



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

Certificate No.: IECEx CES 10.0009X Issue No: 1 Certificate history:
Status: **Current** Page 1 of 4 [Issue No. 1 \(2014-07-15\)](#)
Date of Issue: **2014-07-15** [Issue No. 0 \(2010-07-30\)](#)

Applicant: **Zenit Italia S.r.l.**
Via dell'Industria, 11
I - 41018 San Cesario sul Panaro (MO)
Italy

Equipment: **Submersible pumps motors series BLUE 90 and BLUE 107**
Optional accessory:

Type of Protection: **Type of protection "n"**

Marking: **Ex nA IIC T3 Gc**
Ex nA nC IIC T3 Gc

*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](#).

Certificate issued by:

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



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Manufacturer: **Zenit Italia S.r.l.**
Via dell'Industria, 11
I - 41018 San Cesario sul Panaro (MO)
Italy

Additional Manufacturing
location(s):

Zenit pumps (Suzhou) Co., Ltd
26 Wupu Road, Shengpu District, SIP Jiangsu, P.R. China
Post Code: 215216
China

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:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

*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/ExTR10.0002/01](#) [IT/CES/ExTR10.0002/02](#)

Quality Assessment Report:

[CN/CQM/QAR10.0003/02](#) [NO/DNV/QAR10.0002/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The single-phase and the three-phase asynchronous motors subject of this document are designed to operate hydraulic machines identified as series BLUE submersible pumps (BLUE 90 and BLUE 107). The electrical equipment is manufactured with cables permanently connected to it

The submersible pumps series BLUE are suitable for professional use, heavy duty with clean and dirty water. They are mainly identified in function of the hydraulic family, of the standard or professional version and of the electrical parameters of the motors.

General electrical characteristics:

See annex for further description.

CONDITIONS OF CERTIFICATION: YES as shown below:



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 1:

Variation 1.1

The motor pumps series BLUE 90 and BLUE 107 in subject, originally assessed in compliance with IEC 60079-0: 2004, and IEC 60079-15: 2005 have been reassessed on the basis of the IEC 60079-0: 2011 and IEC 60079-15: 2010 standards. No difference between the two standards affects the design of the motors with exception of the marking; the marking has been updated including the equipment protection level (EPL) "Gc".

Variation 1.2

Added application of "float level switch devices" subject of separate certification:

- Manufacturer / type: MAC3 S.p.A. / SMALL S-EX and SMALL R-EX
- Type of protection: Ex nC IIC T6 Gc - Certificate No. IECEx CES 12.0018X.
- Main characteristics: 400 Vmax ; 10 Amax

Variation 1.3

New degree of protection tests for IP68 with 10 m maximum immersion depth (168h). Minor constructional changes and upgrading of documents.

Variation 1.4

The motor pumps series BLUE 90 and BLUE 107 can be manufactured by Zenit in Italy or Zenit in China.

Annex:

[IECEx CES 10.0009X Issue 1 ANNEX-ZENIT pumps BLUE 90_107.pdf](#)