



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

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

CERTIFICATE OF ACCREDITATION

No. 380/2025

AVL Moravia s.r.o.
with registered office Tovární 605, Hranice I-Město, 753 01 Hranice
Company Registration No. 64619842

for the Testing Laboratory No. **1080**
Testing Laboratory

Scope of accreditation:

Testing of rotating electrical machines, rotating electrical machines on vehicles and switchboards 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 abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited 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.: 210/2024 of 09/05/2024, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **21/12/2027**

Prague: 24/07/2025



Signed in the Czech original:
Gor Petrosjan on 24/07/2025

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

This translation of the Czech original has been issued by: Eliška Frycová

**The Appendix is an integral part of
Certificate of Accreditation No: 380/2025 of 24/07/2025**

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

AVL Moravia s.r.o.
CAB number 1080, Testing Laboratory
Mostecká 992/26, Husovice, 614 00 Brno

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1	Measurement of insulation resistance			
1.1	Measurement of insulation resistance	ČSN EN IEC 60034-27-4:2018, cl. 6	Rotating electrical machines	-
1.2	Measurement of insulation resistance	ČSN EN IEC 61439-1 ed. 3:2022, cl. 11.9	Switchboards	-
2	Measurement of resistance			
2.1	Measurement of resistance	ČSN EN 60034-1 ed. 2:2011, cl. 8.6.2.1; ČSN EN IEC 60034-2-1 ed. 3:2024, cl. 5.7; ČSN EN IEC 60034-4-1:2018, cl. 6.3; IEEE Std 118 - 1978	Rotating electrical machines	-
2.2	Measurement of resistance	ČSN EN 60349-1 ed. 2:2011, Annex A3; ČSN EN 60349-2 ed. 2:2011, Annex A3	Rotating electrical machines on vehicles	-
3	Test of electrical resistance			
3.1	Test of electrical resistance by withstand voltage	ČSN EN 60034-1 ed. 2:2011, cl. 9.2; IEEE Std 112 - 2017, cl. 8.2	Rotating electrical machines	-
3.2	Test of electrical resistance by withstand voltage	ČSN EN 60349-1 ed. 2:2011, cl. 9.5; ČSN EN 60349-2 ed. 2:2011, cl. 9.5	Rotating electrical machines on vehicles	-
3.3	Test of electrical resistance by withstand voltage	ČSN EN IEC 61439-1 ed. 3:2022, cl. 10.9.2, 10.9.4	Switchboards	-
4	Temperature-rise test			
4.1	Temperature-rise test	ČSN EN 60034-1 ed. 2:2011, cl. 8; IEEE Std 112 - 2017, cl. 4.4, 5.9; ČSN EN 60034-4 ed. 2:2009, cl. 6.8; ČSN EN IEC 60034-4-1:2018, cl. 6.7	Rotating electrical machines	-
4.2	Temperature-rise test	ČSN EN 60349-1 ed. 2:2011, cl. 8.1, Annex A; ČSN EN 60349-2 ed. 2:2011, cl. 8.1, Annex A	Rotating electrical machines on vehicles	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
4.3	Temperature-rise test	ČSN EN IEC 61439-1 ed. 3:2022 cl. 10.10.2.3.1 - 10.10.2.3.5	Switchboards	-
5	Measurement of loading characteristics			
5.1	Measurement of loading characteristics	ČSN EN IEC 60034-2-1 ed. 3:2024, cl. 6.1.3.2.3; IEEE Std 112 - 2017, cl. 5.7; ČSN EN IEC 60034-4-1:2018, cl. 6.2, 6.9	Rotating electrical machines	-
6	Measurement of no-load curve and no-load loss			
6.1	Measurement of no-load curve and no-load loss	ČSN EN IEC 60034-2-1 ed. 3:2024, cl. 6.1.3.2.4, 6.1.3.2.5, 7.1.3.2.2; IEEE Std 112 - 2017, cl. 5.6; ČSN EN 60034-4 ed. 2:2009, cl. 6.4, 6.6; ČSN EN IEC 60034-4-1:2018, cl. 6.4, 6.6	Rotating electrical machines	-
6.2	Measurement of no-load curve and no-load loss	ČSN EN 60349-2 ed. 2:2011, cl. 9.3.1 a), 9.3.2 a)	Rotating electrical machines on vehicles	-
7	Determination of efficiency			
7.1	Determination of efficiency	ČSN EN IEC 60034-2-1 ed. 3:2024, cl. 6.1.2, 6.1.3, 6.1.4, 7.1.2, 7.1.3, 7.2.5; IEEE Std 112 - 2017, cl. 6.4	Rotating electrical machines	-
7.2	Determination of efficiency	ČSN EN 60349-1 ed. 2:2011, Annex B1-B3, B6	Rotating electrical machines on vehicles	-
8	Measurement of short circuit curve and short circuit loss			
8.1	Measurement of short- circuit curve and short - circuit loss	IEEE Std 112 - 2017, cl. 7.2; ČSN EN IEC 60034-4-1:2018, cl. 6.5	Rotating electrical machines	-
8.2	Measurement of short- circuit curve and short - circuit loss	ČSN EN 60349-2 ed. 2:2011, cl. 9.3.1 b); 9.3.2 b)	Rotating electrical machines on vehicles	-
9	Measurement of torque curve			
9.1	Measurement of torque curve	IEEE Std 112 - 2017, cl. 7.3.2.5	Rotating electrical machines	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
10	Overload ability test			
10.1	Overload ability test	ČSN EN 60034-1 ed. 2:2011, cl. 9.3, 9.4	Rotating electrical machines	-
10.2	Overload ability test	ČSN EN 60349-1 ed. 2:2011, cl. 8.1.5; ČSN EN 60349-2 ed. 2:2011, cl. 8.1.6	Rotating electrical machines on vehicles	-
11	Test of mechanical resistance (test at elevated speed)			
11.1	Test of mechanical resistance (test at elevated speed)	ČSN EN 60034-1 ed. 2:2011, cl. 9.7	Rotating electrical machines	-
11.2	Test of mechanical resistance (test at elevated speed)	ČSN EN 60349-1 ed. 2:2011, cl. 9.4; ČSN EN 60349-2 ed. 2:2011, cl. 9.4	Rotating electrical machines on vehicles	-
12	Measurement of vibration			
12.1	Measurement of vibration	ČSN EN IEC 60034-14:2019 ed. 3, cl. 5-9; ČSN ISO 20816-1:2017, cl. 4; ČSN ISO 20816-3:2023, cl. 4	Rotating electrical machines	-
12.2	Measurement of vibration	ČSN EN 60349-1 ed. 2:2011, cl. 8.8; ČSN EN 60349-2 ed. 2:2011, cl. 8.4	Rotating electrical machines on vehicles	-

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 valid edition of the specified procedure is used (including any changes)

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

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."