

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Rotating electrical machines –
Part 2-1: Standard methods for determining losses and efficiency from tests
(excluding machines for traction vehicles)**

**Machines électriques tournantes –
Partie 2-1: Méthodes normalisées pour la détermination des pertes et du
rendement à partir d'essais (à l'exclusion des machines pour véhicules
de traction)**



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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE **XD**
CODE PRIX

ICS 29.160

ISBN 978-2-8322-1606-4

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CONTENTS

FOREWORD.....	5
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	7
4 Symbols and abbreviations.....	12
4.1 Symbols.....	12
4.2 Additional subscripts.....	13
5 Basic requirements.....	14
5.1 Direct and indirect efficiency determination.....	14
5.2 Uncertainty	15
5.3 Preferred methods and methods for customer-specific acceptance tests, field-tests or routine-tests	15
5.4 Power supply	15
5.4.1 Voltage.....	15
5.4.2 Frequency	15
5.5 Instrumentation.....	15
5.5.1 General	15
5.5.2 Measuring instruments for electrical quantities	16
5.5.3 Torque measurement.....	16
5.5.4 Speed and frequency measurement.....	16
5.5.5 Temperature measurement.....	17
5.6 Units.....	17
5.7 Resistance.....	17
5.7.1 Test resistance.....	17
5.7.2 Winding temperature.....	17
5.7.3 Correction to reference coolant temperature	18
5.8 State of the machine under test and test categories	18
5.9 Excitation circuit measurements.....	19
5.10 Ambient temperature during testing	19
6 Test methods for the determination of the efficiency of induction machines	19
6.1 Preferred testing methods.....	19
6.1.1 General	19
6.1.2 Method 2-1-1A – Direct measurement of input and output.....	20
6.1.3 Method 2-1-1B – Summation of losses, additional load losses according to the method of residual loss	21
6.1.4 Method 2-1-1C – Summation of losses with additional load losses from assigned allowance	28
6.2 Testing methods for field or routine-testing	32
6.2.1 General	32
6.2.2 Method 2-1-1D – Dual supply back-to-back-test.....	33
6.2.3 Method 2-1-1E – Single supply back-to-back-test	34
6.2.4 Method 2-1-1F – Summation of losses with additional load losses determined by test with rotor removed and reverse rotation test	35
6.2.5 Method 2-1-1G – Summation of losses with additional load losses determined by Eh-star method.....	39
6.2.6 Method 2-1-1H – Determination of efficiency by use of the equivalent circuit parameters.....	42

7	Test methods for the determination of the efficiency of synchronous machines.....	47
7.1	Preferred testing methods.....	47
7.1.1	General.....	47
7.1.2	Method 2-1-2A – Direct measurement of input and output.....	48
7.1.3	Method 2-1-2B – Summation of separate losses with a rated load temperature test and a short circuit test.....	50
7.1.4	Method 2-1-2C – Summation of separate losses without a full load test.....	55
7.2	Testing methods for field or routine testing.....	57
7.2.1	General.....	57
7.2.2	Method 2-1-2D – Dual supply back-to-back-test.....	57
7.2.3	Method 2-1-2E – Single supply back-to-back-test.....	58
7.2.4	Method 2-1-2F – Zero power factor test with excitation current from Potier-, ASA- or Swedish-diagram.....	60
7.2.5	Method 2-1-2G – Summation of separate losses with a load test without consideration of additional load losses.....	64
8	Test methods for the determination of the efficiency of d.c. machines.....	65
8.1	Testing methods for field or routine testing.....	65
8.1.1	General.....	65
8.1.2	Method 2-1-3A – Direct measurement of input and output.....	65
8.1.3	Method 2-1-3B – Summation of losses with a load test and d.c. component of additional load losses from test.....	67
8.1.4	Method 2-1-3C – Summation of losses with a load test and d.c. component of additional load losses from assigned value.....	73
8.1.5	Method 2-1-3D – Summation of losses without a load test.....	75
8.1.6	Method 2-1-3E – Single supply back-to-back test.....	77
	Annex A (normative) Calculation of values for the Eh-star method.....	80
	Annex B (informative) Types of excitation systems.....	83
	Annex C (informative) Induction machine slip measurement.....	84
	Annex D (informative) Test report template for method 2-1-1B.....	86
	Bibliography.....	87
	Figure 1 – Sketch for torque measurement test.....	20
	Figure 2 – Efficiency determination according to method 2-1-1A.....	21
	Figure 3 – Efficiency determination according to method 2-1-1B.....	22
	Figure 4 – Smoothing of the residual loss data.....	27
	Figure 5 – Efficiency determination according to method 2-1-1C.....	29
	Figure 6 – Vector diagram for obtaining current vector from reduced voltage test.....	30
	Figure 7 – Assigned allowance for additional load losses P_{LL}	31
	Figure 8 – Efficiency determination according to method 2-1-1D.....	33
	Figure 9 – Sketch for dual supply back-to-back test.....	33
	Figure 10 – Efficiency determination according to method 2-1-1E.....	34
	Figure 11 – Efficiency determination according to method 2-1-1F.....	36
	Figure 12 – Efficiency determination according to method 2-1-1G.....	39
	Figure 13 – Eh-star test circuit.....	40
	Figure 14 – Induction machine, T-model with equivalent iron loss resistor.....	42
	Figure 15 – Efficiency determination according to method 2-1-1H.....	43
	Figure 16 – Induction machines, reduced model for calculation.....	46

Figure 17 – Sketch for torque measurement test.....	49
Figure 18 – Efficiency determination according to method 2-1-2A.....	49
Figure 19 – Efficiency determination according to method 2-1-2B.....	50
Figure 20 – Efficiency determination according to method 2-1-2C.....	56
Figure 21 – Efficiency determination according to method 2-1-2D.....	57
Figure 22 – Sketch for dual supply back-to-back test ($I_M = I_G, f_M = f_G$).....	58
Figure 23 – Efficiency determination according to method 2-1-2E.....	59
Figure 24 – Single supply back-to-back test for synchronous machines.....	59
Figure 25 – Efficiency determination according to method 2-1-2F.....	60
Figure 26 – Efficiency determination according to method 2-1-2G.....	64
Figure 27 – Sketch for torque measurement test.....	66
Figure 28 – Efficiency determination according to method 2-1-3A.....	66
Figure 29 – Efficiency determination according to method 2-1-3B.....	67
Figure 30 – Sketch for single supply back-to-back test for determination of d.c. component of additional load losses.....	71
Figure 31 – Efficiency determination according to method 2-1-3C.....	73
Figure 32 – Efficiency determination according to method 2-1-3D.....	76
Figure 33 – Efficiency determination according to method 2-1-3E.....	78
Figure 34 – Sketch for single supply back-to-back test.....	78
Figure C.1 – Slip measurement system block diagram.....	85
Table 1 – Reference temperature.....	17
Table 2 – Induction machines: preferred testing methods.....	20
Table 3 – Induction machines: other methods.....	32
Table 4 – Synchronous machines with electrical excitation: preferred testing methods.....	48
Table 5 – Synchronous machines with permanent magnets: preferred testing methods.....	48
Table 6 – Synchronous machines: other methods.....	57
Table 7 – DC machines: test methods.....	65
Table 8 – Multiplying factors for different speed ratios.....	74

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ROTATING ELECTRICAL MACHINES –

**Part 2-1: Standard methods for determining losses and efficiency
from tests (excluding machines for traction vehicles)**

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International Standard IEC 60034-2-1 has been prepared by IEC technical committee 2: Rotating machinery.

This second edition cancels and replaces the first edition of IEC 60034-2-1, issued in 2007, as well as IEC 60034-2A, issued in 1974. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) The test methods are now grouped into preferred methods and methods for field or routine testing. Preferred methods have a low uncertainty and for a specific rating and type of machine only one preferred method is now defined.
- b) The requirements regarding instrumentation have been detailed and refined.
- c) The description of tests required for a specific method is now given in the same sequence as requested for the performance of the test. This will avoid misunderstandings and

improve the accuracy of the procedures. In addition, for each method a flowchart shows the sequence of tests graphically.

The text of this standard is based on the following documents:

FDIS	Report on voting
2/1742/FDIS	2/1748/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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