



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 UL 19.0027X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2019-09-30

Applicant: **Great Plains Industries Inc.**
5252 E. 36th Street North
Wichita, KS 67220
United States of America

Equipment: **Motor, Model G20-012PX**

Optional accessory:

Type of Protection: **Flameproof "db"**

Marking: Ex db IIA T4 Gb
-30°C ≤ Tamb ≤ +55°C

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:

2019-09-30

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **Great Plains Industries Inc.**
5252 E. 36th Street North
Wichita, KS 67220
United States of America

Additional
manufacturing
locations:

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014-06 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:

[US/UL/ExTR19.0030/00](#)

Quality Assessment Report:

[GB/FME/QAR13.0010/05](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Great Plains G20-012PX series motor is a fuel pump flameproof motor construction that is a DC permanent magnet electric motor for use in Hazardous Locations.

The motor enclosure consists of the drive-end end shield, the opposite drive-end end shield, the motor housing, and the cover plate that contains the flameproof enclosure.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The flameproof joints are not intended to be repaired.
- The special fasteners used as securing bolts for the end bell are made of Class 10.9 type fasteners. The special fasteners used for electrical cover plate attachment are made of Class A2-70 type fasteners.

Annex:

Annex to [Annex to IECEx UL 19.0027X Issue 0.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

Rated Voltage	12 V DC
Rated Current	34 A
Rated Horsepower	0.38 HP
Rated rpm	2000 RPM
Duty Rating	30 minute on, 30 minute off

MARKING

Marking has to be readable and indelible; it has to include the following indications:

GPI 5252 E 36TH ST N **G20-012PX**
 WICHITA, KS 67220



F [Redacted]



ELECTRIC MOTOR FOR
HAZARDOUS LOCATIONS
CLASS I, GROUP D

OP. TEMP.
CODE T3C

II 2 G Ex db IIA T4 Gb
DEMKO 19 ATEX 2113X



Ex db IIA T4 Gb
IECEX UL 19.0027X

OP. TEMP.
CODE T4

Mfg. [Redacted]
Date [Redacted]

162235-01B

REFER TO MANUAL FOR WIRING INSTRUCTIONS

30 ON / 30 MIN. OFF DUTY		98°C RISE	
12 VDC	34 AMPS	2000 RPM	0.38 HP
-30°C < Tamb < +55°C			