

# CERTIFICATE OF CONFORMITY



- HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
- Certificate No:** FM19US0238
- Equipment:**  
(Type Reference and Name)
  - Model A80EX Type EX Electric-Battery-Powered Industrial Truck with Articulating Boom,
  - Model A60JEX Type EX Electric-Battery-Powered Industrial Truck with Articulating Boom
  - Model T46JEX Type EX Electric-Battery-Powered Industrial Truck with Telescoping Boom
  - Model AE45JEX Type EX Electric-Battery-Powered Industrial Truck with Articulating Boom
- Name of Listing Company:** Bailey Specialty Cranes & Aerials LLC
- Address of Listing Company:** S81 W18561 Gemini Dr  
Muskego WI 53150  
United States
- The examination and test results are recorded in confidential report number:  
PR453580 dated 26<sup>th</sup> February 2020
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:  
FM Class 3600:2018, FM Class 3610:2010, FM Class 3615:2018,  
ANSI/UL 583:2018, ANSI/NFPA 505:2018
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

**Certificate issued by:**

J.E. Marquedant  
VP, Manager - Electrical Systems

8 December 2020

Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

# SCHEDULE



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10. Equipment Ratings:

The 48VDC Electric Battery Powered Industrial Trucks are suitable for use in hazardous (classified) locations as Type EX Class I, Division 1, Group D, T4, Ta= 20°C to +40°C

11. The marking of the equipment shall include:

Type EX Class I, Division 1, Group D, T4 Ta = -20°C to +40°C

12. **Description of Equipment:**

General – The Model A80EX is a Type EX battery-powered electrical industrial truck with an articulated boom. The maximum platform capacity is 500-lbs. The truck is powered by a 48VDC battery. Its maximum gross weight is 38,925 lbs. The maximum height of the platform is 80ft measured to the floor of the operating platform. The upper portion of the machine (turret, boom, and platform) can rotate 360 degrees continuously. The rated truck speed is 1.5 MPH. The Model A80EX has a maximum gradeability is 30%.

General – The Model A60JEX is a Type EX battery-powered industrial truck with an articulated boom. The maximum platform capacity is 500-lbs. The truck is powered by a 48VDC Battery. Its maximum gross weight is 27,550 lbs. The maximum height of the platform is 60ft measured to the floor of the operating platform. The upper portion of the machine (turret, boom, and platform) can rotate 360 degrees non-continuously. The rated truck speed is 1.5 MPH. The Model A60JEX has a maximum gradeability is 30%.

General – The Model T46JEX is a Type EX battery-powered Industrial Truck with a telescopic boom . The maximum platform capacity is 600-lbs. The Truck is powered by a 48VDC Battery. Its maximum gross weight is 21,525 lbs. The maximum height of the platform is 46ft measured to the floor of the operating platform. The upper portion of the machine (Turret, boom, and platform) can rotate 360 degrees continuously. The rated truck speed is 1.5 MPH. The T46JEX has a maximum gradeability of 30%.

General – The Model AE45JEX is a Type EX battery-powered industrial truck with an articulated boom. The maximum platform capacity is 500-lbs. The truck is powered by a 48VDC Battery. Its maximum gross weight is 15,000 lbs. The maximum height of the platform is 45ft measured to the floor of the operating platform. The upper portion of the machine (turret, boom, and platform) can rotate 360 degrees non-continuously. The rated truck speed is 1.5 MPH. The Model AE45JEX has a maximum gradeability is 30%.

**Ratings** - The ambient operating temperature range for the Models A80EX, A60JEX, T46JEX and AE45JEX Type EX battery Powered Industrial Trucks is -20°C to 40°C.

Electrical data:

The Models A80EX, A60JEX, T46JEX and AE45JEX Type EX battery Powered Industrial Trucks are powered by 48Vdc. ,

Truck Models:

Model A80EX Type EX Electric-Battery-Powered Industrial Truck with Articulating Boom rated at 500 lbs. (227 kg) capacity with a maximum lift height of 80 ft (24.4 m). Suitable for use in Class I, Division 1, Group D, T4 Hazardous (Classified) Locations.

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Model A60JEX Type EX Electric-Battery-Powered Articulating Boom Industrial Truck with Articulating Boom rated at 500 lbs. (227 kg) capacity with a maximum lift height of 60 ft (18.29 m). Suitable for use in Class I, Division 1, Group D, T4 Hazardous (Classified) Locations.

Model T46JEX TYPE EX Electric-Battery-Powered Industrial Truck with Telescopic Boom rated at 600 lbs. (272 kg) capacity with a maximum lift height of 46 ft (14.0 m). Suitable for use in Class I, Division 1, Group D, T4 Hazardous (Classified) Locations.

Model AE45JEX Type EX Electric-Battery-Powered Articulating Boom Industrial Truck with Articulating Boom rated at 500 lbs. (227 kg) capacity with a maximum lift height of 45 ft (18.29 m). Suitable for use in Class I, Division 1, Group D, T4 Hazardous (Classified) Locations.

**13. Specific Conditions of Use:**

None

**14. Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

**15. Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

**16. Certificate History**

Details of the supplements to this certificate are described below:

| Date                           | Description  |
|--------------------------------|--|
| 26 <sup>th</sup> February 2020 | Original Issue.  |
| 19 <sup>th</sup> May 2020      | <u>Supplement 1:</u><br>Report Reference: RR223623 dated 19 <sup>th</sup> May 2020.<br>Description of the Change: Revise product descriptions and addition of the Model A60JEX. Addition of A60JEX documentation to project CDL.       |
| 8 <sup>th</sup> December 2020  | <u>Supplement 2:</u><br>Report Reference: RR225790 dated 8 <sup>th</sup> December 2020.<br>Description of the Change: Revise product descriptions and addition of the Model AE45JEX. Addition of AE45JEX documentation to project CDL. |

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