


[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 ACE25ATEX007X 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_EXD007_25_25-080
[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]

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[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.

Flameproof joints between stator winding compartment and main terminal box body are spigot joints and a O-ring gasket is located in stator winding compartment.

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 main terminal box body are spigot joints and a gasket is between them. Glass pane and TRG meter shell are cemented with epoxy resin. Glass pane and TMG meter shell are cemented with epoxy resin.

Flameproof joints between TMG meter shell and main 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 ingress protection is IP65.

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 IIC T3 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
3511	22	50/60	200V, 220V, 230V, 380V, 400V, 415V, 440V, 460V, 480V, 500V, 660V, 690V	75	115	155	/	70	80	105	/
3512	26	50/60		95	105	135	/	65	75	95	/
3515	30	50/60		100	/	125	/	70	/	105	/
3611	37	50/60		75	85	115	/	65	70	105	/
3612	45	50/60		75	90	125	/	70	70	105	/
3615	55	50/60		100	/	125	/	75	/	105	/
3616	65	50/60		70	95	125	/	50	70	110	/
518	22	50/60		55	90	115	/	25	60	85	95
	26	50/60		55	65	115	/	25	45	70	95
615	30	50/60		65	/	105	/	20	/	100	/
616	30	50/60		80	100	105	115	45	60	100	105
	33	50/60		70	80	105	115	30	50	100	105
617	37	50/60		65	70	105	115	20	40	100	105
	45	50/60		60	70	120	/	15	40	105	/
715	55	50/60		80	/	115	/	/	/	100	/
726	30	50/60		/	/	115	/	/	/	60	/
	37	50/60		/	/	115	/	/	/	60	/
728	45	50/60		50	/	100	/	25	/	60	/
	55	50/60		25	/	100	/	/	/	60	/

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

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[13] **SCHEDULE**

[14] EU – Type Examination Certificate No: ACE25ATEX007 Rev00

[16] Test documents are listed in the test report nº
EX_EXD007_25_25-080

[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

[19] Documents and technical datasheets:

Title	Object	Revision	Date
Assemblydrawing	Y/JH-1003	V2.0	2024.01
Main Terminal box assembly	D3J-1824	V2.0	2024.01
Terminal box body	D3B-1428	V2.0	2024.01
Terminal box cover	D3B-1477	V2.0	2024.01
Main terminal plate assembly	D3F-1154	V2.0	2024.01
Terminal box base	4Q-3840	V2.0	2024.01
Deputy terminal box assembly	D3J-1884	V2.0	2024.01
Deputy terminal box body	D3J-1478	V2.0	2024.01
Deputy terminal plate assembly	D3M-1011	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		/

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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	/	/
Annex8	Technical instruction of cementing	/	/
IECEX Test report	IECEX Test report number: CN/CQM/ExTR15.0043/02 Testing Laboratory: China National Quality Supervision & Inspection Center of Hoisting and Metallurgical & Explosion-proof Electric Machine (JExM)	CN/CQM/ExTR15.0043/02	2024.12.06

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
ACE25ATEX007X	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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