

CERTIFICATE OF CONFORMITY



1. HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS

2. Certificate No:

FM19US0238

3. Equipment:

(Type Reference and Name)

Model A60JEX Type EX Electric-Battery-Powered
Industrial Truck with Articulating Boom
Model A80EX Type EX Electric-Battery-Powered
Industrial Truck with Articulating Boom,
Model A80JEX Type EX Electric-Battery-Powered
Industrial Truck with Articulating Boom,
Model AE45JEX Type EX Electric-Battery-Powered
Industrial Truck with Articulating Boom
Model T46JEX Type EX Electric-Battery-Powered
Industrial Truck with Telescoping Boom

4. Name of Listing Company:

Bailey Specialty Cranes & Aerials LLC

5. Address of Listing Company:

S81 W18561 Gemini Dr, Muskego , Wisconsin 53150,
United States of America

6. The examination and test results are recorded in confidential report number:

PR453580 dated 26th February 2020

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM 3600:2022, FM 3610:2010, FM 3615:2022, ANSI/NFPA 505:2018, UL 583:2018

8. 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.

9. 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.

10. Equipment Ratings:

SEE ANNEX

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

2 December 2024

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

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

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

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F 347 (Jul 24)



SCHEDULE

US Certificate of Conformity No: FM19US0238

11. The marking of the equipment shall include:

SEE ANNEX

12. Description of Equipment:

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 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 A80JEX 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 A80JEX has a maximum gradeability is 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%.

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%.

Ambient Temperature Rating -

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, A80JEX, A60JEX, T46JEX and AE45JEX Type EX battery Powered Industrial Trucks are powered by 48Vdc.

Truck Models:

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SEE ANNEX

Truck Models:

SEE ANNEX

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 February 2020	Original Issue.
19 May 2020	<u>Supplement 1:</u> Report Reference: RR223623 dated 19 th May 2020. Description of the Change: Revise product descriptions and addition of the Model A60JEX. Addition of A60JEX documentation to project CDL.
8 December 2020	<u>Supplement 2:</u> Report Reference: RR225790 dated 8 th December 2020. Description of the Change: Revise product descriptions and addition of the Model AE45JEX. Addition of AE45JEX documentation to project CDL.
25 July 2023	<u>Supplement 3:</u> Report Reference: RR237474 dated 25 th July 2023. Description of the Change(s): Update Certificate, Listing and drawings for A80JEX.
2 December 2024	<u>Supplement 4:</u> Report Reference: PR470022 dated 2 December 2024. Description of the Change(s): Adding alternate control enclosure for A60JEX and A80JEX Truck and updating CDL.

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F 347 (Jul 24)



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ANNEX

Model A60JEX

Equipment Ratings:

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%.

Markings:

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

Specific Conditions of Use:

None

Model A80EX

Equipment Ratings:

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%.

Markings:

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

Model A80JEX

Equipment Ratings:

The Model A80JEX 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 A80JEX has a maximum gradeability is 30%.

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Markings:

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

Specific Conditions of Use:

None

Model AE45JEX

Equipment Ratings:

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.

Markings:

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

Model T46JEX

Equipment Ratings:

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%.

Markings:

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

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