Supplement Nr: 04

(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 11 ATEX 018X**

(4) Product: **CP Ex xx and EP Ex xx Series Transfer Pumps**

(5) Firm Name: **MİKSAN MOTOR SANAYİ VE TİCARET A.Ş.**

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

(7) This product 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 veTeknik 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.10-321-4 date 27.03.2024.

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

EN IEC 60079-0:2018, EN ISO 80079-36:2016, EN ISO 80079-37:2016

(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 2 G Ex db IIB T4 Ga
II ½ G Ex h IIB T4 Ga/Gb

Responsible Person :
Nurettin Terzioglu
Head of Certification Body

ENERGY PETROLEUM INSTITUTE * IEP ATEX * NB 2284 * INSPECTION AND CERTIFICATION

Supplement 04 Date of issue : 03.04.2024

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(13) Schedule

(14) Certificate Nr: **IEP 11 ATEX 018X**

(15) Description of Equipment:

CP/EP Ex xx Series transfer pumps is produced as pumps with Ex d protection type driving electric engines which are used in transferring of materials in IIA / IIB gas group.
The parts and materials that are used in CP/EP Ex xx Series Transfer Pumps has been determined in the part 3 of date 19.06.2023.

Pump body is made of GG 25, intermediate body and coupling are made of Aluminum, Pumps impeller fan is made of brass/AISI 4140 and shaft is made of 316-L stainless steel.
The db Explosion proof protection type motor which is suitable for EN IEC 60079-0, EN 60079-1 standard in CP/EP Ex xx Series transfer pumps is used.

CP/EP Ex xx Series Transfer Pumps has been evaluated as Zone 0 (mechanical) and Zone 1 (Electrical) that be used danger area determined in the EN 60079-10-1 standard. Pump and volute can be operating in zone 0.

Technical Parameters;

Type	EP 150	EP 152	EP 250	EP 252	EP 350	CP EX xx
Flow (l/dk)	150	150	250	250	350	110 ~ 115
Power (kW)	0,37	0,90	0,55	1,1	0,75	0,37 kW
Voltage (V) / frequency (Hz)	230/400 V 50 Hz OR 265/460 V 60 Hz	230/400 V 50 Hz OR 265/460 V 60 Hz	230/400 V 50 Hz OR 265/460 V 60 Hz	230/400 V 50 Hz OR 265/460 V 60 Hz	230/400 V 50 Hz OR 265/460 V 60 Hz	230/400 V 50 Hz OR 265/460 V 60 Hz
Speed (rpm)	2835 OR 3405 3433*	2905 OR 3517 3427*	2773 OR 3420 3367*	2875 OR 3497 3382*	2905 OR 3527 3465*	2915 OR 3460*
Ta (°C)	Ambient Temperature -20 °C ~ + 40 °C					
T_l (°C)	Liquid Temperature 5 °C ~ + 60 °C					
Immersion Depth (mm)	200	240	200	250	200	130
	270	310	270	320	270	180
	350	390	350	400	350	230
	440	480	440	490	440	280
	550	-	550	-	550.	350

Product Code System;

CP/EP Ex xx

- xx → Immersion Depth
- Ex → Exproof product group
- CP/EP → Type

Responsible Person :

Nurettin Terzioglu
Head of Certification Body

(17) Certificate Nr: **IEP 11 ATEX 018X**

(16) Special Conditions for Safe Use: Assembly and working of CP / EP Ex xx Transfer Pumps series with other related equipment's must be adapted to national regulations.

IEP 11 ATEX 018X (X Means) : Pumps must be installed and maintained by authorized persons or authorized organizations in accordance with the user manual and standards. In case of unauthorized revision, re-approval must be obtained.

(18) Essential Health and Safety Requirements:

18.1 This certificate is in the contents of standards that mentioned in item [9]. It has been accepted that CP / EP Ex xx Series Transfer Pumps are manufactured according to the producer instructions and the standards mentioned above.
18.2 Information's of assembly and working of CP Ex xx Series Transfer Pumps with other related equipments exist in instruction manual with 15 pages approved and date january.2017 and EP Ex xx series 16 pages approved and date january.2024.

(19) List of Documentation;

- CP Ex xx Transfer Pumps series user manual : 15 pages, dated January.2017
- EP Ex xx Transfer Pumps series user manual : 16 pages, dated January.2024
- Component Lists : Part 4 – dated January.2024
- Component Lists : Part 3 – dated 25.01.2017
- Mounting Pictures and Technical Drawings : Part 3.9 - 18 drawings
- Certificates and Test Reports : Part 4 – 28 pages, Add 2 pages
- Certificates and Test Reports : Part 5 – 38 pages,

Drawing Nr;	**Date;**	**Drawing Nr;**	**Date;**
CP Ex xx 01	27.01.2011	CPEx01	26.01.2011
CP Ex xx 02	01.02.2011	CPEx02	26.01.2011
CP Ex xx 03	26.01.2011	CPEx03	26.01.2011
CP Ex xx 04	02.02.2011	CPEx04	26.01.2011
CP Ex xx 05	26.01.2011	CPEx05	19.06.2023
CP Ex xx 06	26.01.2011	CPEx06	19.06.2023
CP Ex xx 07	26.01.2011	CPEx07	07.06.2023
CP Ex xx 08	25.08.2010	CPEx08	19.06.2023
CP Ex xx 09	26.01.2011	CPEx09	19.06.2023
CP Ex xx 010	26.01.2011	CPEx10	11.06.2023
CP Ex xx 011	24.08.2010	CPEx11	07.06.2023
CP Ex xx 012	23.08.2010	CPEx12	08.06.2023
CP Ex xx 013	27.01.2011	CPEx13	07.06.2023
CP Ex xx 014	18.03.2009	CPEx14	26.01.2011
CP Ex xx 015	26.01.2011	CPEx15	23.05.2002
CP Ex xx 016	18.03.2009	EPEx 3.1	12.12.2023
CP Ex xx 017	23.08.2010	EPEx 01	26.01.2011
CP Ex xx 018	18.03.2009	EPEx 02	26.01.2011
CP Ex xx 026	25.01.2017	EPEx 04	12.12.2023

Responsible Person :

Nurettin Terzioglu
Head of Certification Body

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(17) Certificate Nr: **IEP 11 ATEX 018X**

Drawing Nr;	Date;	Drawing Nr;	Date;
EP Ex 05	12.12.2023	EP Ex 06	12.12.2023
EP Ex 07	12.10.2023	EP Ex 08	06.12.2023
EP Ex 09	12.12.2023	EP Ex 10	22.02.2013
EP Ex 11	06.12.2013	EP Ex 12	22.02.2013
EP Ex 13	22.02.2013	EP Ex 14	06.12.2013
EP Ex 15	22.02.2013	EP Ex 16	30.11.2013
EP Ex 17	22.02.2013	EP Ex 18	21.08.2013
EP Ex 19	13.08.2013	EP Ex 20	13.08.2020
EP Ex 21	13.08.2020	EP Ex 22	13.08.2020
EP Ex 23	10.01.2024	EP Ex 24	15.08.2008

- For the validity of type certificate, the parts that are used in CP Ex xx Series Transfer pumps are determined in confirmed part 2 and dated 19.06.2023 and EP Ex xx Series Transfer pumps are determined in confirmed part 4 dated January.2024

Certificate History;

Supplement Nr	Supplement Date	Summary Description of Variation
04	03.04.2024	Scope Expansion EP xx series
03	06.10.2023	Design Change, Standard revision and Standard Change (EN IEC 60079-0:2018, EN ISO 80079-36:2016, EN ISO 80079-37:2016)
02	17.02.2017	Regulation Revision 2014/34/EU and Standard Change
01	30.06.2011	Revision
00	14.04.2011	First issue of certificate

Responsible Person :
Nurettin Terzioglu
Head of Certification Body

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Supplement 04 Date of issue : 03.04.2024

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