

[1]

TYPE EXAMINATION CERTIFICATE

[2]

Directive 2014/34/EU

*Equipment and protective systems intended for use in potentially
potentially explosive atmospheres.*

[3]

Type Examination Certificate Number

ACE25ATEX044X Rev00

[4]

Product

Air Heater Model: ML565 Series

[5]

Manufacturer

EXPO Shanghai Comer M&E Equipment Co.,
Ltd.

[6]

Address

Room 803, 7th office building, PowerLong
city plaza, No. 2449, Jinhai Road, Pudong,
Shanghai

[7]

This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), certifies based on a voluntary assessment that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive 2014/34/EU.

The examination and test results are recorded in the confidential Report nº. EX_EXD025_25_25-1611, EX_EXE014_25_25-1611

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 Explosive atmospheres - Part 0: Equipment - General requirements

EN 60079-1:2014: Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures 'd'

EN IEC 60079-7:2015/A1:2018 Explosive atmospheres - Part 7: Equipment protection by increased safety 'e'

[10]

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of This certificate.

[11]

This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.

[12]

The marking of the equipment or protective system shall include the following:



II 3G Ex db ec IIB+H2 T3 Gc

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Date: 31/10/2025



**Advanced Consulting and Engineering
Iberia SL**

Matteo Marconi, CEO

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[13] **SCHEDULE**

[14] TYPE EXAMINATION CERTIFICATE No: ACE25ATEX029X Rev00

[15] Description of equipment

ML565 Series Air heater are designed to elevate and maintain the temperature of purge system air within a specified temperature range. Air is passed through a tube that is heated using self- limiting trace heating cable. Switching of power to the air heater is controlled by a capillary tube thermostat. The electrical parts have ATEX certificates.

Model and Specification Description:

ML565-S*, the "*" indicates the power level air heater:

- 1: the power is around 1.3 kw
- 2: the power is around 2.5 kw
- 3: the power is around 3.8 kw
- 4: the power is around 5.0 kw
- 5: the power is around 6.4 kw

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[13] **SCHEDULE**

[14] TYPE EXAMINATION CERTIFICATE No: ACE25ATEX029X Rev00

[16] Test documents are listed in the test report nº
EX_EXD025_25_25-1611, EX_EXE014_25_25-1611

[17] Special conditions for safe use
1. The ambient temperature range is -55°C~+50°C.
2. Air Supply Pressure is 4 ~ 12 barg with instrument gas quality

[18] Essential Health and Safety Requirements
Met by compliance with the standards mentioned in [9]

[19] Documents and technical datasheets:

Title	Object	Revision	Date
01-ML565 Air Heater- Assembly Diagram	AGM-005-001	10.0	2025.9.12
05-Circuit Diagram	AGM-005-004	2.1	2024.6.11
06-Connection Diagram	AGM-005-005	2.1	2023.10.7
07-ML565 Series Air Heater Manual	-	10.0	2025.9.12
08-AGM-005-001-11 Ex d Box dissipate power	NA	NA	2025.7.16
09-EC Type Examination Certificate – Bartec Self Limiting Heating Cable series HSB-07-5803-260A	KEMA_02_ATEX_2327_U	3	2012.11.23
10-EC Type Examination Certificate – Bartec Temperature monitoring and control unit-27-6DT2- 5242-1220	EPS 11 ATEX 1 356 X	NA	2012.8.20
11-Bartec Temperature monitoring and control unit- BSTW II-Datasheet	03-0330-0712-01/2014-BEH- 346644/3	NA	/
12-Bartec Temperature monitoring and control unit- BSTW II-27-6D_Type definition	21-6D00-6B0001	0	2012.9.17
13-Bartec Measuring Control and Switchgear Combination and Junction Box-07-3103- 4012	IBExU_12_ATEX_1099_X	2	2023.7.28
14-Bartec Measuring Control and Switchgear Combination and Junction Box-Datasheet	03-0330-0595/A / REV-A-11- 2023 / 306762	NA	/

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15-EU Type Examination Certificate-Warom Explosion-protected Enclosure-BXT-IV-W	LCIE 11 ATEX 3012U	01	2017.5
16-Warom Explosion-protected Enclosure Datasheet	-		2025.1.1
21-Warom Cable Gland DQM-II	LCIE 06 ATEX 6100 X	3	2013.9.22
22-Warning Tag	AGM-005-000-01	A	2025.8.15
23-Material Test Certificate for Housing of Air Heater-316L	NA	NA	/
24-Material Test Report for Power Distribution Box-Body	NA	NA	/
25-Nameplate	AGM-005-000-02	A	2025.9.15
IECEX Test report	IECEX Test report number: DF2312180021 Testing Laboratory: Shanghai Institute of Quality Inspection and Technical Research-China National Lighting Fitting Quality Inspection and Testing Centre.(SQI_ZM)	00	2025.8.19

The documents above-mentioned are strictly confidential and they are of only use of authorities. A copy of the documents are saved by A.C.&E. Iberia S.L.

[20] Certificate History

Number of certificate	Rev.	Comments	Date
ACE25ATEX044X	00	First emission	31/10/2025

Date: 31/10/2025



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