


[1] **EU - TYPE EXAMINATION CERTIFICATE**
[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

- [3] EU – Type Examination Certificate Number ACE25ATEX006X Rev00
- [4] Product Canned Motor
- [5] Manufacturer Dalian Teikoku Canned Motor Pump Co.,Ltd
- [6] Address Sanjianpu Science and Technology Industry area, Lvshunkou Disrict, Dalian City, Liaoning province, 116043 China
- [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.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive
The examination and test results are recorded in the confidential Report nº. EX_EXD006_25_25-079
- [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’
- [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 EU – Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- [12] The marking of the equipment or protective system shall include the following:

 II 2G Ex db IIC T4 or T3 Gb

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Date: 19/03/2025



Advanced Consulting and Engineering

Iberia SL

Notified Body No NB3024

Matteo Marconi, CEO

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[13]

SCHEDULE

[14]

EU-Type Examination Certificate No: ACE25ATEX006X Rev00

[15] Description of equipment

The equipment consists of a stator winding compartment, a main terminal box, a deputy terminal box and a meter. The equipment can be equipped with either a TMG meter or a TRG meter. When equipped with a TMG meter, the equipment has three flameproof compartments.

When equipped with a TRG meter, the equipment has four flameproof compartments because the TRG meter enclosure has a flameproof compartment. Flameproof joints between stator winding compartment and main terminal plate are spigot joints and a O-ring gasket is located in main terminal plate. Flameproof joints between stator winding compartment and main terminal box body are spigot joints and a O-ring gasket is located in staor winding compartment. Flameproof joints between stator winding compartment and cover plate are spigot joints and a gasket is between them. Flameproof joints between main terminal box body and main terminal box cover joints are spigot joints and a gasket is between them.

Flameproof joints between deputy terminal box body and deputy terminal box cover joints are spigot joints and a gasket is between them.

Flameproof joints between TRG meter rear cover and spacer are spigot joints. Flameproof joints between TRG meter shell and spacer are spigot joints. Flameproof joints between TRG meter shell and deputy terminal box body are spigot joints and a gasket is between them. Glass pane and TMG meter shell are cemented with epoxy resin.

Flameproof joints between TMG meter shell and deputy terminal box body are spigot joints and a gasket is between them. Material of the motor enclosure is Q235B.

Material of main and deputy terminal box is HT250. Material of the TMG meter shell or TRG meter shell is either ZL102 or YL102. Material of the TRG meter rear cover is DMC.

The canned motor has internal and external earthing mark and bolt.

The main terminal box has three M90x1.5 threaded holes. The deputy terminal box has one reserved M63x1.5 threaded holes.

Detailed type, output power, frequency, rated voltage and maximum temperature of the liquid of the motor inlet are specified as below:

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Type	Output power (kW)	Frequency (Hz)	Rated voltage (V)	Maximum temperature of the liquid of the motor inlet (°C)							
				Ex db IICT3 Gb				Ex db IIC T4 Gb			
				H (C)		J		H (C)		J	
				Conventional	Special heat dissipation treatment	Conventional	Special heat dissipation treatment	Conventional	Special heat dissipation treatment	Conventional	Special heat dissipation treatment
2912	180	50/60	200V, 220V, 230V, 380V, 400V, 415V, 440V, 460V, 480V, 500V, 660V, 690V	/	125	/	/	/	90	/	/
	220	50/60		/	110	/	/	/	80	/	/
	240	50/60		/	80	/	/	/	60	/	/
2917	280	50/60		/	115	/	/	/	95	/	/
	315	50/60		/	100	/	/	/	85	/	/
	330	50/60		/	80	/	/	/	60	/	/
2919	370	50/60		/	130	/	/	/	90	/	/
	400	50/60		/	115	/	/	/	80	/	/
	430	50/60		/	90	/	/	/	60	/	/

H (C) :Stand for grade of the insulation material, J:Stand for the motor enclosure has cooling water jacket.

SCHEDULE

EU – Type Examination Certificate No: ACE25ATEX006 Rev00

[16] Test documents are listed in the test report nº
EX_EXD006_25_25-079

[17] Special conditions for safe use
1. When repair, to contact the original manufacturer for information on the dimensions of the flameproof joints
2. Use fasteners with yield strength $\geq 640\text{MPa}$;

[18] Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

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[19] Documents and technical datasheets:

Title	Object	Revision	Date
Assembly drawing	Y/JH-70416	V2.0	2024.01
Main Terminal box assembly	D3J-3870	V2.0	2024.01
Main Terminal box body	D3J-3906	V2.0	2024.01
Terminal box cover	D3J-3909	V2.0	2024.01
Main terminal plate assembly	D3J-3818	V2.0	2024.01
Main terminal box base	D4Q-2727	V2.0	2024.01
Deputy terminal box assembly	D3J-3871	V2.0	2024.01
Deputy terminal box body	D3J-3964	V2.0	2024.01
Deputy terminal box cover	D3J-3910	V2.0	2024.01
Deputy terminal plate assembly	D3J-3819	V2.0	2024.01
Deputy terminal plate base	Q4Q-2730	V2.0	2024.01
TRG meter assembly	D3R-1002	V2.0	2024.01
TRG meter rear cover	D3U-1024	V2.0	2024.01
TRG meter shell assembly	D4R-1002	V2.0	2024.11
TRG meter bush	D4C-1135	V2.0	2024.11
TRG meter shell	D3B-1806	V2.0	2024.11
TMG meter assembly	D3R-1007	V2.0	2024.01
TMG meter rear cover	D3U-1569	V2.0	2024.01
TMG meter shell assembly	D4R-1016	V2.0	2024.11
TMG meter shell	D3B-7082	V2.0	2024.11
Annex1	Material report of HT250, YL102,ZL102andQ235B	/	/
Annex2	Test report of static pressure	/	/
Annex3	Material report of DMC	/	/
Annex4	Material report of sealing ring	/	/
Annex5	Company standard Q/DDP 0201-2022	/	/
Annex6	Operation instruction	/	/
Annex7	Material report of JX-101 epoxy resin glue	/	/

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Annex8	Technical instruction of cementing	/	/
IECEX Test report	IECEX Test report number: CN/CQM/ExTR15.0045/02 Testing Laboratory: China National Quality Supervision & Inspection Center of Hoisting and Metallurgical & Explosion-proof Electric Machine (JExM)	CN/CQM/ExTR15.0045/02	2024.11.18

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] Declaration of conformity History

Number of certificate	Rev.	Comments	Date
ACE25ATEX006X	00	First emission	19/03/2025

Date: 19/03/2025



Advanced Consulting and Engineering Iberia SL
Notified Body No NB3024

Matteo Marconi, CEO

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