



TURBO LOW NOISE HAND DRYER Model: 346-347-348 / 250-251-254

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IMPORTANT!

This product falls within the scope of the WEEE directive on recycling and recovery of waste electrical and electronic equipment.



- · This product should not be disposed of with general household waste.
- · This product must be reused if possible.
- · Contact your local authority for further details.
- This product may also be returned to the manufacturer/retailer for proper treatment, recovery, and recycling.





DIMENSIONS AND TECHNICAL SPECIFICATIONS

Dimensions Unit of measurement: mm







TECNICAL SPECIFICATIONS

DESCRIPTION	DATA
Operating voltage	110V-120V, 50/60Hz, 10.8-11.7A, 1.19-1.4kW 220V-240V, 50/60Hz, 5.4-5.8A, 1.19-1.4kW
Air temperature	55°C ~ ambient temperature 25°C
Air speed	65-95 m/s (adjustable)
Motor type	350-700W (adjustable) carbon brush with double ball bearings, 12000-18000 rpm. Lifespan of carbon brushes: Approx. 580K activations
Motor thermal protection	Auto resetting, thermostat turns off at 135°C
Heating element	350 - 700W (adjustable)
Heating element protection	Auto resetting, thermostat turns circuit off at: 85°C, thermal fuse turns off at 142°C
Drying time	≤ 15 seconds
Stand-by power	0.3-0.4W
Sensor type	Infrared, self adjusting
Sensor range	100-230 mm adjustable. Standard 170mm± 20mm
Protection timer	60 seconds auto shut off
IP Class	IP31 or IP33 (option)
Insulation class	Class 1
Net weight	5.5 kg
Gross weight	6.1 kg

PRODUCT TYPE / MODEL

- 346 / 250 White enamel coated steel, Turbo Low Noise hand dryer, 230V/110V
- 347 / 251 Stainless steel, brushed, Turbo Low Noise hand dryer, 230V/110V
- 348 / 254 Black powder coated stainless steel, Turbo Low Noise hand dryer, 230V/110V

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GENERAL SAFETY INFORMATION

WARNING



- All units must be equipped with a 3-wire service. Connect the ground wire according to the instructions.
- This product must be installed only by qualified persons. Use 2.0mm² (AWG) NO.14 wiring.
- Turn off the power to the unit before servicing or cleaning. All wires must be disconnected.
- Incorrect installation, defect power cords, or failure to properly ground unit could result in electrical shock or life-threatening injuries.

NOTE

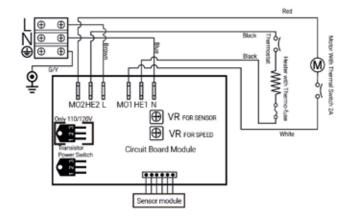
We do not recommend to install this product above a washbasin. Installation above reflective surfaces will cause the hand dryer to start on its own. This product is suitable for indoor use only.

Type Y connection: If the power supply cord is damaged, it must be replaced immediately. Only qualified persons shall be permitted to replace the cord to avoid a hazard. Disconnect the electricity supply cord according to instructions.

This product is not intended for use by persons (inclusive children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been given instruction concerning use of the product by a person responsible for their safety.

Children should be supervised to ensure this product is used correctly.

CIRCUIT DIAGRAM

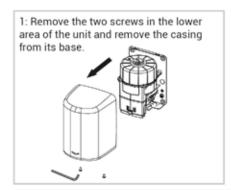


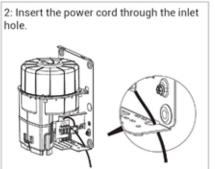
INSTALLATION

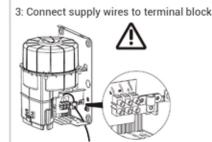
Make sure the main breaker is turned off. Installation must be carried out by a qualified person in accordance with standards applicable in the country where the equipment is to be installed.

Place template against the wall at desired height (see mounting height recommendations) and mark location of (4) mounting holes and the wire service entry.

Note: If several products are installed in close proximity to each other, the minimum distance between the products should be 610 mm from the centerline of each product.

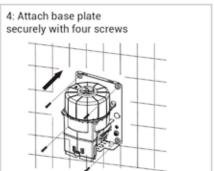


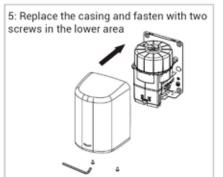




Connections:

- A. Connect LIVE to terminal "L"
- B. Connect NEUTRAL to terminal "N"
- C. Connect GROUND to terminal "@"





USER GUIDE

- · No-touch operation.
- · Shake excess water from hands.
- Place hands under the outlet to start operation.
- · Rub hands lightly and rapidly.
- · Stops automatically after hands are removed.

RECOMMENDED INSTALLATION HEIGHT

From bottom edge of hand dryer above finished floor.

Men	1270 mm	(50")
Women	1194 mm	(47")
Children, 4-7 years	889 mm	(35")
Children, 8-10 years	991 mm	(39")
Children, 11-13 years	1092 mm	(43")
Children, 14-16 years	1194 mm	(47")
Wheelchair users	1016 mm	(40")

CLEANING AND MAINTENANCE

Routine cleaning and maintenance is recommended every 12 months to ensure your hand dryer is running at optimal performance.

- · Disconnect the electrical supply.
- · Remove the two cover-mounting screws.
- · Remove the casing.
- · Clean the interior of the dryer and remove any dust.
- Check carbon brushes. If carbon brushes are worn, they must be replaced.
 The estimated lifespan for carbon brushes is 580K activations.
- · Do not soak.
- Use a damp cloth and mild cleaning solution. Never use cleaning detergents with an abrasive effect.
- · Replace the cover. Do not overtighten the screws.





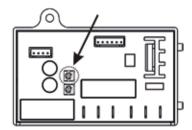


WARM AIR SPEED ADJUSTMENT

- · Switch off the power and remove the cover.
- Use Phillips screwdriver or flat notch.
 The air speed is adjusted on the VR potentiometer.

Clockwise to increase air speed(+).

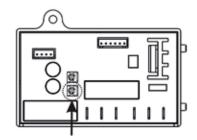
Counterclockwise to decrease air speed(-).



SENSOR RANGE ADJUSTMENT

- The sensor range adjustable between 100mm and 230mm.
 Standard range: 170mm ± 20mm
- · Clockwise: To increase sensor activation range (+)
- · Counterclockwise: To decrease sensor activation range (-)
- The sensor activation range should be adjusted to its environments,
 e.g. light and distance to the bottom of the sink.

Note: Do not overturn the sensivity adjustment.



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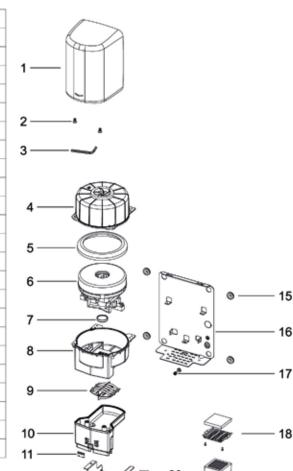
TROUBLESHOOTING AND CORRECTIVE ACTIONS

SYMPTOM	CORRECTIVE ACTION: NEW HAND DRYER
The dryer does not run	First ensure that the breaker supplying the dryer is operational. If it is, disconnect the power and remove the cover. Taking suitable precaution to avoid shock hazard, reconnect the power and check for voltage on the terminal block. Verify that connections are made correctly.
The dryer cycles by itself and runs constantly	Ensure that there is no obstruction on or in front of the IR sensor. Clean any dirt off the sensor lens. If problem persists, replace the sensor.
The dryer is very loud and does not run for a complete cycle	Ensure that the supply voltage is correct. The dryer will make a loud humming noise if the input voltage is too high. Verify voltage requirement on the unit rating label and correct accordingly. If PCB is damaged, replace unit as well as IR sensor.
The dryer runs, but the airspeed is low	Ensure that the supply voltage is correct. The dryer will run slowly if the input voltage is too low.

SYMPTOM	CORRECTIVE ACTION: USED HAND DRYER
The dryer does not run	First ensure that the breaker supplying the dryer is opera- tional. If it is, disconnect the power and remove the cover. Replace PCB and IR sensor. Taking suitable precaution to avoid shock hazard, reconnect the power and check for vol- tage on the terminal block.
The IR-sensor detects only close range objects	Ensure that there is no obstruction on or in front of the IR sensor. Clean any dirt off the sensor lens. If problem persists, disconnect the power and remove the cover. Taking suitable precaution to avoid shock hazard, reconnect the power and try carefully adjusting the sensitivity range (yellow slot in blue component on PCB). If problem persists, replace IR sensor.
The dryer gets hot, but there is no air stream	Disconnect the power. Remove the cover and disassemble the blower/fan unit. Replace motor.
The dryer blows only cold air during a full cycle	Disconnect the power. Remove the cover and disassemble the blower/fan unit. Test the thermostate for open circuit. Check the heating element for defects. Replace defect heating element.
The air pressure is low	Check the output nozzle for obstructions. If none, disconnect the power and remove the cover. Remove any dirt from the inlet. Disassemble the blower/fan unit, check if motor brushes are worn (≤ 10 mm graphite remains) and replace them, if necessary.

PARTS LIST

No.	Description
1	Casing, black, white, or brushed steel
2	Security hex screw, (2 reqd.)
3	Security hex wrench
4	Blower housing, upper
5	Motor rubber, large
6	Motor
7	Motor rubber, small
8	Blower housing, lower
9	Heating element
10	Air outlet
11	LED panel
12	Air outlet bracket
13	Timer, with IR sensor
14	Sensor bracket
15	Rubber bushing (4 reqd.)
16	Base plate
17	Grounding screw
18	Filter kit (option)
19	HEPA filter kit (option)
20	P-clips
21	Insulation mylar
22	Terminal block
23	Sensor module







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