



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX KSCP 25.0044X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2026-01-12
Applicant: **INNOTECH Co.**
80, Hodusan-ro, Seo-gu,
Incheon-si 22744
Korea, Republic of
Equipment: **Explosion proof motor IExM-160-***** - Type series**
Optional accessory:
Type of Protection: **flameproof enclosure "d"**
Marking: Ex db IIC T4 Gb
Ta: -20 °C to +50 °C

Approved for issue on behalf of the IECEx
Certification Body:

Sang He Kim

Position:

President of the Board

Signature:
(for printed version)

Date:
(for printed version)

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

KSC POLAND Sp. z o.o.
Chorzowska 150 Street
Katowice 40-101
Poland





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Manufacturing
locations: **INNOTECH Co.**
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This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[PL/KSCP/ExTR25.0041/00](#)

Quality Assessment Report:

[PL/KSCP/QAR25.0008/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Explosion-proof Motor IExM-160-***** comprises a stator frame, end shield, terminal box all manufactured from aluminum alloy ALDC. 12.1. The drive shaft is supported by rolling element bearings and has an external cooling fan at the non-drive end. The end-shield and terminal box fasteners are hexagon socket head type with a A2-70 stainless steel. Refer to certificates addendum.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Some of equipment flame paths lengths have dimensions that exceed required dimensions in accordance with IEC 60079-1. All information about flame paths dimensions of the equipment shall be obtained from the manufacturer. The flameproof joints are not intended to be repaired.
- Use special fasteners with a tensile stress of at least 700 MPa for M6,M8.

Annex:

[Addendum_IECEX KSCP 25.0044X_0.pdf](#)



Addendum to IECEx Certificate

Reference Number..... :	IECEx KSCP 25.0044X
Issue..... :	Issue 0

Description

Explosion-proof Motor IExM-160-***** comprises a stator frame, end shield, terminal box all manufactured from aluminum alloy ALDC. 12.1. The drive shaft is supported by rolling element bearings and has an external cooling fan at the non-drive end. The end-shield and terminal box fasteners are hexagon socket head type with a A2-70 stainless steel. Cable bushing is provided between the motor frame and the terminal box.

The model explanation and specification are given below:

① ExM - 160 - *** * * ① ② ③ ④ ⑤ ⑥
① I is certificated product with IEC 60079-0 & IEC 60079-1 standard for Flameproof structure. ② ExM is Explosion-proof Motor ③ 160 is Core Diameter ④ Out Put(kW) 370 = 3.7 kW(5 HP) 220 = 2.2 kW(3 HP) 150 = 1.5 kW(2 HP) 110 = 1.1 kW(1.5 HP) 030 = 0.3 kW(0.4 HP) 040 = 0.4 kW(0.5 HP) ⑤ Poles Blank = 2 Poles F = 4 Poles G = 6 Poles ⑥ Input Voltage T = Triple Phase 440-415-380-220 V S = Single Phase 240-220 V

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Model	Output (kW)	Poles (P)	Voltage (V)	Amps (A)	Hertz (Hz)	EFF. (%)	P. Factor (%)	RPM (rpm)	INS. (class)
IExM-160-370T	3.7	2	3-Ph 440	8.7	60	89.0	87.8	3,545	F
			3-Ph 415	10.6	50				
			3-Ph 380	7.7	60				
			3-Ph 380	9.1	50				
			3-Ph 220	12.2	60				
3-Ph 220	15.8	50							
IExM-160-220T	2.2	2	3-Ph 440	5.7	60	87.5	87.8	3,520	F
			3-Ph 415	8.9	50				
			3-Ph 380	4.7	60				
			3-Ph 380	6.4	50				
			3-Ph 220	7.8	60				
3-Ph 220	11.2	50							
IExM-160-150T	1.5	2	3-Ph 440	4.6	60	86.5	81.9	3,540	F
			3-Ph 415	5.7	50				
			3-Ph 380	3.4	60				
			3-Ph 380	4.3	50				
			3-Ph 220	5.7	60				
3-Ph 220	7.5	50							
IExM-160-150FS	1.5	4	1-Ph 240	8.5	60	84.4	95.1	1,580	F
			1-Ph 220	8.4	60				
			1-Ph 240	8.6	50				
			1-Ph 220	8.7	50				
IExM-160-150FT	1.5	4	3-Ph 440	3.2	60	87.4	81.0	1,580	F
			3-Ph 440	3.4	50				
			3-Ph 380	3.5	60				
			3-Ph 380	4.0	50				
			3-Ph 220	5.9	60				
3-Ph 220	7.1	50							
IExM-160-110FT	1.1	4	3-Ph 440	2.8	60	87.2	81.3	1,580	F
			3-Ph 440	2.6	50				
			3-Ph 380	2.8	60				
			3-Ph 380	2.4	50				
			3-Ph 220	4.4	60				
3-Ph 220	3.8	50							
IExM-160-030GS	0.3	6	1-Ph 240	2.1	60	66.5	86.3	1,140	F
			1-Ph 220	2.1	60				
			1-Ph 240	1.8	50				
			1-Ph 220	1.7	50				
IExM-160-040GT	0.4	6	3-Ph 440	0.9	60	73.6	66.6	1,130	F
			3-Ph 440	1.0	50				
			3-Ph 380	0.9	60				
			3-Ph 380	0.9	50				
			3-Ph 220	1.5	60				
3-Ph 220	1.7	50							

Item	Detail
Manufacturer's name or Registered trade mark	INNOTECH Co. 
Address	80, Hodusan-ro, Seo-gu, Incheon-si, 22744, Republic of Korea
Equipment name	Explosion-proof Motor
Type identification	IExM-160-*****
Serial no. and date of manufacture	S/N: _____ Date: _____
IECEX Certificate number	IECEX KSCP 25.0044X
Ex Code	Ex db IIC T4 Gb
Ambient	-20 °C ≤ T _{amb} ≤ +50 °C
Rating	Single or Three-phase, 220 ~ 440 VAC, 50/60 Hz, 0.3 ~ 3.7 kW, 1 130 ~ 3 545 rpm
Warnings	- Do not open when an explosive atmosphere is present.

Conditions of manufacture:

N/A

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