

## EU Declaration of Conformity

Lafert S.p.A.

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hereby declares, under our sole responsibility, that the  
**Drive Component of the package HP Combi Flow | Type: XCF**



has been designed and manufactured in accordance with the following UK harmonised standards:

### Safety:

BSEN 61800-5-1:2007 & A11:2021 Adjustable speed electrical power drive systems.  
Part 5-1: Safety requirements. Electrical, thermal and energy (IEC 61800-5-1:2007).  
BSEN 61800-5-2:2017 [as relevant] Adjustable speed electrical power drive systems.  
Part 5-2: Safety requirements – Functional (IEC 61800-5-2:2016).

### EMC:

BSEN 61800-3:2018 Adjustable speed electrical power drive systems.  
Part 3: EMC requirements and specific test methods (IEC 61800-3:2017).  
BSEN 61000-3-12:2011 Electromagnetic Compatibility (EMC).  
Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16A and < 75A per phase (IEC 61000-3-12:2011).

### Eco-design:

BSEN 61800-9-2:2017 Adjustable speed electrical power drive systems.  
Part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications – Energy efficiency indicators for power drive systems and motor starters (IEC 61800-9-2:2017).

### RoHS:

BSEN 63000:2018 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances (IEC 63000:2016).

### Following provision of the UK regulations:

Electrical Equipment (Safety) Regulations 2016 (1101)  
Electromagnetic Compatibility Regulations 2016 (1091)  
The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019 (539)  
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (3032)

**Supplementary Note:** The VSDs fulfil the requirements of EN 61000-3-12 without the need for external line reactors according to the THC values specified in Table 3 for values of  $R_{sce} > 185$ .



Only the "Safe Torque Off" (STO) function of the drive may be used as a safety function of a machine. None of the other functions of the drive can be used to carry out a safety function.

The UKCA marking and conformity are only valid if the product has been installed in a drive system in accordance with the product User Guide delivered with the product.

Signed for and on behalf of Lafert S.p.A.:



Tiziano Rossi  
Technical Manager

1<sup>st</sup> edition: 2021, August, 06