



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

CERTIFICATE OF ACCREDITATION

No. 121/2023

Trane Technologies s.r.o.
with registered office č.p. 292, 280 02 Ovčáry, Company Registration No. 63989069

to the Testing Laboratory No. 1680
ETC Prague

Scope of accreditation:

Performance of functional dynamic, seismic, climatic and thermal tests for the resistance of components and products; testing of electromagnetic compatibility and electrostatic discharge immunity to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

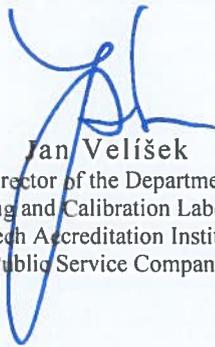
In its activities performed within the scope and for the period of validity of this Certificate, the Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 573/2021 of 5. 11. 2021, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **14. 3. 2028**

Prague: 14. 3. 2023




Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute
Public Service Company

**The Appendix is an integral part of
Certificate of Accreditation No. 121/2023 of 14/03/2023**

Accredited entity according to ČSN EN ISO/IEC 17025:2018: /

Trane Technologies s.r.o.
CAB number 1680, ETC Prague
Floriánova 2460, 253 01 Hostivice

The Laboratory provides opinions and interprets test results.

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
1	Vibration tests – sinusoidal vibration	ČSN EN 60068-2-6 ed.2; ČSN EN 60068-2-57 ed.2	Mechanical and electrotechnical components and equipment	-
2	Vibration tests – shock	ČSN EN 60068-2-27 ed.2	Mechanical and electrotechnical components and equipment	-
3	Vibration tests – broadband random vibration	ČSN EN 60068-2-64 ed.2	Mechanical and electrotechnical components and equipment	-
4	- Vibration tests – vibration and shock	ČSN EN 61373 ed.2; IEC 61373; ČSN EN 61373:2002	Mechanical and electrotechnical components and equipment used in railway applications	-
5	Seismic qualification	ČSN IEC 980:1993, cl. 6	Electrical equipment of the safety system for nuclear generating stations. Instruments, equipment, Assemblies	-
6	Environmental test – cold	ČSN EN 60068-2-1 ed.2	Mechanical and electrotechnical components and equipment	-
7	Environmental test – dry heat	ČSN EN 60068-2-2	Mechanical and electrotechnical components and equipment	-
8	Environmental test – damp heat, cyclic	ČSN EN 60068-2-30 ed.2	Mechanical and electrotechnical components and equipment	-



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
9	Environmental test – damp heat, constant	ČSN EN 60068-2-67; ČSN EN 60068-2-78 ed.2	Mechanical and electrotechnical components and equipment	-
10	Measurement of total heat transfer	ATP, Annex No. 1, Add. No. 2, cl. 1, 2	Special transport equipment for the carriage of perishable foodstuffs	-
11	Measuring the efficiency of cooling or heating equipment	ATP, Annex No. 1, Add. No. 2, cl. 3, 4, 7	Special transport equipment for the carriage of perishable foodstuffs	-
12	Determination of the efficiency of cooling or heating equipment in operation	ATP, Annex No. 1, Add. No. 2, cl. 6	Special transport equipment for the carriage of perishable foodstuffs	-
13	EMC and ESD immunity tests	ČSN EN 61000-4-1; ČSN EN 61000-4-2; ČSN EN 61000-4-4; ČSN EN 61000-4-5; ČSN EN 61000-4-6; ČSN EN 61000-4-11	Electric and electronic equipment	-
14	ESD immunity tests	ISO 10605	Components for road vehicles	-
15	Testing of electrical disturbances from conduction and coupling	ISO 7637-1; ISO 7637-2; ISO 7637-2:2004; ISO 7637-3, part 4.5, 4.7	Components for road vehicles	-
16	Testing of electrical loads	ISO 16750-1; ISO 16750-2, part 4.2 to 4.10	Components for road vehicles	-
17	Measurement of harmonic current	ČSN EN IEC 61000-3-2; ČSN EN 61000-3-12	Electric and electronic equipment	-

¹ asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

³ the laboratory does not apply a flexible approach to the scope of accreditation



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Explanatory notes:

ATP - Agreement on the International Carriage of Perishable Foodstuffs and on the Special Equipment to be used for such Carriage

EMC - Electromagnetic Compatibility

ESD - Electrostatic Discharge

