



# 中国国家强制性产品认证证书

编号: 2020312301002332

委托人 ATB Nordenham GmbH  
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生产者 ATB Nordenham GmbH  
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生产企业 ATB Nordenham GmbH  
生产地址 Helgoländer Damm 75, 26954 Nordenham, Germany  
产品名称 三相电动机  
型号规格 CD 315...  
防爆标志 Ex db IIC T3...T6 Gb, Ex db eb IIC T3...T6 Gb,  
Ex tb IIIC T85°C...T200°C Db  
依据标准 GB/T3836.1-2021, GB/T3836.2-2021, GB/T3836.3-2021,  
GB/T3836.31-2021  
认证模式 型式试验+初始工厂检查+获证后监督

上述产品符合 CNCA-C23-01: 2019 《强制性产品认证实施规则 防爆电气》  
和 CNEX-C2301-2019 《强制性产品认证实施细则 防爆电气》的要求。

产品相关信息见附页 (共 3 页)。

首次发证日期: 2020 年 10 月 29 日

颁发日期: 2022 年 11 月 27 日

有效期至: 2025 年 10 月 28 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

主任:



南阳防爆电气研究所有限公司



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CN 0020928



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编号: 2020312301002332

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## 产品相关信息:

1、本证书覆盖产品如下:

- CD 315...

电气参数:

电机的设计额定值不超过以下值:

	CD 315
电压(V)	1150
电流(A)	400
功率(kW)	310
转速(min <sup>-1</sup> )	3600
频率(定频)(Hz)	60
频率(变频)(Hz)	1~120
额定环境温度	-60°C~60°C(气体环境) /-40°C~60°C(粉尘环境)
防爆标志	Ex db IIC T3...T6 Gb, Ex db eb IIC T3...T6 Gb, Ex tb IIIC T85°C...T200°C Db
IP 等级	IP55, IP56, IP65, IP66

注: 电机只能在型式试验验证过的工作制和相应的环境温度下使用。这同样适用于变频器供电的情况。

型号代号

C = IIC, 隔爆外壳  
D = 三相电动机  
315 = 机座尺寸  
S, M, L = 铁芯长度  
2, 4, 6, 8, ... = 极数  
4/2, 6/4, 8/4, ... = 变极数电动机

颁发日期: 2022 年 11 月 27 日

主任:

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可选添加以下字符，例如：

A	=	轴流式通风机
F	=	独立驱动风扇
W	=	水冷系统
O	=	无外部风扇
R	=	带速度监控器
K	=	无接线盒，电缆直接引入
E	=	接线盒，增安型
D	=	接线盒，隔爆型
I	=	集成变频器
Y	=	高效率
0-9	=	结构编号

- 生产者应按照认证机构批准的技术文件组织生产。

## 2、安全使用条件：

- 必须按照制造商提供的结构规范对隔爆接合面进行修理。不允许按照 GB/T 3836.2 表 2 和表 3 中的值进行修理。
- 使用特殊的喷漆/涂层系统时，不得在产生大量电荷的过程使用本设备。详细信息在制造商文档中规定。如果有任何限制，一个单独的标签将施加在外壳上。
- 隔爆外壳必须使用强度等级至少为 8.8 级的螺栓紧固。
- 连接或安装的组件（例如电缆引入装置）应符合说明书的技术标准。这些组件须适合工作条件，并单独认证。如有必要，型式试验应包含组件须遵守的特殊使用条件。这也适用于技术说明中已指定的组件。

颁发日期：2022 年 11 月 27 日

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- 三相电动机运行时, 切勿卸下排水装置。三相电动机停止后, 必须观察至少 10 分钟的等待时间, 然后才能移除冷凝水排放装置。在更换排水装置并拧紧之前, 不得重新启动电机。
- 如果三相异步电动机由外部独立风扇冷却, 则应当注意, 只有在外部独立风扇运行的情况下, 电机才可以运行。
- 其他见产品使用说明书。

### 3、证书关联报告:

- 产品型式试验报告: CQST2009C432、CQST2009C432/01
- 工厂检查报告: CN2020Q010136

### 4、证书变更信息:

- 2022 年 11 月 27 日第 1 次变更, 产品认证依据标准变更。

颁发日期: 2022 年 11 月 27 日

主任:



南阳防爆电气研究所有限公司



中国认可  
产品  
PRODUCT  
CNAS C208-P

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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312301002332

<b>Applicant</b>	ATB Nordenham GmbH
<b>Address</b>	Helgoländer Damm 75, 26954 Nordenham, Germany
<b>Manufacturer</b>	ATB Nordenham GmbH
<b>Address</b>	Helgoländer Damm 75, 26954 Nordenham, Germany
<b>Production Factory</b>	ATB Nordenham GmbH
<b>Production Address</b>	Helgoländer Damm 75, 26954 Nordenham, Germany
<b>Product</b>	Three-phase motors
<b>Model/Type</b>	CD 315...
<b>Ex marking</b>	Ex db IIC T3...T6 Gb, Ex db eb IIC T3...T6 Gb, Ex tb IIIC T85°C...T200°C Db
<b>Reference Standards</b>	GB/T3836.1-2021, GB/T3836.2-2021, GB/T3836.3-2021, GB/T3836.31-2021

**Certification mode** Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (3 pages).

Initial issue date: 2020-10-29

Issued on: 2022-11-27

Valid to: 2025-10-28

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical  
Apparatus Research Institute Co.,Ltd.



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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

## (Annex)

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**Product information:**

1. This certificate covers the following models:

- CD 315...

Electrical data:

The motors are designed for ratings up to the following values:

	CD 315
Voltage(V)	1150
Current(A)	400
Power(kW)	310
Speed(r/min)	3600
Frequency (main) (Hz)	60
Frequency (converter)(Hz)	1~120
Rated ambient temperature range	-60°C up to 60°C for gas atmospheres /-40°C up to 60°C for dust atmospheres
Ex making	Ex db IIC T3...T6 Gb, Ex db eb IIC T3...T6 Gb, Ex tb IIIC T85°C...T200°C Db
IP grade	IP55, IP56, IP65, IP66

Note: The motors may be employed only for the duty type and under the ambient conditions for which they were type tested. This equally applies to operation with frequency converter.

**Key of type designation**

- C = Group IIC, flameproof enclosure
- D = Three phase current
- 315 = frame size
- S, M, L = length of package
- 2, 4, 6, 8, ... = no. of poles
- 4/2, 6/4, 8/4,... = change-pole motor

optional the following characters can be added, example:

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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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A	=	axial fan
F	=	separately driven fan
W	=	water cooling system
O	=	without an external fan
R	=	with speed monitor
K	=	without Terminal box, with direct cable entry
E	=	Terminal box "Increased Safety"
D	=	Terminal box "Flameproof Enclosure"
I	=	Integrated Frequency Inverter
Y	=	high efficiency
0-9	=	Generation of the Construction

- Producers should organize production in accordance with the technical documents approved by the certification body.

## 2. Specific conditions of safety use:

- Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repair in compliance with the values in tables 2 and 3 of GB/T 3836.2 is not accepted.
- By using special painting/coating systems the unit should not be used in proximity to processes generating high charges. Details are specified in the manufacturers documents. In case of any restrictions a separate label will appear on the enclosure.
- Screws complying with strength class 8.8 as a minimum must be used for enclosure of the flameproof chamber.

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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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- Components attached or installed (e.g. cable entry) have to be of a technical standard that complies with the specifications on the cover sheet. They must be suited for the operating conditions, and be covered by a separate examination certificate. The special conditions specified for the components must be complied with and may have to be included in the type test. This also applies to components already specified in the technical description.
  - The drain holes must not be removed while the three-phase motor is in operation. After the three-phase asynchronous motor has been stopped, a minimum waiting period of 10 min. must be observed before the condensate drain can be removed. The motor must not be restarted until after the drain unit has been replaced and tighten.
  - If the three-phase asynchronous motor is cooled by an external fan, due care shall be taken that motor operation is only possible with the external fan in operation.
  - See instruction for other information.
3. Certificate related report(s):
- Type test report: CQST2009C432, CQST2009C432/01
  - Factory inspection report: CN2020Q010136
4. Certificate change information:
- The reference standards updated, as first change on November 27, 2022.

Issued on: 2022-11-27

Director:



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