

# ISO 4106:2026-03 (E)

## Motorcycles - Engine test code - Net power

---

<b>Contents</b>		<b>Page</b>
	Foreword.....	iv
	Introduction.....	vi
<b>1</b>	<b>Scope</b> .....	<b>1</b>
<b>2</b>	<b>Normative references</b> .....	<b>1</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>1</b>
<b>4</b>	<b>Symbols</b> .....	<b>2</b>
<b>5</b>	<b>Standard reference conditions</b> .....	<b>3</b>
<b>6</b>	<b>Tests</b> .....	<b>3</b>
6.1	General.....	3
6.2	Measuring equipment and instrument accuracy.....	3
6.2.1	Torque.....	3
6.2.2	Engine speed.....	3
6.2.3	Fuel flow.....	3
6.2.4	Fuel temperature.....	3
6.2.5	Engine inlet air temperature.....	3
6.2.6	Barometric pressure.....	3
6.2.7	Back pressure in exhaust system.....	3
6.2.8	Test room humidity.....	4
6.3	Setting and test conditions.....	4
6.3.1	Equipment and auxiliaries.....	4
6.3.2	Test conditions.....	6
6.3.3	Test atmospheric conditions.....	7
6.4	Test procedure.....	7
<b>7</b>	<b>Torque, power and specific fuel consumption</b> .....	<b>8</b>
7.1	Calculation of measured torque, measured power and specific fuel consumption.....	8
7.2	Net torque and net power.....	8
7.2.1	General.....	8
7.2.2	Determination of correction factor $\alpha_m$ .....	8
7.2.3	Calculation of net torque and net power.....	9
7.3	Corrected net torque and corrected net power.....	9
7.3.1	General.....	9
7.3.2	Determination of correction factor $\alpha_a$ .....	10
7.3.3	Calculation of corrected net torque and corrected net power.....	10
<b>8</b>	<b>Test report</b> .....	<b>10</b>
8.1	General.....	10
8.2	The description of test report.....	10
8.2.1	General.....	10
8.2.2	Essential characteristics of spark-ignition engines.....	10
8.2.3	Test conditions during net power measurement.....	12
8.3	Statement of results.....	13
	<b>Annex A (normative) Test method for compression-ignition engines</b> .....	<b>16</b>
	<b>Annex B (informative) Example for record form of test fuel specifications</b> .....	<b>22</b>
	<b>Bibliography</b> .....	<b>24</b>