



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	IECEx CES 09.0007	issue No.:0	Certificate history:
Status:	Current		
Date of Issue:	2009-12-02	Page 1 of 3	
Applicant:	<b>CEMP S.r.l.</b> Via Piemonte, 16 I- 20030 Senago (MI) - Italy <b>Italy</b>		
Electrical Apparatus:	<b>Three-phase asynchronous motors supplied by mains or inverter, series AC/AM 180, AC/AM 200, AC/AM 225, AC/AM 250</b>		
Optional accessory:			
Type of Protection:	<b>Flameproof enclosures 'd'; increased safety "e" for terminal box; Dust ignition protection "tD"</b>		
Marking:	Ex d I or Ex de I Ex d IIC T4, T3 or Ex de IIC T4, T3 Ex tD A21 IP 65 T 135 °C, T 150 °C		
Approved for issue on behalf of the IECEx Certification Body:	Mirko Balaz		
Position:	Head of IECEx CB		
Signature: (for printed version)	_____		
Date:	_____		

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**CESI**  
**Centro Elettrotecnico**  
**Sperimentale Italiano S.p.A.**  
**Via Rubattino 54**  
**20134 Milano**  
**Italy**

**CESI**



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Manufacturer: **CEMP S.r.l.**  
Via Piemonte, 16  
I- 20030 Senago (MI)  
**Italy**

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

[IT/CES/ExTR09.0006/00](#)

Quality Assessment Report:

[IT/CES/QAR07.0002/02](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Three-phase asynchronous motors series AC/AM 180, AC/AM 200, AC/AM 225, AC/AM 250 supplied by mains or by inverter. The motors are made of grey cast iron with separate compartments: motor enclosure and terminal box for supply and for auxiliary circuits connection. A special solution without terminal box with cable exit from plate can be provided. The motors of group I and group IIC have the type of protection Ex d when both motor and terminal box are in Ex d execution. Type of protection Ex de is achieved by motor in Ex d execution and terminal box in Ex e execution. The motors can be equipped with auxiliary devices (heaters, thermal detectors, etc.). The motors supplied by inverter shall be provided, inside the stator winding, with PTC or PT 100 thermal detectors.

See annex for further description.

### CONDITIONS OF CERTIFICATION: NO