IEP | ENERGY PETROLEUM INSTITUTE

IEP ATEX

Supplement Nr:01

(1) Type Examination Certificate

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

Directive 2014/34/EU

(3) Type Examination Certificate Number: **IEP 18 ATEX 0584**

(4) Equipment: **Miksan mark; TX types, 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 equipment or protective system 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., certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of category 3 equipment, which is intended for use in potentially explosive atmospheres, given in Annex II to the Council Directive 2014/34/EU. The examination and test results are recorded in confidential Report Nr: IEP.Rp.Ex.10-1255-1, dated 09.10.2026.

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

EN IEC 60079-0:2018, EN 60079-31:2014

(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 Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment or protective system shall include the following:

Ex **II 3D Ex tc IIIC T135 °C Dc, IP 65**

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

ENERGY PETROLEUM INSTITUTE * IEP ATEX * INSPECTION AND CERTIFICATION

Supplement 01 Date of Issue: 12.10.2026

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(13) Schedule

(14) Certificate Nr: **IEP 18 ATEX 0584**

(15) Description of Equipment;

The motors of 63, 71, 80, 90, 100, 112 and 132 consist of an enclosure made from Aluminum. The shaft is equipped with ball bearings. The Three-Phase Asynchronous Motors series TX are intended for use in hazardous locations (Zone 22 according to EN 60079-10-2), to drive pumps, fans, compressors and any other kind of suitable machines; they are intended to be supplied directly by network. The permissible ambient temperature range is -20 °C to + 40 °C. Temperature class range can be controlled by temperature sensor. Parts used in motors are available in 6-page table 3/6/9/12/15/18/21 and date 20.02.2018. Motor user manual consists of 4 pages and date 08.10.2026.

Technical Sheets

Types	Speed (rpm)	Power (kW) (50/60 Hz)	Voltage /Frequency (V/Hz)
63 2A TX	2785 / 3345	0,18 / 0,22	230 and 400 V / 50 Hz, 265 and 460 V/60 Hz
63 2B TX	2755 / 3310	0,25 / 0,30	
63 2C TX	2780 / 3335	0,37 / 0,44	
63 4A TX	1380 / 1660	0,12 / 0,14	
63 4B TX	1330 / 1600	0,18 / 0,22	
71 2A TX	2790 / 3350	0,37 / 0,44	
71 2B TX	2760 / 3310	0,55 / 0,66	
71 2C TX	2750 / 3300	0,75 / 0,90	
71 4A TX	1420 / 1705	0,25 / 0,30	
71 4B TX	1425 / 1710	0,37 / 0,44	
80 2A TX	2800 / 3360	0,75 / 0,90	
80 2B TX	2790 / 3350	1,1 / 1,32	
80 2C TX	2830 / 3395	1,50 / 1,80	
80 4A TX	1410 / 1690	0,55 / 0,66	
80 4B TX	1430 / 1715	0,75 / 0,90	
90S 2A TX	2865 / 3440	1,5 / 1,80	
90L 2B TX	2875 / 3450	2,2 / 2,64	
90L 2C TX	2865 / 3440	3,00 / 3,50	
90S 4A TX	1420 / 1705	1,10 / 1,32	
90L 4B TX	1415 / 1700	1,5 / 1,80	
100 2A TX	2875 / 3450	3 / 3,60	
100 2B TX	2865 / 3440	4 / 4,80	230 and 400 V / 50 Hz , 265 and 460 V/60 Hz 400 and 690 V / 50 Hz , 460 and 800 V/60 Hz
100 4A TX	1430 / 1715	2,2 / 2,64	230 and 400 V / 50 Hz, 265 and 460 V/60 Hz
100 4B TX	1425 / 1710	3 / 3,60	
112 2A TX	2895 / 3475	4 / 4,80	230 and 400 V / 50 Hz , 265 and 460 V/60 Hz 400 and 690 V / 50 Hz , 460 and 800 V/60 Hz
112 2B TX	2890 / 3470	5,5 / 6,60	
112 4A TX	1445 / 1735	4 / 4,80	
132S 2A TX	2885 / 3465	5,5 / 6,60	
132M 2B TX	2925 / 3510	7,5 / 9,00	
132M 2C TX	2930 / 3515	11,0 / 13,2	
132S 4A TX	1455 / 1745	5,5 / 6,60	
132M 4B TX	1460 / 1750	7,5 / 9,00	
Ta: (-20 ~ + 40) °C ; IP 65			

Responsible Person:
Nurettin Terzioglu
Head of Certification Body

(16) Certificate Nr: **IEP 18 ATEX 0584**

(17) Motor Code System;

X XX TX

- TX → Exproof Motor Series
- XX → Number of poles (2, 4) ; Stator and rotor pack (A, B, C)
- X → Motor type (63, 71, 80, 90S, 90L, 100, 112, 132S, 132M)

(18) Special Conditions for Safe Use: TX types, 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 TX types, 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 TX types, Mono/three-phase asynchronous motors have to be executed according to manufacturer manual in page.

19.3 The motor winding must be protected by a temperature thermistor or thermal switch.

19.4 Cable entries shall comply with the standards EN 60079-0 & EN 60079-31.

19.5 The equivalent potential protection ground shall be in accordance with EN 60079-0.

(20) List of Documentation:

Additional reports;
IP protection degree test report number is TSE – 400961/04-18
Efficiency tests 12.04.2018 (according to EN 60034-2-1)
IEP-MİKSAN Test reports; Between page 199 and 205 (Total 7 pages)

Drawing Nr:	**Drawing Date:**
63TXxx-01…16	01-02.2018
71TXxx-01…16	01-02.2018
81TXxx-01…16	01-02.2018
90TXxx-01…16	01-02.2018
100TXxx-01…16	01-02.2018
112TXxx-01…16	01-02.2018
132TXxx-01…16	01-02.2018

For the validity of analysis type certificate, the parts that are used in motors are confirmed in the table 3/6/9/12/15/18/21 and date 20.02.2018.

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	08.05.2018	First issue of certificate

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Supplement 01 Date of Issue: 12.10.2026

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