EU DECLARATION OF CONFORMITY

Enertronica Santerno S.p.A.

Via della Concia, 7 – Castel Guelfo (BO) - Italy

as a Manufacturer

DECLARES

under its sole responsibility that the Variable Frequency Drives of the **PENTA MARINE** series with related accessories and options:

PENTA MARINE	
PENTA MARINE S05	PENTA MARINE S30
PENTA MARINE S12	PENTA MARINE S32
PENTA MARINE S14	PENTA MARINE S41
PENTA MARINE S15	PENTA MARINE S42
PENTA MARINE S20	PENTA MARINE S51
PENTA MARINE S22	PENTA MARINE S52

which this declaration relates to, when applied under the operating conditions given in the User Manual, following the provisions and comply to the listed standards:

Directives	Harmonized standards		Description
Machine Directive 2006/42/EC Annex VIII and IX	EN 60204-1:2018	Stop Category 0	Safety of machinery – Electrical equipment of machines – Part 1: General requirements
	EN ISO 13849-1:2015	Performance Level (PL): PL 'd' "Safe Torque Off"	Safety of machinery — Safety related parts of control systems - Part 1: General principles for design
	EN 61508-1:2010	Safety Integrity Level (SIL): SIL 3 "Safe Torque Off"	Functional safety of electrical/electronic/ programmable electronic safety-related systems - Part 1: General requirements
	EN 61508-2:2010		Functional safety of electrical/electronic/ programmable electronic safety-related systems - Part 2: Requirements for electrical/electronic/ programmable electronic safety-related systems
	EN 61800-5-2:2017		Adjustable speed electrical power drive systems Part 5-2: Safety requirements – Functional
Low Voltage Directive 2014/35/EU	EN 61800-5-1:2007/A11:2021		Adjustable speed electrical power drive systems Part 5-1: Safety requirements - Electrical, thermal and energy
Electromagnetic Compatibility Directive 2014/30/EU	EN IEC 61800-3:2018		Adjustable speed electrical power drive systems. Part 3: EMC requirements and specific test methods
Ecodesign 2009/125/EC Regulation (EU) 2019/1781 & 2021/341	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
Restriction of the use of certain hazardous substances 2011/65/EU & 2015/863	EN IEC 63000:2018		Tech documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Castel Guelfo, 18 October 2022
Place and Date

Giampaolo Sgubbi
Technical Director

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