



中国国家强制性产品认证证书

编号：2020312301002336

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产 品 名 称 三相电动机
型 号 规 格 见附页
防 爆 标 志 Ex d IIC T3...T6 Gb, Ex d e IIC T3...T6 Gb, Ex tD A21 IP6X T85°C...T200°C
依 据 标 准 GB3836.1-2010, GB3836.2-2010, GB3836.3-2010,
GB12476.1-2013, GB12476.5-2013

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）。

颁发日期 2020年10月29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：

穆大玉



南阳防爆电气研究所有限公司



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产品相关信息:

1、本证书覆盖产品如下:

- CD 112..., CD 100..., CD 90..., CD 80..., CD 71...Y...

电气参数:

电机的设计额定值不超过以下值:

	CD 71Y CD 80	CD 90	CD 100	CD 112
电压(V)	1100	1100	1100	1100
电流(A)	25	25	25	25
输出(kW)	4	7	8	10
最大转速 (变频器)(Rpm)	19000	15000	12000	
频率 (定频)(Hz)	60		60	
频率 (变频)(Hz)	1~316	1~250	1~200	
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 d IIC T3...T6 Gb, Ex d e IIC T3...T6 Gb, Ex tD A21 IP6X T85°C...T200°C			

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。

型号命名: CD 例如 CD 100 M-2.1

C = IIC, 隔爆外壳
= tD, 用外壳保护
D = 三相电动机
71Y, 80, 90,

颁发日期 2020 年 10 月 29 日

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100 or 112
M, M1, M2, S, L = 机座尺寸
2, 4, 6, 8... = 极数
.1 = 长版

可以通过附加字符扩展型号命名。例如:

X = 增加功率
Y.. = 高效率
A = 轴流风扇
D = 接线盒, 隔爆外壳
E = 接线盒, 增安型
F = 外部驱动轴流风机
I = 变频器扩展
K = 无接线盒, 电缆直接引入
O = 无外风扇
R = 集成解析器
S.. = div. 制动器
U = 稳定峰值电压 2.15 kV
0 到 9 = 设计编号

- 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 GB3836.2 表 1 和表 2 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。

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- 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。
- 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: CQST2009C428
- 工厂检查报告: CN2020Q010136

4、证书变更信息: 无

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CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312301002336

Applicant ATB Nordenham GmbH
Address Helgoländer Damm 75, 26954 Nordenham, Germany
Manufacturer ATB Nordenham GmbH
Address Helgoländer Damm 75, 26954 Nordenham, Germany
Production Factory ATB Nordenham GmbH
Production Address Helgoländer Damm 75, 26954 Nordenham, Germany
Product Three-phase motors
Model/Type See Annex
Ex marking Ex d IIC T3...T6 Gb, Ex d e IIC T3...T6 Gb,
Ex tD A21 IP6X T85°C...T200°C
Reference Standards GB3836.1-2010, GB3836.2-2010, GB3836.3-2010,
GB12476.1-2013, GB12476.5-2013

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).

Issued on: 2020-10-29

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 112..., CD 100..., CD 90..., CD 80..., CD 71...Y...

Electrical data:

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

	CD 71Y CD 80	CD 90	CD 100	CD 112
Voltage(V)	1100	1100	1100	1100
Current(A)	25	25	25	25
Output(kW)	4	7	8	10
Max. Speed (converter)(rpm)	19000	15000	12000	
Frequency (mains)(Hz)	60		60	
Frequency (converter)(Hz)	1~316	1~250	1~200	
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 d IIC T3...T6 Gb, Ex d e IIC T3...T6 Gb, Ex tD A21 IP6X T85°C...T200°C			

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.

Type Designation: CD ... e.g. CD 100 M-2.1

C = Group IIC, flameproof enclosure
= Group IIIC, protection by enclosure
D = Three phase motor

71Y, 80, 90,
100 or 112

M, M1, M2, S, L = frame size
2, 4, 6, 8... = no. of poles

Issued on: 2020-10-29

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.1 long version

The type designation can optionally be extended by additional characters. For instance:

X	=	increased power
Y..	=	High Efficiency
A	=	axial flow fan
D	=	terminal box "flameproof enclosure
E	=	terminal box "increased safety
F	=	external driven axial flow fan
I	=	Inverter extension
K	=	without terminal box, direct cable entry
O	=	without external fan
R	=	integrated resolver
S..	=	div. brakes
U	=	peak voltage stability 2.15 kV
0 to 9	=	design numbers

- 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 1 and 2 of GB3836.2 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.

Issued on: 2020-10-29

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- Screws complying with strength class 8.8 as a minimum must be used for enclosure of the flameproof chamber.
 - 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 tightened.
 - 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: CQST2009C428
 - Factory inspection report: CN2020Q010136
4. Certificate change information: None

Issued on: 2020-10-29

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