



[1] **EU-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment intended for use in potentially explosive atmospheres Directive 2014/34/EU – Annex III**

[3] Certificate Number: **EPT 17 ATEX 2703 X issue 2**

[4] Equipment: **Submersible electropumps
AT-Ex, ATH-Ex, VT-Ex, VTH-Ex
Sizes 200 - 240**

[5] Manufacturer: **DRENO POMPE S.r.l.**

[6] Address: **Via Umbria n° 15, 35043 Monselice (PD) - Italia**

[7] This equipment and its accepted variations are specified in the annex to this Certificate.

[8] Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26th February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential Report N°EPT.21.REL.04/2113095


[9] Compliance with the essential health and safety requirements is assured through the verification of them and by compliance with the following harmonized standards:

EN IEC 60079-0:2018, EN 60079-1:2014, EN ISO 80079-36:2016, EN ISO 80079-37:2016

[10] If the sign "X" is placed after the Certificate number, it indicates that the equipment is subject to the special conditions for safe use specified in the annex to this Certificate.

[11] This EU -TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified equipment.

Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this equipment. These requirements are not object of this Certificate.

[12] The equipment shall include the sign  and the following strings:

II 2G

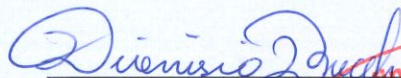
Ex db IIB T4 Gb

Ex h IIB T4 Gb

0°C ≤ Tamb ≤ +40°C

Place and date of issue:
(DD-MM-YYYY)

Torino, 25-11-2021


Dionisio Bucchieri
Directive Responsible


Paolo Trisoglio
Managing Director



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CP-ATEX-MOD-26-00



This Certificate has 5 pages and it is reproducible only in its entirety. Conditions of validity are reported below.



[13]

ANNEX

[14]

**EU-TYPE EXAMINATION CERTIFICATE
N. EPT 17 ATEX 2703 X issue 2**
[15] Equipment description

The submersible electropumps belong to group IIB and have respectively the type of protection "Ex db" and "Ex h".

The enclosure is made of cast iron GG 25 (the paint used does not exceed 2 mm).

The equipment is provided with auxiliary devices (thermal protectors).

The electropumps must be always installed with a device for the control of the liquid level that interrupts the power supply in case of a liquid level lower than the minimum allowed.

Electrical characteristics

Rated supply: 400 V (Supply voltage must be within $\pm 5\%$ of the nominal value)

Rated power: 12kW to 42 kW

Rated frequency: 50 Hz

Insulation class: F (155°C)

Maximum immersion depth: 20 m

Ambient temperature: 0 ÷ +40 °C

Temperature of the pumped liquid 0 ÷ +40 °C

List of submersible electropumps:

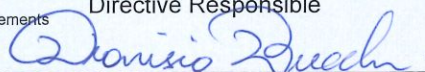
<u>ATH 2 poles (motor diameter 200)</u>	<u>VTH 2 poles (motor diameter 200)</u>
ATH-EX 80-2/120	VTH-EX 80-2/120
ATH-EX 80-2/150	VTH-EX 80-2/150
ATH-EX 100-2/120	VTH-EX 100-2/150
ATH-EX 100-2/150	
<u>ATH 2 poles (motor diameter 240)</u>	<u>VTH 2 poles (motor diameter 240)</u>
ATH-EX 80-2/200	VTH-EX 80-2/200
ATH-EX 80-2/250	VTH-EX 80-2/250
ATH-EX 80-2/300	VTH-EX 100-2/200
ATH-EX 100-2/200	VTH-EX 100-2/250
ATH-EX 100-2/250	VTH-EX 100-2/300
ATH-EX 100-2/350	VTH-EX 100-2/350
ATH-EX 100-2/400	VTH-EX 100-2/400
ATH-EX 100-2/420	VTH-EX 100-2/400-1
	VTH-EX 100-2/400-2
<u>AT 4 poles (motor diameter 200)</u>	<u>VT 4 poles (motor diameter 200)</u>
AT-EX 150/4/200 C.260-263	VT-EX 100/4/200 C.362-363
AT-EX 150/4/200 C.264-265	
AT-EX 200/4/200 C.265	<u>VT 4 poles (motor diameter 240)</u>
<u>AT 4 poles (motor diameter 240)</u>	VT-EX 100/4/240 C.370-375-380
AT-EX 150/4/240 C.275-280	
AT-EX 200/4/240 C.270-275-280	
<u>AT 6 poles (motor diameter 240)</u>	
AT-EX 200/6/240 C.275-280	



PRD N° 119B
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CP-ATEX-MOD-26-00

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Page 2 of 5
25-11-2021



[13]

[14]

ANNEX
EU-TYPE EXAMINATION CERTIFICATE
N. EPT 17 ATEX 2703 X issue 2

Warning label

- DO NOT OPEN WHILE ENERGISED

Routine tests

None.

[16] Assessment Report n° EPT.21.REL.04/2113095

This EU-Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this certificate performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report above cited.

[17] Special condition for a safe use

- The determination of the maximum surface temperature has been determined on operation within "Zone A" (EN 60034-1), $\pm 5\%$ of rated voltage;
- Flameproof joints cannot be repaired;
- The submersible pump shall operate only completely submersed in liquid having temperature included in the range $0^{\circ}\text{C} \div +40^{\circ}\text{C}$. A suitable separate protection device shall be installed to prevent the pump from operating when not fully submersed;
- Use screws with property class A2-70.

[18] Essential Health and Safety Requirements

Assured by compliance with harmonized standards.

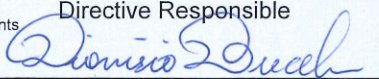


PRD N° 119B

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CP-ATEX-MOD-26-00

Dionisio Bucchieri
Directive Responsible



Page 3 of 5
25-11-2021

[13]

[14]

ANNEX
EU-TYPE EXAMINATION CERTIFICATE
N. EPT 17 ATEX 2703 X issue 2


[19] Descriptive documents

The equipment object of this Certificate are described by the following documents that are scheduled documents and therefore they cannot be modified without the explicit authorization of the Notified Body.

Type of document	Document identification	Rev.	Date
Painting instructions	Catena di verniciatura	4	29-06-2011
Fasteners Series 200	Viti-fori-filettature_200	0	19-11-2014
Fasteners Series 240	Viti-fori-filettature_240	0	19-11-2014
Cable gland technical drawing	33808091	1	16-04-2014
Cable gland technical drawing	06405220	0	15-11-2013
Cable gland technical drawing	06405240	0	15-11-2013
Sealing ring technical drawing	07310190	0	05-09-2013
Sealing ring technical drawing	07310200	0	09-03-2001
*Lower body technical drawing	33607231	8	19-11-2021
*Lower body technical drawing	33608041	10	22-11-2021
Upper body technical drawing	31007220	0	25-11-2008
Upper body technical drawing	31008520	0	03-09-2013
Upper body technical drawing	31008020	0	12-12-2008
Shaft technical drawing	30107782	3	28-08-2014
Shaft technical drawing	30108880	2	04-02-2008
Shaft technical drawing	30108580	3	24-11-2014
Technical drawing	33408010	2	13-06-2008
*Marking Label	IQ.D.14	7	25-11-2021
*Manual for use and maintenance	Sp1_0.21-09800210	1	25-11-2021

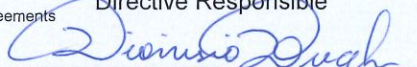
Note: An * is included before the title of documents that are new or revised.



PRD N° 119B
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CP-ATEX-MOD-26-00

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 Directive Responsible



Page 4 of 5
 25-11-2021



[13]

[14]

ANNEX
EU-TYPE EXAMINATION CERTIFICATE
N. EPT 17 ATEX 2703 X issue 2

[20] Terms and conditions

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

[21] History

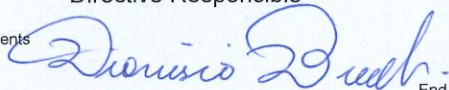
Issue	Description	Date
0	First emission, replacement of the EC-TYPE EXAMINATION CERTIFICATE n. EUT 14 ATEX 1889X	06-09-2017
1	Addition of new rated powers for 4 poles and 6 poles equipment.	30-03-2018
2	- The certificate has been reissued following verification of the updated user manual and marking label - The conformity to the standard EN IEC 60079-0:2018 has been verified. - Drawings have been updated to include a machining detail.	25-11-2021



PRD N° 119B
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CP-ATEX-MOD-26-00

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End of Certificate

Page 5 of 5
 25-11-2021