

Declaration of conformity

Manufacturer : EMZ GmbH
Richardstraße 70
45661 Recklinghausen - Germany

Product range: Frequency converter

Type
FITxH..., FITH...

hereby declares that the above named product range has been designed and manufactured in accordance with the following European harmonised standards

Safety:

EN 61800-5-1:2007 + A1:2017 Adjustable speed electrical power drive systems. Safety requirements. Electrical, thermal and energy.

EN 61800-5-2:2017 Adjustable speed electrical power drive systems. Functional safety requirements. [as relevant]

EMC:

EN 61800-3:2018 Adjustable speed electrical power drive systems. EMC requirements and specific test methods.

Harmonics:

EN 61000-3-12:2011 Limits for harmonic currents produced by equipment on low voltage systems (>16A and ≤75A per phase).

EN 61000-3-2:2019 Limits for harmonic currents produced by equipment on low voltage systems (<16A per phase).

Eco-design:

EN 61800-9-2:2017 Adjustable speed electrical power drive systems. Energy efficiency indicators.

following provision of the council directives:

2014/30/EU (EMC) and 2014/35/EU (LVD)
2006/42/EC (Machinery Directive)
2011/65/EU (RoHS 2)
2009/125/EC (Eco-design)

Supplementary Notes :

The EMK HVAC VSDs fulfill 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.

Recklinghausen, 01.08.2021
Deniz Beese
Chairwoman

This Declaration confirms conformity with the guidelines mentioned. However, this is neither a quality nor durability warranty acc. §443 BGB. Please take notice of the safety notes supplied with the product documentation.