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24 April 2024

## **OJ Declaration on Environment and Materials MRHX-3P04N, 8Nm stepper motor for rotary heat exchangers**

### **Environmental commitment of OJ Electronics A/S**

#### **Green vision**

OJ Electronics will continue to develop intelligent solutions, which provide maximum comfort with minimum energy consumption.

#### **Green strategy**

For OJ Electronics sustainability is a business approach that aims to achieve the best possible outcome not just for ourselves, but for our stakeholders and the environment too.

#### **Impact**

In all our business decisions and processes, we at OJ Electronics seek to strike a responsible balance between economic, human, and environmental considerations.

### **Products concerned**

Reference product is OJ item number MRHX-3P08N-03C5, 8Nm stepper motor for rotary heat exchangers:



Data are also representative of item numbers  
MRHX-3P08N-03C7  
PM-82034103  
PM-82100003

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## Constituent materials

The products consist of the following fractions:

Material *)	Weight (g) *)	Weight % of total
Steel	4311	77%
Aluminum	327	6%
Copper	603	11%
Plastic, nylon	7	< 1 %
Dacron/Mylar/3240 epoxy	57	1%
Electronics/cable	276	5%
Total	5581	100%

\*) Data on materials and weights are provided by OJ supplier. Weights may vary slightly.

We declare that to the best of our knowledge the products meet the requirements of RoHS3, Restriction of Hazardous Substances Directives 2011/65/EU (RoHS2) with amendments, including Directive 2015/863/EU (RoHS3).

We declare that to the best of our knowledge, the products meet the requirements of REACH, Registration, Authorisation and Restriction of Chemicals, European Union Regulation (EC) 1907/2006 with amendments. This meaning that there are no Substances of Very High Concern (SVHC) present in concentrations above the limit of 0,1%, referring to the SVHC-list of 23<sup>rd</sup> of January 20224.

We declare that to the best of our knowledge the products meet the requirements of POP, Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants with amendments.

To our knowledge, no nano materials or micro plastic have been intentionally added to the products.

## Packaging

Products are individually packed in plastic bags and packed in layers of plastic foam. Products in bag and foam are packed in cardboard boxes for transportation. Box size for transportation depends on size of order.

Material	Approximated weight, per unit (g)
Plastic foam	115
Plastic bag	5

Smaller orders are shipped in cardboard boxes. For larger orders, cardboard boxes may be stacked on pallet and wrapped or strapped.

Pallet: Euro pallet, heat treated according to ISPM 15  
Wrapping foil: Plastic, LLPDE  
Strapping: Plastic, PP

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Customer specific products might be packed differently on request from customer.

## **Manufacturing**

The products are manufactured in China, under the responsibility of OJ Electronics A/S. Manufacturing plant and OJ Electronics A/S holds a certification according to ISO 9001.

## **Installation**

For the installation of the products only standard tools are needed.

## **Use**

No consumables are necessary to use these products.

## **End of life**

Development team at OJ Electronics A/S aims to integrate product end-of-life factors in the design phase.

## **Hazardous Waste**

No hazardous waste, since products do not contain substances in concentrations above restrictions according to REACH, RoHS and POP and contain no batteries.

## **Recycling**

Recyclability rate is estimated to 95%.

Products can be separated and recycled in the fractions mentioned under "Constituent materials".

Packaging is 100% reusable or recyclable.

Best regards

OJ ELECTRONICS A/S

  
Karin Schmidt, QHSE Coordinator