

The generators manufactured by Mecc Alte are in compliance with the following national standard :

- **CEI 2-3**

This Italian standard corresponds to the European standard **EN 60034-1** and to the international standard **IEC 60034-1**; it is related also to the British standard **BS 4999 part 101**; it is equivalent to the German standard **VDE 0530 part 1**, and it is included in the French standard **NF 51.111**.

Mecc Alte generators meet also the requirements of international **ISO 8528-3** standard (Reciprocating internal combustion engine driven alternating current generating sets - Part 3: Alternating current generators for generating sets) and the requirements of **NEMA MG 1-2011** (Motors and Generators).

The generators are in conformity with the essential health and safety requirements imposed by the following Directives :

- **2006/42** Machinery Directive
- **2014/35** Low Voltage Directive
- **2014/30** Electromagnetic Compatibility Directive

The presumption of the conformity to the first directive is obtained by applying the following European standards **EN 12100** (Safety of Machinery \_ General principles for design - Risk assessment and risk reduction).

The presumption of the conformity to the second directive is obtained by applying the following European standard **EN 60204-1** (Safety of machinery – Electrical equipment of machines Part 1: General requirements).

The presumption of the conformity to the third directive is obtained by applying the following European standards **EN 61000-6-3** (Generic standards - Emission standard for residential, commercial and light-industrial environments) **EN 61000-6-2** (Generic standards - Immunity for industrial environments).

The generators are designed and manufactured according to the following international standards :

Rating and performance	<i>EN 60034-1</i>
Methods for determining losses and efficiency	<i>EN 60034-2</i>
Classification of degree of protection (IP code)	<i>EN 60034-5</i>
Methods of cooling (IC code)	<i>EN 60034-6</i>
Types of construction and mounting arrangements	<i>EN 60034-7</i>
Terminal markings and direction of rotation	<i>EN 60034-8</i>
Noise Limits	<i>EN 60034-9</i>
Starting performance of rotating electrical machines	<i>EN 60034-12</i>
Mechanical vibration	<i>EN 60034-14</i>
A.C. Generators for reciprocating internal combustion engine driven generating sets	<i>EN 60034-22</i>
Normalised IEC voltages	<i>EN 60038</i>
Dimensions and outputs for electrical machines	<i>EN 60072-1</i>
Classification of insulating materials	<i>EN 60085</i>
Balance quality requirements for rotors in a constant (rigid) state	<i>ISO1940-1 (grade G 6.3 up to series 32) (grade G 2.5 up to series 46)</i>