

From now on, you are the owner of an original, absolutely handmade, numbered

MERCURANO®--XXX--.....

(No:....X... Construction number:..X..... Month and year of production:..X.../201X) fan-sculpture.

Our manufacture produces only few (10-30 pieces) of them each year, therefore we can say that you are the owner of a unique collector's item.

Thank you very much for taking us into your confidence and bought our creation. We hope that you will have pleasurable esthetical moments by MERCURANO®.

The MERURANO® fans take you and your friends to a non-existing technical age which is antique and futuristic, simple and astounding at the same time.

The use and operation of them give you pleasure but does require some attention.

Please, before you unpack and start operating the fan, study the whole document carefully, and please keep the instruction leaflet.

The appliance can be operated by individuals more than 14 years old. It must be depowered and locked if there are children.

In case of physical, sensory or mentally handicap or no experience the use of the fan should be supervised!

The appliance can be operated ONLY by the designed transformator provided!

On the back of the fan there is a rating plate with the **CE** marking providing the following details:

Rotational speed per minute: 30-350 Supply voltage: 5V Electric power: X W

Year of production: ...21XX... Serial number: ...X..... Weigh: ...X.....

The name: „**MERCURANO®** „, is Registered Trade Mark (since 2015).

01. DELIVERY INSTRUCTIONS

Please, deliver the fan every time only in the original package, laid down. In the layed position on each side the arrows should point upwards. The top of the box is marked with 'UP'.

When you unpack the fan, please remove the lid of the box in layed position.

Please keep the original dimensioned and structured packaging since it ensures the safety of delivery each occasions.

When you wish to deliver the product any other times, please, place it layed in the way it was originally.

The layed position avoids hits and damage of the fan in case of rolling over.

Only properly closed (with adhesive tape, or well tied) delivery box can keep safe mechanically the electric fan.

When you box the fan again, please pay attention to keep the blades in their original form and status to avoid stretching or deformation.

The original „MERCURANO® – M.tb de_Sign” package is not waterproof (since it is made from paper) and it is forbidden to lay it down or turn it upside down. It is forbidden to put anything on it, it doesn't have bearing capacity.

02. CONSTRUCTION

There are in the box

- A MERCURANO® Art Nouveau Electric Fan model of your choice
- A unique power supply 230/5 Volt which is necessary for the installation of the fan
- 2 pieces of spare fuse for the power supply
- this instruction booklet and SELF-CERTIFICATE (two languages)
- others, specified:.....

Take the fan out of the box holding its long columns with two hands firmly. Please do not touch the blades!

After you pulled it out, place the fan on a horizontal even surface. Some thoughts about how to place it safely:

It is strictly forbidden to put it on a metal surface!

Don't use it on a soft surface such as a bed or an armchair. Use it on solid surfaces (tables, shelves, cupboards, fireplaces, base, stone, stages).

Don't put it on uneven, not balanced places- where the product can sway- don't modify the base of it. If it sways, the surface is uneven and not suitable.

Always check the stability before put it on!

It is forbidden to put any small object under the legs of the electric fan (for example a beer mat, etc). Don't put it into a small place where the blades can be hurt - not even temporarily.

Before switching it on make sure that the blades can turn freely by starting them by hand.

It doesn't hurt even at the highest speed but some can be scared - which can cause more trouble.

In workplaces, places of amusement, dance or physical training, please place it in a high place, well separated.

You must be sure that nobody's face or eye can be hurt, so we must warn you to put the mobile sculpture in a spacious and well illuminated place.

If you place it in a public place such as the counter of a bar, please avoid people touching it, switching it on and off, or change the speed of it! If it is possible, it should be operated by one person.

Don't use it close to plants (the air-blast can blow the leaves into the blades).

You should acutely be careful with children to protect the product, but to avoid accidents, too. (A child can put his hands into the blades, push it, switch it on and off, or can disassemble it, which causes losing warranty.)

The biggest danger is to cause a short circuit, which can damage the appliance completely.

It is typical that children play with fans, insert their fingers, a pencil, pen or other objects because they enjoy the voice of it. In case like this the blades can be hurt (and they will be) and the sculpture may capsize, which causes more problems.

If a child is alone in the room, it's not enough to turn the fan off, but drag out the transformer from the electric socket, or drag it out from the fan and lay it on a safe place (close it). Rules can be easily kept when we apply them to protect ourselves, the loved ones or the fan itself.

You should be aware the animals in the room (cats, dogs, birds!)

We have learnt the lesson: the cat of the creator of MERCURANO ® fans enjoys playing with the blades, too.

Preferably choose a place in a high, protected and imposing area. The best and favourable places are the corners of a room from the esthetic and safety point of view, too - our 20 years of experience says it.

Don't put the fan in the way or next to it. Never put table fans on the floor (except the big 1,5m high fans).

Even the big 1,5m high structures shouldn't be put into a place where you can walk them around.

Don't use or switch it on in a dark room!

Primarily it is an ornament, not an article for everyday use.

03. INSTALLATION

At the installation you should pay attention of the followings:

- It has to meet the standards mentioned above.

- You need to place the transformer well and safely, right next to the fan. Make sure that nobody can kick the wire which can break contact or in some cases can cause the turnover of the fan.

- All in all: please place the fan very carefully even if it is a temporary placement.

- The transformer should be plugged - there must be an electric socket (230 Volt) nearby.

- After you have organised all of the things above, you need to set together the YELLOW COLOUR adapters (electric fan - transformer). Now you can switch it on.

To switch the fan on you need:

- to plug the electric plug (230 Volt).

- to connect the transformer with the fan.

- to switch on the the primer wire (230 Volt).

- Sometimes you need to start the fan by hand clockwise.

- You need to regulate the speed with the handle.

- If the speed changes, you can regulate it again as you wish.

Please switch the MERCURANO ® electric fan on only when it is safe. Please, consider every circumstances.

Now the fan can be installed.

We wish you many pleasurable hours with the fan.

04. The MERCURANO ® Electric Fans - product description

1. General description

These unique constructions are not objects of everyday use.

Despite this they can be installed and you can use them safely in everyday life.

The MERCURANO ® Art Nouveau Electric Fans commemorate the great inventors of the electricity and also show possible mechanical or technical solutions in building special constructions.

In contrast to common fans available these mobile sculptures don't have a grille.

We omit the grille only because of esthetic reasons, the art and the slow motion of the blades would not show up with it. You can see the speed of the mobile sculptures in the films which are linked on the homepage. Most of the films were taken in slow motion, but by the end of them there is a part which shows the real speed of the fans while they slow down or speed up.

MERCURANO ® electric-fans don't have grilles and this is a **FUNDAMENTAL CONCEPTION**.

(The setting of grills is controlled by the standards of The European Union, and these products meet the standards. You can read about it in great details at the ' Standards, **CE** ' point.)

The speed of MERCURANO ® fans is slightly instable!

That is why we need to reset it gently with the handle.

The instability is caused by its low rotational speed. This is 4 or 8 % instability on low rotational speed is unavoidable.

Our many years experience says that these fans probably have SOULS, therefore they speed up or slow down sometimes . They are like instruments which need to be tune up or moody women - we need to play with them a little.

This is interactivity, you need a constant connection with the electric fan - but the variation is invisible most of the time.

However, we have never been blamed because of the variation.

The mobile sculptures work with 5 Volts. No dangerous voltage is present in the device. The exception is the transformator, but it is an absolutely separated unit which supposed to transform 230 Volts into 5 Volts.

There is no mains voltage (230Volt) in MERCURANO ® electric fans!

If in the future we will produce models with higher voltage (the maximum is still 24 Volts) there will be a special sign on that product.

The type owned by you works with 5 Volt.

We would like to remind the reader that toy electric trains used by children work with 12 Volts. 5 Volts voltage means 3 pieces of AA batteries, so there is no danger neither for humans nor for animals.

2. Security instructions

Because of security reasons we put down the rotational speed to the minimum. While a normal fan sold in shops has 2000 turns per minute, these constructions has minimum 40, maximum 300 turns/min. Using with the slowest speed you can even read the signs on the blades. The speed can be steplessly variable with a handle.

We kindly ask to not to use on high speed without control or close to children.

Also please don't let a functioning appliance alone with children.

The ideal limits of speed are configured by the producer of the mobile sculpture considering safety.

It is sealed with an own „M.tb” lead.

!! It is forbidden to remove the seal or change the original configuration!! No warranty applied without the original lead or with a broken seal. Removing the seal also causes evading any type of responsibility of the producer.

We use this sealing since 2002.

Don't use it with a different power-supply, it can damage the product- and also cause losing the warranty.

Don't short-circuit any parts of the fan with anything (for example with a tool, a piece of wire, nail, screw, pen, etc)! Don't put it into humidity or wet surface or in an area where water can drip on it (such as greenhouse).

Using a different power supply can be extremely damaging. Probably the fan would be absolutely ruined straight away. Any this sort of action causes losing the warranty.

3. Instructions to Use

This construction (electric fan- mobile sculpture) is an ornament, which can be functional with control.

The whole build is own planned, unique hand made cap- a pie from our own workshop with these labour process:

- pouring (aluminium, grass, bronze, iron) into sand- moulds
- metal cutting (done by hand such as rasping, milling, surfacing, drilling, tapping, burnishing, polishing and so on)
- electric construction (electronical, power)
- electronic construction (speed and other settings)
- assembling and running in, quality control
- packing into our own designed boxes.

The construction gets 5 Volts EU standard power (AC) from the 230 Volt electric socket, in the wire.

It is absolutely forbidden to use it with any kind of different power supply, it can cause the ruin of the fan, and loose the warranty!

It is forbidden to open any wires.

Every electric fan has microelectronic semiconductor parts (integrated circuits, diodes, transistors etc.) which can broken by any kind of different power supply.

These semiconductors are inside the constructions, don't look for them, they are visible only by opening it- which is blocked by the M.tb lead. Removing the unique lead cause loosing the warranty.

On the top of the inductor there is a handle you can set the speed with.

Rotational speed: adjustable within approx. 30/min - 300/min- as requested. These minimum and maximum rates vary from (approx. 10%) different products.

At low speed the product is an esthetic object, on higher speed it is functioning as a fan- not as efficiently as a common fan, but this product is not desiged for that!

Though the construction can bear everything in intended use, and it is prepared to meet exceptional needs, please use the original function, use the MERCURANO ® fan as an ornament.

Therefore please use it on SLOW.

Many conductor parts of MERCURANO ® fans are visable, which is unusual.

it is not dangerous (5 Volt)

this is a part of its unique design (reminds us the old time electric appliances)

it can cause damage in case of inefficient or brutal use.

The last point mentioned above can cause short circuit. If the wires, and other parts touch each other also causes short cicuit, damage of the transformer and inoperativity of the fan.

Therefore please do not touch the fan with any sort of metal object!

4. Maintaining

The MERCURANO ® - Art Nouveau Electri Electric Fan is a sculpture, on the other hand is a mechanical operable device.

So we need to clean and maintain it also considering these two aspects. As a sculpture it may be dusty and can be dirty by human activities. As a mechanical device may deteriorated or broken down because of extreme impacts.

On the one hand it needs dust-control, on the other hand it needs maintaining- but because it doesn't break down (excluding extreme impacts) it doesn't need maintining just a repair if breakdown.

There is a MERCURANO ® - Art Nouveau Electri- Orageuse fan in an office of a friend of mine - since 1997. It has been working every day without any breakdown for nearly 20 years.

The MERCURANO ® Art Nouveau Electric Fans are hand made and have variable, different metal parts. The dust settle on them- there are different methods to remove it.

First cut of the mobile sculpture from the power step by step: 1. turn it off. 2. unplug it.

In our opinion, the best solution is cleaning it with compressed air. For example use air duster aerosols which are available in PC shops. The hoover is a bit worse than that. The tube of the hoover can graze the surfaces, not to mention the unreachable narrow places.

Brushes aren't good also- but they are ideal for the non-electric parts (handles for example). We use a brand new shaving brush, in our opinion this is perfect .

The worst are feather dusters or a dry cloth -which are weapons of cleaning ladies- especially at the electronic parts (balancer, reelings). The brush can foul into the cables, and may rend or move cables.

Your cleaning lady should be banned from cleaning your MERCURANO ® Art Nouveau Electric fan!!

After cleaning the surface from most of the dust, the blades and the other metal surfaces can be cleaned normal with a slightly wet VILEDA cloth or with buckskin.

The wet wipe should always be after dusting! The cloth must be clean or new to avoid dirtying the fan with old dust or sand.

Don't use foaming or alkaline detergents, washing cream, too wet cloth, petrol, white spirit, or nail polish remover. The spiral supply line of the engine is very sensible (you might have it on your appliance). If it is hurt during the cleaning for example pulled or dragged, it lengthens and won't get back the original form.

Young children would happily drag this part of the construction - they feel very well which part is the most vulnerable- please put the device in a safe place - to be unreachable for children.

If you find it too sensitive, just think about how to take care of a classic record player. A MERCURANO ® Fan is a delicate ornament.

The construction doesn't need any maintaining for years - practically never.

You can take care of those of the MERCURANO ® Art Nouveau Electric fans which have wooden parts (for example: MERCURANO ® Oxygene LuxuryGold or MAHAGONY) with some good quality polish once a year. It should be done with a piece of cotton wool in a thin layer. After this you should chafe the surface with a piece of wool and clean the metal parts from wax with another piece of clean cloth.

It is forbidden to use any other type of furniture polish -spray .

It is absolutely forbidden to oil the product, take it apart or use it with different power supply!

05. STANDARDS, CEE

From the Standards of The European Union the

EN 60335-2-80

(MSZ EN 60335-2-80)

concerns MERCURANO ® Electric Fans. This standard includes which criteria should be kept for household goods, fans or low-voltage appliances.

We had respect for each points of it in desining, producing and marketing.

The standard says:

- each fan should have a grill if its peripheral speed is more than 15m/sec (on the highest speed)
- the blades of the fan should be rounded off ($r=0.5\text{ mm}$)

Every of MERCURANO ® fans meet these requirements. (Our blades' peripheral speed on the highest speed is maximum 8m/sec.) The edge of the blade of the fan is rounded off in the standardized way, or even more.

This is the reason why we can completely omit the grill, therefore the blades are fully visible.

This is a fundamental conception, and we will keep it in the future.

Between the power supply (the transforator) and the electric socket there is an electrical switch, which can de-energise the appliance to meet the standard.

With the same switch we made sure that there is no standby current.

All of the structural parts are adapted to the RoHS directives and do not contain any dangerous or forbidden components.

To prove this, at the production we prepare a certification.

The electric components (wires, solder, rectifiers, insulators and switches) also adapt to the RoHS directive and a certificate about it is available.

Certainly the electric motor also standard, adopt to the RoHS directive, and CEE qualified.

The productur of the electric motor: TRANSTECNO - Bologna

model:EC 020.120

Produced since 2006.

The components and materials are CEE qualified (European Communities).

The electric engine is tested respecting the 89/336/EEC directives.

06. GUARANTEE

Regarding the function (speed, operating hours) this construction is an oversized one.

Urban legends say that articles of personal use are designed to ruin after a while.

In contrast, MERCURANO ® Electric Fans are designed to be indestructible and monstrous. They are the Rolls Royce of fans. Our aim is having fully satisfied costumers or collectors recommending us to their friends.

The quality, size and strength of it exceed the need.

All parts (the engine, balancer, frame) are able to take about a hundred times more encumbrance than what it gets in normal operating.

Please don't forget that this is actually a functioning ornament.

The warranty covers the engine , if it breaks down we change it unless it caused by a person, or object.

No warranty if ruin is caused by a different power supply.

No other parts can break down only in case of intervention, which unfortunately isn't warranted.

Material diffect is guaranteed for 1 year. Please always return the fan in the original packaging!

The failure of the inductor - if the M.tb lead and other signs are intact - is guaranteed.

No warranty - non-exhaustive list:

In case of any ruin of the lead.

There are no guarantees of any kind of ruin of the blades (a crush, scratches, ruins caused by inappropriate cleaning (use of petrol) or disassembling - flying blades away) but of course we fix all the problems.

No guarantees in case of any breaks, paint erosion, deformation, cracks, the list is not complete but suggestive.

In practice, no warrantees for any external marks.

If any problems accure, please :

-check if there is electricity in the electric socket 230 Volt)

-check the fuse in the (the switched off, unplugged) transformer (twist left). The burn of it is mostly visable.
(You can find it on the top of the transformer with "FUSE" sign.)

If you are not sure, still change it to an equal one, two of them are provided in the original package.

This fuse is standard in the European Union, it is available at electronics supply shops.

Value: 2 Amper

-If the problem still occurs, please check all of its adapters and connectors (in the wall, the wires, and the yellow ones)

-move the speed handle, start the blades clockwise

-finally call an electric expert who will read this explanation. The leaflet contains a circuit diagram to clarify the work of the construction.

-write a detailed, possibly photo documented email for us.

Email address is: (mtb@t-online.hu)

The metal, concrete or plastic parts can be ruined only by strong external action. No warranty for them.

Only functional problems are warrateed, not esthetical ones.

Electric problems are warrateed for 1 year.

It starts on te day of the purchase filling in, stamping and signing the warranty card in the shop.

No warratees without a valid warranty card.

In case of warratee the postal fees are payed back when the case closes.

Any product accepted only in the original package, no warrantees for fans sent in other boxes.

The constructions are very fine and sensitive, therefore delivery in any other boxes will harm them.

Non-warranted repairs are done and charged together with the postal fee by the manufacture.
Let us remind you again all of the seals must be whole, otherwise the product loses warranty.
Please, ask the validation of your warranty card in the shop!

Place and date of the purchase:

.....XXXXXXXX.....

Stamp and proper signature of the shop:

.....XXXXXXXXXX.....

Electrical wiring diagram

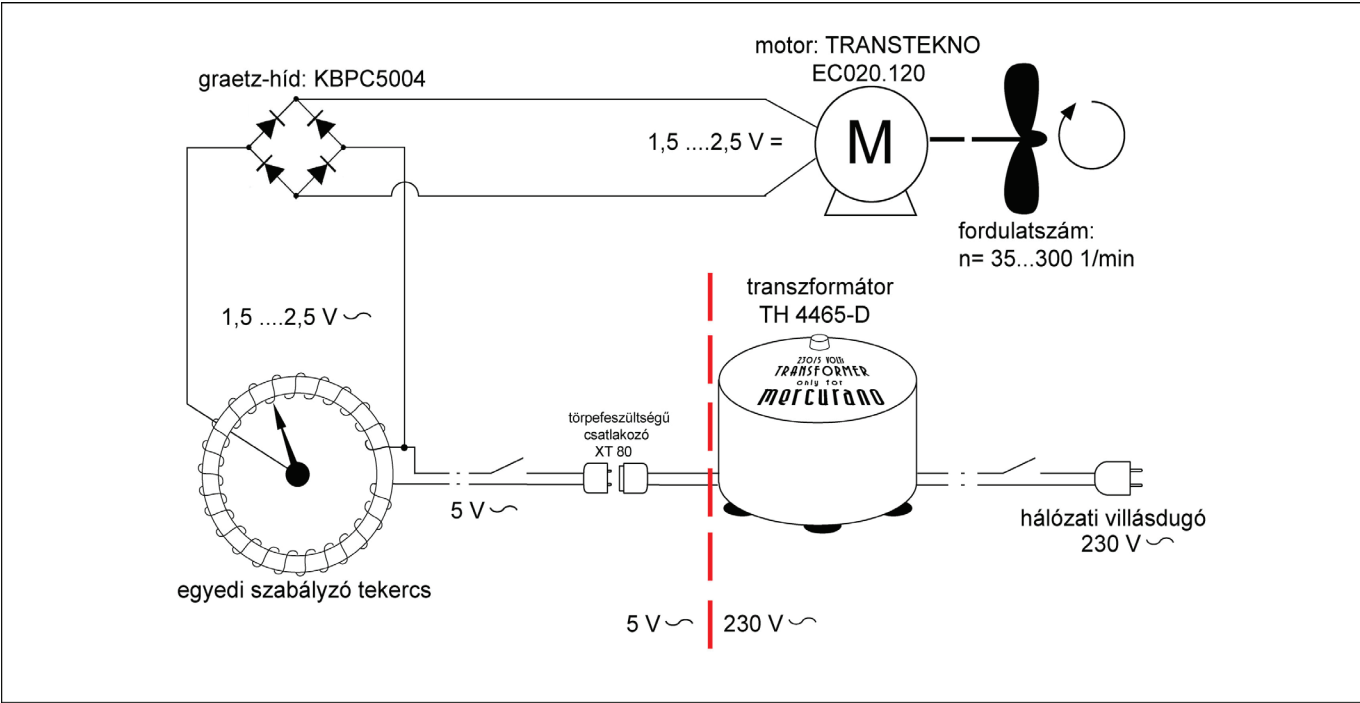


figure legend

- | | |
|---|-----------------------------------|
| 1 electric wire box (sealed) | 8 the shell of the electric motor |
| 2 on and off switch (at the back or on the right hand side) | 9 blade core |
| 3 coil | 10 the spinward of every fans |
| 4 lid of the coil | 11 columns of the fan |
| 5 wire (electricity for the motor) | 12 the seal of the coil |
| 6 rectifier box | 13 speed-controller |
| 7 blade of the fan | 14 electric fan base molding |
| | 15 non-skid insulators |

