

2014-02-25

Manufacturer's declaration of conformity

with EU Machine Directive 2006/42/EC
EU Electromagnetic Compatibility (EMC) Directive 2004/108/EC
EU Low Voltage Directive 2006/95/EC and
EU ATEX Directive 94/9/EC

applying to products that are part of a machine or are installed together with another machine or equipment to form a single assembly.

Manufacturer: ÅKERSTEDTS VERKSTADS AB
Broholm 1
535 91 Kvänum
Sweden

Products: Radial fans type FML, FKL, FAM, FAH, RGF, LTF
Axial fans type LPMA, LPMB

The products must not be put in use until the machine or equipment in which they form integral parts conform with the requirements in the Machine Directive, EMC Directive and Low Voltage Directive of the EU. **The environment in which the product is designed to operate must be Ex classified in accordance with SS-EN 60079-10 (Gas) and/or SS-EN 61241-10 (Dust). For these products, ATEX class shall apply: Group II Cat. 3/- Gas or Group II Cat. 3/- Dust.**

Applicable harmonization standard, especially:

- EN ISO 12100-1, "Safety of machinery - Basic concepts, general principles for design - Part 1: Basic terminology, methodology"
- EN ISO 12100-2, "Safety of machinery - Basic concepts, general principles for design - Part 2: Technical principles"
- EN ISO 13857:2008, "Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs"
- EN ISO 14121-1:2007, "Safety of machinery - Risk assessment - Part 1: Principles"
- EN 61000-6-1, "Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments"
- EN 61000-6-2, "Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments"
- EN 61000-6-3, "Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments"
- EN 61000-6-4, "Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments"
- EN 60204-1, "Safety of machinery - Electrical equipment of machines - Part 1: General requirements"
- SS-EN 14986:2007 "Explosive atmospheres - Design of fans working in potentially explosive atmospheres"
- SS-EN 13463-1 "Non-electrical equipment for use in potentially explosive atmospheres - Part 1: Basic method and requirements"
- SS-EN 13463-5 "Non-electrical equipment intended for use in potentially explosive atmospheres - Part 5: Protection by constructional safety 'c'"

Applicable national standards and technical specifications, especially:

- VVS AMA 98

Risk analyses have been prepared for the products in accordance with the requirements in the Machine Directive.

This declaration only applies if installation of the fan has been done according to the instructions supplied by Åkerstedts and on condition that the fan has not been modified.

Kvänum, 2014-02-25


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Markus Åkerstedt, CEO