

EU Declaration of Conformity

Lafert S.p.A.

J.F. Kennedy, 43 – I-30027 - San Donà di Piave, Venice - Italy
Phone +39 / 0421 229 611 – Fax +39 / 0421 222 908 - www.lafert.com

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 European harmonised standards:

Safety:

EN 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).
EN 61800-5-2:2017 [as relevant] Adjustable speed electrical power drive systems.
Part 5-2: Safety requirements – Functional (IEC 61800-5-2:2016).

EMC:

EN 61800-3:2018 Adjustable speed electrical power drive systems.
Part 3: EMC requirements and specific test methods (IEC 61800-3:2017).
EN 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:

EN 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:

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

Following provision of the council directives:

2014/30/EU (EMC) and 2014/35/EU (LVD)
2006/42/EC (Machinery Directive)
2009/125/EC (Eco-design) & Regulations (EU) 2019/1781 & 2021/341
2011/65/EU (RoHS) modified by delegated directive 2015/863

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 CE 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

1st edition: 2021, August, 06