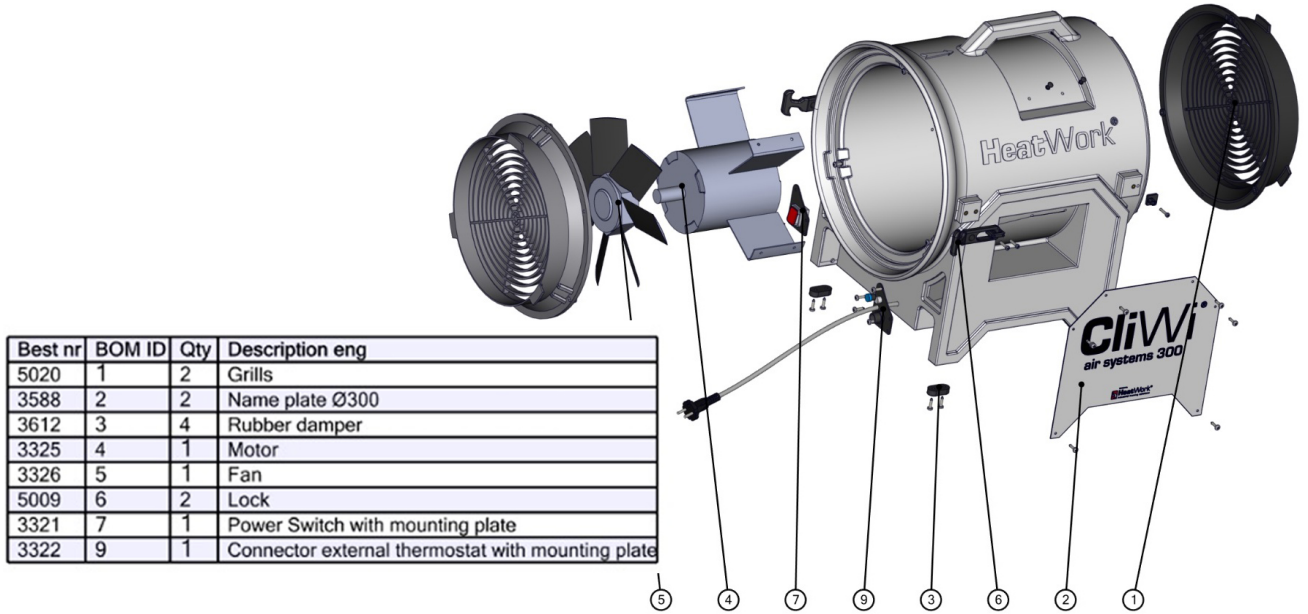
DO NOT use a water hose or any pressurized washing device to clean your ventilator. If any electrical elements do get wet, they must be dried immediately.

## 8 Troubleshooting Guide

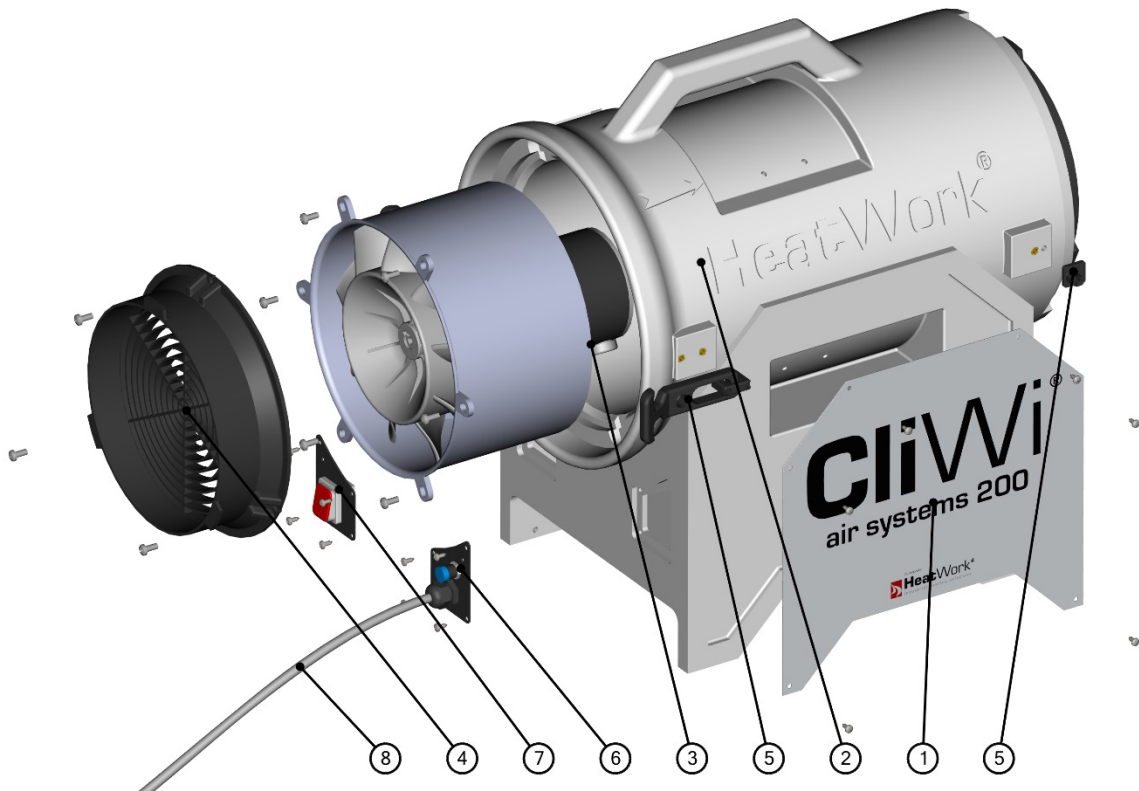
Problem	Possible Cause	Solution
Motor does not run	<ol style="list-style-type: none"> <li>1. No power supply to the device.</li> <li>2. Switch / knob not turned on.</li> <li>3. Fan wheel blocked.</li> <li>4. Air inlet or outlet is blocked.</li> <li>5. Switch is broken.</li> <li>6. Loose wiring.</li> <li>7. No Crowbar</li> </ol>	<ol style="list-style-type: none"> <li>1. Connect device, check fuse.</li> <li>2. Turn knob on / press power switch to ON.</li> <li>3. Inspect fan wheel and remove blockage.</li> <li>4. Remove blockage and clean air inlet and air outlet.</li> <li>5. Return to service agent.</li> <li>6. Return to service agent.</li> </ol>
Motor runs, but wheel spins irregularly or hits sides.	<ol style="list-style-type: none"> <li>1. A heavy impact has bent the motor suspension so that the wheel is stuck.</li> <li>2. A heavy impact has let the motor slide out of the suspension so that the wheel is stuck.</li> </ol>	<ol style="list-style-type: none"> <li>1. Return to service agent.</li> <li>2. Return to service agent.</li> </ol>
Device vibrates excessively	<ol style="list-style-type: none"> <li>1. Fan wheel is stuck.</li> <li>2. Fan wheel is unbalanced.</li> <li>3. Fan wheel is bent.</li> <li>4. Motor Shaft is bent.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean fan wheel</li> <li>2. Return to service agent</li> <li>3. Return to service agent</li> <li>4. Return to service agent</li> </ol>

# 9 Exploded view

## 9.1 Air systems 300

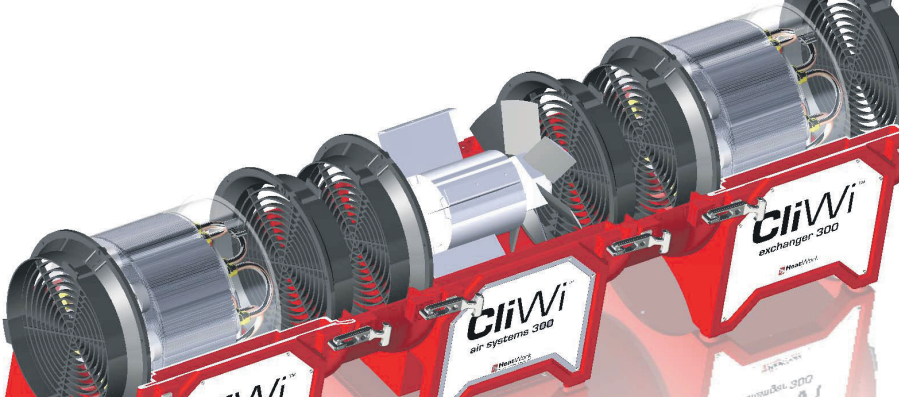


## 9.2 Air systems 200



Best nr	BOM ID	Qty	Description eng
3493	1	2	Side cover Ø200
3481	2	1	Housing fan Ø200, CliWi
5022	3	1	Complete fan Ø200, CliWi
5019	4	2	Grilles Ø200
5009	5	2	Lock
5024	6	1	Connector thermostat, PG- nipple with mounting plate
5023	7	1	Main switch fan Ø200, CliWi
HW3322-5	8	1	Mains cord with plug





[www.heatwork.com](http://www.heatwork.com)



Skarvenesveien 6  
P.O. Box 353  
N-8501 Narvik  
NORWAY  
[post@heatwork.com](mailto:post@heatwork.com)

Telephone: (+47) 76 96 58 90  
Service: (+47) 488 93 271