

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

- [3] EU – Type Examination Certificate Number ACE25ATEX037X Rev00
- [4] Product Three & Single Phase Asynchronous Explosion Proof Motor Model:YBB700A, YBB702B, YBB702, YBB705, YBB701A, YBB703B, YBB703, YBB706
- [5] Manufacturer Tianjin Sida Electric Motor Co.,Ltd.
- [6] Address No.5 Xinghua Road, Xiqing Economic Development Area, Tianjin 300385, China
- [7] This equipment or protective system and any acceptable variation there to 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 confidential Report nº. EX_EXD022_25_25-1439
- [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 IIB T4 Gb

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Date: 20/10/2025

**Advanced Consulting and Engineering****Iberia SL**

Notified Body No NB3024

Matteo Marconi, CEO

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SCHEDULE

[14]

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[15] Description of equipment

Three phase Asynchronous Explosion Proof Motor and Single phase Asynchronous Explosion Proof Motor are of type protection "db". The enclosure consists of a front endshield and a rear endshield made of cast aluminum alloy A380, together with a housing made of steel grade Q235 or St12. A stator, a rotor, and a shaft are housed inside, with a net volume of 1920 cm³. A cable gland with sealing ring is supplied.

The motor is rated for continuous duty (S1) and features insulation class F

Ambient temperature range: $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$.

Electrical compartment: IP55

Ratings:

Single Phase Asynchronous Explosion Proof Motor

Model	YBB701A	YBB703B	YBB703	YBB706
Output power	120W	180W	370W	370W
Voltage	220/230V	220/230V	220/230V	220/230V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Current	0.9A	1.20A	2.60/2.40A	2.60/2.40A
RPM	2820/3420	2820/3420	2820/3420	1420/1720

Three Phase Asynchronous Explosion Proof Motor

Model	YBB700A	YBB702B	YBB702	YBB705
Output power	120W	180W	370W	370W
Voltage	380/400V	380/400V	380/400V	380/400V
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Current	0.36A	0.45A	1.0A	1.0A
RPM	2820/3420	2820/3420	2820/3420	1420/1720

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[13]

SCHEDULE

[14]

EU – Type Examination Certificate No: ACE25ATEX037X Rev00

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Test documents are listed in the test report nº
EX_EXD022_25_25-1439

[17]

Special conditions for safe use

1. Threaded hole for cable gland:M20×1.5
2. Caution-Use fasteners with yield stress $\geq 640\text{MPa}$.
3. Do not open when an explosive atmosphere is present.
4. Only use cables suitable for 100°C.
5. Flameproof joints are not intended to be repaired.

[18]

Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19]

Documents and technical datasheets:

Title	Object	Revision	Date
YBB700A, 702B, 702, 705 Assembly	0TC0004.0087, 88, 92, 106	A	2025.6.20
YBB700A, 702B, 702, 705 Front endshield	9TC0001.0039	A	2025.6.20
	9TC0001.0035		
YBB700A, 702B, 702, 705 Rear endshield	9TC0003.0040	A	2025.6.20
	9TC0003.0035		
YBB700A, 702B, 702, 705 Housing	7TC0001.0056, 42, 50	A	2025.6.20
YBB700A, 702B, 702, 705 Rotor	5TC0004.0015, 16, 42, 64	A	2025.6.20
YBB700A, 702B, 702, 705 Startor	5TC0003.0016, 17, 64, 69	A	2025.6.20
YBB700A, 702B, 702, 705 Nameplate	6TC0004. 0200-0202, 206	A	2025.6.20
YBB700A, 702B, 702, 705 Long Rod Bolt	8TC0002.0020, 32, 53	A	2025.6.20
YBB701A, 703B, 703, 706 Assembly	0TC0004.0079, 83, 84, 107	A	2025.6.20
YBB701A, 703B, 703, 706 Front endshield	9TC0001.0030	A	2025.6.20
	9TC0001.0028		
YBB701A, 703B, 703, 706 Rear endshield	9TC0003.0041	A	2025.6.20
	9TC0003.0036		
Housing	7TC0001.0066, 25, 51	A	2025.6.20
YBB701A, 703B, 703, 706 Rotor	5TC0004.0043, 44, 50, 54	A	2025.6.20
YBB701A, 703B, 703, 706 Stator	5TC0003.0057, 63, 62, 70	A	2025.6.20
YBB701A, 703B, 703, 706 Nameplate	6TC0004. 0203-0205, 207	A	2025.6.20

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YBB701A, 703B, 703, 706 Long Rod Bolt	8TC0002.0006, 16, 54	A	2025.6.20
Cable sealing ring	6TC0003.0017	A	2025.6.20
Washer	8TC0003.0004	A	2025.6.20
Gland Nut	8TC0002.0031	A	2025.6.20
Material description of Rubber ring	QMP802-02C-01	A	2025.6.20
Material description of Endshield	QMP802-02C-02	A	2025.6.20
Material description of housing	QMP802-02C-04	A	2025.6.20
Material description of Bearing Grease	QMP802-02C-05	A	2025.6.20
Hydrostatic Test Procedure	QMP802-GY-02-06	A	2025.6.20
User's manual	YBB7XX	A	2025.6.20
IECEX report	Report No: PCEC-25103817 Lab: Supervision & Test Center of Ex-products of China Petroleum & Chemical Industry (PCEC)	00	2025.8.27

The above-mentioned documents are strictly confidential and they are of only use of authorities.
A copy of the documents is saved by A.C.&E. Iberia S.L.

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Certificate History

Certificate Number	Rev.	Comments	Date
ACE25ATEX037X	00	First emission	20/10/2025

Date: 20/10/2025



Advanced Consulting and Engineering

Iberia SL

Notified Body No NB3024

Matteo Marconi, CEO

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