

Air Cooler Industry / Mobile AC-LN / ACA-LN / ACAF-LN / AC-LNH ATEX



Certified to ATEX EU Directives

General

For applications in potentially explosive areas are the air cooler series AC-LN (without pump and filter) and AC-LNH also available with ATEX certification.

In order to prevent serious personal injury and damage to equipment, the highest possible level of safety must be achieved in such potentially explosive locations. Numerous requirements in terms of laws, regulations, directives and standards have been issued worldwide to enhance the level of safety.

In the context of globalisation, these have been combined, at least in Europe, into harmonised directives for explosion protection.

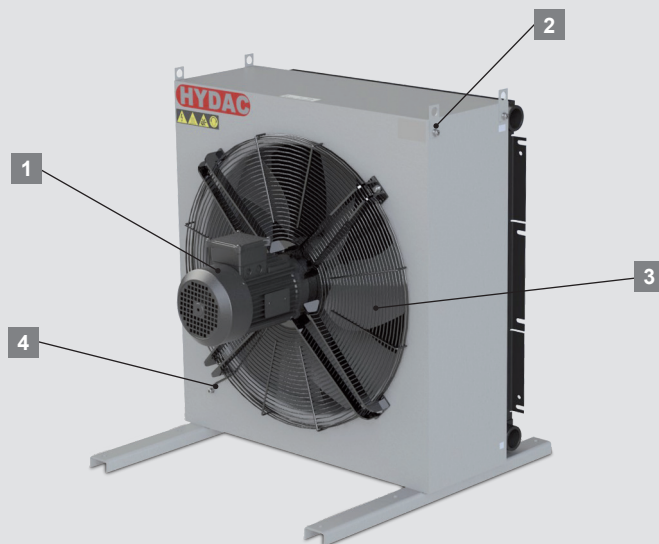
In the EU, the so-called ATEX directive regulates explosion protection (ATEX is the abbreviation of *ATmosphaère Explosible*). This directive of the European Parliament and the Council (RL 94/9/EG) which has been in force since 1994 regulates "the alignment of laws of the member states relating to equipment and protection systems specifically for use in potentially explosive locations".

The target group includes amongst others the manufacturers of equipment. Following a revision in July 2003, all new equipment must be realised according to this directive. This directive applies to areas where potentially explosive gases and dust are present and also in mining.



Product Features

Available for operating in potentially explosive areas are air coolers with AC motor (AC-LN, ACA-LN, ACAF-LN) and air coolers with hydraulic motor (AC-LNH). The certification applies for a frequency of 50 Hz and 60 Hz versions.



The components are developed especially for use in potentially explosive areas:

- 1 ATEX certified motor (protected against gas and dust)
- 2 Stainless steel screws with special washer earthing
- 3 Antistatic fan with plastic fan blades
- 4 All components earthed / Cable earthing between motor screw and housing

Certification



II 2G EX de IIC T4
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II **Device group:**
I = Mining
II = all other explosive areas (non-mining)

2G / 2GD **Category:**
2 = present in normal operation
Explosive atmosphere:
G = gas
D = dust

Ex **Explosion protection**

de **Type of protection:**
de = fireproof with increased safety

IIC **Explosive group for gas:**
IIC = most dangerous class (e.g. hydrogen)

T4 **Temperature classes:**
T4 = 135 °C

Note

The information in this brochure relates to the operating conditions. For applications and operating conditions not described, please contact the relevant technical department. Subject to technical modifications.

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