Supplement Nr:01

(1) EU-Type Examination Certificate

(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres

Directive 2014/34/EU

(3) EU – Type Examination Certificate Number: **IEP 19ATEX 0710X**

(4) Product: **Miksan mark; FX Series, Mono/three-phase asynchronous motors**

(5) Firm Name: **MİKSAN Motor Sanayi ve Ticaret A.Ş.**

(6) Firm Address: **BOSB Bakır ve Pirinç Sanayicileri Sitesi Menekşe Cad. No:1 Beylikdüzü – Büyükçekmece Istanbul-TÜRKİYE**

(7) This product and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the 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 Nr: IEP.Rp.Ex.10-1493-1, dated 09.10.2026.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-18:2015, EN 60079-31:2014

(10) If the sign " X " is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. 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 mb IIC T4 Gb
II 2D Ex tb mb IIIC T120 °CDb, IP 65/67

Responsible Person:

Nurettin Terzioglu

Head of Certification Body

Supplement 01 Date of Issue: 12.10.2026

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.
Meriç Mah. 5746/1 Sok. No:9/2 Bornova - İzmir / TÜRKİYE
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(13) Schedule

(14) Certificate Nr: **IEP 19 ATEX 0710X**

(15) Description of Equipment; The motors of 63, 71, 80, 90, 100 and 112 types consist of an enclosure made from Aluminum. The motor body is ex db type and has certificate IEP 16 ATEX 0433. The terminal junction box is Ex mb encapsulation type. The power supply cable connection is fixed. PTC thermistor is used. Temperature class range can be controlled by thermistor sensor. The shaft is equipped with ball bearings. Together with the end shields the shaft forms a flameproof joint at the drive. Separately certified cable entry fittings provide for power input. The permissible ambient temperature range is -30 °C to + 40 °C. Motor housing IP 65, terminal connection IP 67. Parts used in motors are available in 6-pages table 3/6/9/12/15/18 and date 18.05.2017. additional parts table 26 and date 19.07.2019. Motor user manual consists of 8 pages and date 08.02.2019.

Technical Data Sheets:

Type	Speed (rpm)	Power (kW)	Voltage /Frequency (V/Hz)
63 2A FX	2785 / 3345	0,18 / 0,22	400 V / 50 Hz,460 V/60 Hz
63 2B FX	2755 / 3310	0,25 / 0,30	400 V / 50 Hz,460 V/60 Hz
63 2C FX	2760 / 3315	0,37 / 0,44	400 V / 50 Hz,460 V/60 Hz
63 4A FX	1380 / 1660	0,12 / 0,14	400 V / 50 Hz,460 V/60 Hz
63 4B FX	1330 / 1600	0,18 / 0,22	400 V / 50 Hz,460 V/60 Hz
63 4C FX	1320 / 1585	0,25 / 0,30	400 V / 50 Hz,460 V/60 Hz
712A FX	2790 / 3350	0,37 / 0,44	400 V / 50 Hz, 460 V/60 Hz
712B FX	2760 / 3310	0,55 / 0,66	400 V / 50 Hz, 460 V/60 Hz
714A FX	1420 / 1705	0,25 / 0,30	400 V / 50 Hz, 460 V/60 Hz
714B FX	1425 / 1710	0,37 / 0,44	400 V / 50 Hz, 460 V/60 Hz
716A FX	925 / 1110	0,18 / 0,22	400 V / 50 Hz, 460 V/60 Hz
716B FX	920 / 1105	0,25 / 0,30	400 V / 50 Hz, 460 V/60 Hz
802A FX	2800 / 3360	0,75 / 0,90	400 V / 50 Hz, 460 V/60 Hz
802B FX	2790 / 3350	1,10 / 1,32	400 V / 50 Hz, 460 V/60 Hz
804A FX	1410 / 1690	0,55 / 0,66	400 V / 50 Hz, 460 V/60 Hz
804B FX	1430 / 1715	0,75 / 0,90	400 V / 50 Hz, 460 V/60 Hz
806A FX	930 / 1120	0,37 / 0,44	400 V / 50 Hz, 460 V/60 Hz
806B FX	920 / 1105	0,55 / 0,66	400 V / 50 Hz, 460 V/60 Hz
90S2A FX	2865 / 3440	1,50 / 1,80	400 V / 50 Hz, 460 V/60 Hz
90L2B FX	2875 / 3450	2,20 /2,64	400 V / 50 Hz, 460 V/60 Hz
90S4A FX	1420 / 1705	1,10 / 1,32	400 V / 50 Hz, 460 V/60 Hz
90L4B FX	1415 / 1700	1,50 / 1,80	400 V / 50 Hz, 460 V/60 Hz
90S6A FX	911 / 1095	0,75 / 0,90	400 V / 50 Hz, 460 V/60 Hz
90L6B FX	912 / 1165	1,10 / 1,32	400 V / 50 Hz, 460 V/60 Hz
1002A FX	2875 / 3450	3,00 / 3,60	400 V / 50 Hz, 460 V/60 Hz
1002B FX	2865 / 3440	4,00 / 4,80	400 V / 50 Hz, 460 V/60 Hz
100 4A FX	1430 / 1715	2,20 / 2,64	400 V / 50 Hz, 460 V/60 Hz
1004B FX	1425 / 1710	3,00 / 3,60	400 V / 50 Hz, 460 V/60 Hz
1006A FX	930 / 1115	1,50 / 1,80	400 V / 50 Hz, 460 V/60 Hz
1122A FX	2895 / 3475	4,00 / 4,80	400 V / 50 Hz, 460 V/60 Hz
1122B FX	2890 / 3470	5,50 / 6,60	400 V / 50 Hz, 460 V/60 Hz
112 4A FX	1445 / 1735	4,00 / 4,80	400 V / 50 Hz, 460 V/60 Hz
1126A FX	930 / 1115	2,20 / 2,64	400 V / 50 Hz, 460 V/60 Hz

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

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(16) Certificate Nr: **IEP 19 ATEX 0710X**

(17) Motor Code System:

xxx xx FX

- FX → Exproof Motor Series
- xx → Pole / Power Type (2A, 2B, 2C, 4A, 4B, 4C , 6A, 6B)
- xxx → Motor type (63, 71, 80, 90, 100, 112)

(18) Special Conditions for Safe Use: xx xx FX Series mono/three-phase asynchronous motors installation details are in the manual.

(19) Essential Health and Safety Requirements:

19.1 This certificate is in the contents of standards that mentioned in item [9]. It has been accepted that the FX series mono/three-phase asynchronous motors are manufactured according to the producer instructions and the standards mentioned above.

19.2 Installation and the operation of the 63, 71, 80, 90, 100 and 112 types mono/three-phase asynchronous motors have to be executed according to manufacturer manual in page.

19.3 (IEP 19 ATEX 0710X) X Means **:** Read the installation manual. Connect the PTC thermistor. Energy connection cables should be minimum 3 meters. Motor housing IP 65, terminal connection IP 67

(20) Drawings:

Drawing Nr;	**Drawing Name;**	**Date;**
63xx01	63 FX Frame	12.05.2017
63xx02	63 Stator	11.01.2019
63xx03	63 FX Shaft	27.12.2018
63xx04	63 FX Rotor Grinding	26.12.2018
63xx05	63 FX Cover	02.01.2019
63xx06	63 FX B14 Mounting Flange	28.12.2018
63xx07	63 FX B5 Mounting Flange	12.05.2017
63xx08	63 80 FX Terminal Box	15.01.2019
63xx09	63 Fan	02.12.2013
63xx10	63 Cooling Part	02.12.2013
63xx11	63 Flame Path	11.01.2019
71xx01	71 FX Frame	02.01.2019
71xx02	71 Stator	11.01.2019
71xx03	71 FX Shaft	21.08.2015
71xx04	71/2 FX Rotor Grinding	28.06.2018
71xx05	71/4 FX Rotor Grinding	28.06.2018
71xx06	71/6 FX Rotor Grinding	28.06.2018
71xx07	71 FX Cover	02.01.2019
71xx08	71 FX B14 Mounting Flange	02.01.2019
71xx09	71 FX B5 Mounting Flange	02.01.2019
71xx10	63-80 FX Terminal Box	15.01.2019
71xx11	71 Fan	10.11.2018
71xx12	71 Cooling Part	10.11.2018
71xx13	71 Flame Path	03.01.2018

Responsible Person:
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Head of Certification Body

(21) Certificate Nr: **IEP 19 ATEX 0710X**

(22)Drawings:

Drawing Nr;	Drawing Name;	Date;
80xx01	80 FX Frame	07.04.2016
80xx02	80 Stator	25.12.2018
80xx03	80 FX Shaft	17.03.2016
80xx04	80/2 FX Rotor Grinding	14.01.2019
80xx05	80/4 FX Rotor Grinding	14.01.2019
80xx06	80 FX Cover	04.11.2016
80xx07	80 FX B14 Mounting Flange	07.09.2017
80xx08	80 FX B5 Mounting Flange	07.09.2017
80xx09	63-80 FX Terminal Box	15.01.2019
80xx10	80 Fan	07.08.2003
80xx11	80 Cooling Part	11.08.2009
80xx12	80 Flame Path	14.01.2019
90xx01	90S-L FX Frame	29.03.2017
90xx02	90 Stator	03.04.2017
90xx03	90S FX Shaft	03.01.2019
90xx04	90L FX Shaft	03.01.2019
90xx05	90/2 FX Rotor Grinding	03.01.2019
90xx06	90/4 FX Rotor Grinding	03.01.2019
90xx07	90 FX Cover	03.01.2019
90xx08	90 FX B14 Mounting Flange	03.01.2019
90xx09	90 FX B5 Mounting Flange	03.01.2019
90xx10	90-112 FX Terminal Box Cover	05.01.2019
90xx11	90 Fan	07.04.2017
90xx12	90 Cooling Part	29.05.2019
90xx13	90 Flame Path	05.01.2019
100xx01	100 Frame	17.01.2019
100xx02	100 2/4 Stator	17.01.2019
100xx03	100 FX Shaft	17.01.2019
100xx04	100/2 FX Rotor Grinding	17.01.2019
100xx05	100/4 FX Rotor Grinding	17.01.2019
100xx06	100 FX Cover	24.01.2019
100xx07	100 FX B14 Mounting Flange	07.04.2017
100xx08	100 FX B5 Mounting Flange	07.04.2017
100xx09	100 FX Terminal Box Cover	05.01.2019
100xx10	100 Fan	24.06.2009
100xx11	100 Cooling Part	24.06.2009
100xx12	100 Flame Path	15.02.2019
112xx01	112 Frame	05.04.2017
112xx02	112 2/4 Stator	07.04.2017
112xx03	112 FX Shaft	14.02.2019
112xx04	112/2 FX Rotor Grinding	14.02.2019
112xx05	112/4 FX Rotor Grinding	14.02.2019

Responsible Person:

Nurettin Terzioglu
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(23) Certificate Nr: **IEP 19 ATEX 0710X**

(24)Drawings:

Drawing Nr;	**Drawing Name;**	**Date;**
112xx06	112 FX Cover	14.02.2019
112xx07	112 FX B14 Mounting Flange	07.04.2017
112xx08	112 FX B5 Mounting Flange	07.04.2017
112xx09	112 FX Terminal Box Cover	05.01.2019
112xx10	112 Fan	24.06.2009
112xx11	112 Cooling Part	25.03.2011
112xx12	112 Flame Path	15.02.2019
xx13	Terminal connections with encapsulation	22.04.2019
xx14	Encapsulation volume	06.03.2019

Other Drawings;

Hazardous Area, date 10.01.2019
Mechanical Connection Diagram, date 10.01.2019
Electrical Connection Diagram, date 11.01.2019
Label, date 11.01.2019
Grounding Connection Diagram, date 14.01.2019

(25) List of Documentation:

- User manual ; Technical file, Part 5, 8 pages dated 08.10.2026
- Equipment List ; 63 Type, Part 2.1.4.4 dated 08.02.2019
  71 Type, Part 2.2.4.4 dated 08.02.2019
  80 Type, Part 2.3.4.4 dated 08.02.2019
  90 Type, Part 2.4.4.4 dated 08.02.2019
  100 Type, Part 2.5.4.4 dated 08.02.2019
  112 Type, Part 2.6.4.4 dated 08.02.2019
  Additional parts table 26 and date 19.07.2019.
- Certificate, Declaration and Reports; Technical file, Part 4
- Motor Test Reports; Technical file, Part 4.29, 14 reports and total 28 pages.

(26) For the validity of analysis type certificate, the parts that are used in motors are confirmed in the 6-page table 3/6/9/12/15/18 and date 18.05.2017, additional table 26 date 19.07.2019.

Certificate History;

Supplement Nr	Supplement Date	Summary Description of Variation
01	12.10.2026	Updated in accordance with the IEC EN 60079-0:2018 standard.
00	31.07.2019	First issue of certificate

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Supplement 01 Date of Issue: 12.10.2026

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