

KVB / KVD / KPB / KPD / MVENT / MVEC

Operating Instructions / Manual de instrucciones / Manual instruções

CE



GENERAL INSTRUCTIONS

The following instructions must be considered as an integral component of this product, and the installer person must take care to abide by them, and be sure that this manual is kept and its instructions respected for further manipulations of the product.

The manufacturer, Systemair, stress the point of his request, that the product must be installed by a qualified person.

Always remember that wrong installation might cause important troubles or damages to people, animals or objets, in which case, Systemair would not accept claims or responsibilities for such damages, if the instructions of this manual are not respected.

Once the product is unwrapped, make sure that it is in good shape. If you are not sure of it, please contact the supplier.

All packing elements, palettes, plastics, staples, etc, must be thrown to the corresponding recycling binds, and in case of not possibility, to insure that they are not leave at random, since these elements are a potential source of danger, and always bearing in mind to harm as less as possible the natural environment.

When proceed for a cleaning or maintenance operation, the product must be disconnected from the electric supply.

Never block the inlet or outlet, and protect both from involuntary contact, and do the same with the shaft(s), pulley(s), belt(s), and rest of turning/moving components. Systemair has a wide range of protection articles for these purposes, and you are invited to consult them in our catalogue

In case any damage or bad function of the product happens, do not try direct repair or manipulation, and contact the supplier. The not compliance of this rule means the loss of the product guarantee.

When it is decided the life product is finished, all components or the product itself, susceptible of being dangerous, must be recycled or destroyed, always taken into account to damage as less as possible the environment.

This product must be used only for the purpose it has been designed, and therefore it must be considered unsuitable or dangerous for any other purpose.

Mistakes in the installation or use of the product, will be considered as not compliance of the indications of the manufacturer, and therefore Systemair will not accept any claim or responsibility for this

INSTALLATION AND MOUNTING INSTRUCTIONS

The maximum R.P.M indicated on the technical label of the product must never be exceeded. If not, the product can cause harm to people, animals or objects, and the manufacturer will not accept responsibility for this.

Previous check

This product left the manufacturer premises in perfect working conditions. However, check it before installation, because damages could have occurred while it was transported.

Pulleys

Take care that pulleys are perfectly aligned with each other, and in perfect perpendicularity with the shaft where it is mounted.

Belt(s)

It must be tightened to the V-belt manufacturer recommended specifications.

Check control of the product components

- Make the shaft(s) turning by hand and make sure they turn freely.
- Clean the product before installation.
- Check that motor(s) turn on the right direction.

Maintenance

- Check always the product before putting it at work, and after having remained at stand still for a long period of time.
- Check all bearings once a month, and if necessary, apply the suitable grease.
- Revise the belt(s) tightened once a month.
- Revise the fan impeller and housing once a month.

Bearings

Bearings of the different components on this product are already lubricated, and therefore they must not be lubricated before the first installation of the product. Under normal working conditions, bearings must be lubricated after 20.000 working hours or 2 years, whichever is first, and for lubrication, it must be used Lithium based grease with the specifications Type K3K-30 DIN 51825 and consistency NLGI-3. Bearings must not be removed from their housing for lubrication purposes.

ATTENTION

All products equipped with electric and moving rotors with IP protection degree (CEI Standard) must be kept out of people reaching, and in case of need protected by the necessary elements. Systemair manufactures a wide range of components for protection. Please consult our catalogue.

Installation of the product, must be done according to the rules applying in each country.

GENERAL RULES REGARDING THE ELECTRIC SUPPLY TO THE PRODUCT

According to the safety rules, products using electricity must be connected to an efficient ground electric gateway. In case of doubt ask for a deep electric installation check and be sure that it is carried out by a qualified person. The manufacturer of this product will not accept any claim for damages caused by the lack of a ground wire in the installation.

Check that the electric installation is the right one according to the maximum product electric input, and make sure that the wire section of the installation is suitable for the product electric input.

According to the safety rules, an unipolar switch is required for connection to the electric supply.

When using products consuming electric energy, it is obligatory to respect the following fundamental rules:

- Do not touch the product when part of the body is humid or wet, or when bare feet.
- Do not pull from the electric wires.
- Avoid the product exposure to atmospheric agents (snow, rain, sun, etc)
- Never allow the product manipulation by unqualified persons.

The person(s) installing this product must make sure that once it will be at work, this complies with the following directives:

- Low Voltage Directive (2006/95/EC and CE/93/68).
- Machinery Directive (CE/98/37).
- Electromagnetic Compatibility Directive (2004/108/EC)

“CE” Declaration of Conformity

The company **KOOLCLIMA SYSTEMAIR S.L.U.**
Established at **Calle Montecarlo 14, Pol. Industrial URANGA, Fuenlabrada – MADRID.**

Declares upon his own responsibility that the series MVEC, MVENT, KVB, KVD, KPB, KPD

Year of construction **2010**

Comply with the following CE directives:

98/37/CE Machinery Directive.
2004/108/CE Electromagnetic Compatibility Directive.
2006/95/CE Directive for Electric Materials to be used with tension limits.

And the following UNE normes:

UNE-EN 12100 – 1 **Machines Security.** Basic concepts. Generales rules for design. Part:1 Basic Terminology, methodology.
UNE-EN 12100 – 2 **Machines Security.** Basic concepts. General rules for design. Part 2: Bases and technical specifications.
UNE-EN 294 **Machines Security.** Distance of security to reaching dangerous zones with arms and hands.
UNE-EN 60204 – 1 **Machines Security.** Electric equipment in Machines. Part 1: General requirements.
UNE-EN 1050 **Machines Security.** Bases for risk evaluations.

Name **Raúl Corredera Hänner**
Post **D. Gerente**
Place and date (dd/mm/yy) **Fuenlabrada, 15 / 07 / 09**

Firma  _____

Warranty Certificate

KOOLCLIMA - SYSTEMAIR S.L.U.

***Warranties this product
against any manufacturing default or defective materials
for a 3 years period
to be counted from the delivery date.***

***During this time, replacement of defective materials or the product itself will be made free of charge,
and only the handwork needed for the replacement will be invoiced.
Replacement or repairing in the factory will be decide by
KOOLCLIMA SYSTEMAIR S.L.U.
for each case.***

***The warranty does not cover the cost incurred by the technician travelling to site,
KOOLCLIMA SYSTEMAIR S.L.U.
could decide whether to make the visit, or either to give the indemnities that we
understand to be correct.***

***In case of wrong use of the product, manipulations or modifications not authorised,
unpayment of this or other invoices, claims made by persons other than the direct buyer, the
no compliace with any of the rules applying (health and security, energy saving, etc),
destination to performances different to the agreed ones, and any other uncompliance of the
legal rules and reglamentations applying. KOOLCLIMA SYSTEMAIR S.L.U. will not accept
any responsibility and the present warranty will not apply.***

***In case of defective components not manufactured by us (electric motors, etc), KOOLCLIMA
SYSTEMAIR S.L.U will transfer to the buyer the same warranty received from the
component manufacturer***

Fuenlabrada, 15th. de July 2009,



D. Raúl Corredera Håner

General Manager

Koolclima-Systemair, S.L.U.
C/ Montecarlo, 14 Pol. Ind. Urange
28942 Fuenlabrada (Madrid)
Tel.: +34 91 600 29 00 • Fax: +34 91 600 29 08
