INCH-POUND
A-A-58086B
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SUPERSEDING
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COMMERCIAL ITEM DESCRIPTION

TRUCK, LIFT, FORK, ELECTRIC, SIT-DOWN, SOLID TIRES 3,000 POUND CAPACITY AT 24 INCH LOAD CENTER, 185 INCH MINIMUM LIFT

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all federal agencies.

1. SCOPE.

1.1 Scope. This CID covers the general requirements for an electrical, industrial type, forklift. It is capable of handling cargo in and around warehouses, loading platforms and docks; on paved or other hard surfaces.

2. SALIENT CHARACTERISTICS.

2.1 Safety. The operator driven forklift shall be capable of operation within the accuracies, limits, and specifications herein. The forklift shall comply with ANSI/ITSDF B56.1, OSHA standards, and UL 583, Type E, and all other applicable standards in effect at the time of manufacture. A commercial fire extinguisher mounted in an easily accessible location by the operator shall be provided. The fire extinguisher shall be a minimum 2-1/2 pound capacity ABC type, or equivalent and shall be UL299 listed and UL711 tested. A seatbelt conforming to SAE J386, and restraint devices designed to ensure the operator's upper body remains entirely within the protection of the overhead guard in the event of tip-over, shall be provided. Unless otherwise specified (see 7.3), the final color shall be yellow for safe operation in an indoor environment.

Comments, suggestions, or questions on this document should be addressed to AFLCMC/WNZEB, 235 Byron St, Suite 19A, Warner Robins AFB GA 31098-1813. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at https://assist.dla.mil .

AMSC N/A FSC 3930

2.2 Environmental requirements. The forklift shall be capable of continuous operation as specified herein at any ambient temperature from 0 degrees F to 120 degrees F. The forklift with Type C winterization shall be capable of operating in temperatures ranging from -25 degrees F to +120 degrees F.

2.3 Maintainability. All maintenance and serving functions shall be capable of being performed using common hand tools (see 6.4.1).

2.4 Lubrication. Lubrication means shall be provided for all moving parts that require periodic lubrication. Grease lubrication fittings shall conform to SAE J534.

2.5 Fluid level indicator. All fluid level indicators shall be located where they are accessible without danger of injury to the operator. The indicators shall be in an open area, or covered by a hinged panel that can be opened and closed without the need for tools.

2.6 Hydraulic system. A pressure relief protection device is required along with pump(s), cylinders, control valves, filter(s), reservoir, hoses, and all other components necessary to make a complete hydraulic system(s).

2.7 Electric motors. Motors shall be industrial type. The insulation for motors shall be Class B, F, or H as defined in NEMA standards.

2.8 Battery and charger. The battery shall be 24, 36, or 48 volts. The battery shall have adequate capacity to provide not less than 8.0 hours of continuous operation under normal industrial use. The battery mounted half connector shall be equipped with “SB” locking half connectors. When specified (see 6.3), the forklift shall be shipped with an additional battery and/or battery charger. The additional battery shall be the same battery supplied with the forklift. The battery charger shall compatible with the battery(ies) supplied and shall be able to fully charge a completely depleted battery over an 8 hour period.

2.9 Forks. The fork and fork carrier shall conform to ANSI/ITSDF B56.1. Fork dimensions shall be 2.0 inches maximum thickness, 4.5 inches maximum width, and 42.0 (+/- 0.5) inches in length. Fork thickness shall not exceed 0.5 inch at the tip, and there shall be a taper on the underside of the forks not less than 14 inches long.

2.10 Fork positioner. The forks shall be capable of being laterally positioned manually without the need of tools. With the forks at their widest spacing, they shall spread at least 28 inches, measured from the outside of the forks. With the forks at their narrowest spacing, they shall measure no more than 12 inches from outside to outside of the forks.

2.11 Side shift. The forklift shall be equipped with a powered fork side shift that is operated by the seated operator. It shall side shift the forks handling the rated load (see 2.30) not less than 4 inches or 100 mm each from side center (8 inches or 200 mm total travel).

2.12 Load backrest. A metal backrest, or backrest with extension, shall be provided. There shall be no protruding bolts or appendages beyond the side plane of the load backrest. The load backrest, in conjunction with fork and hanger design, shall provide a vertical rear guard at least 47 inches high measured from the load carrying surfaces of the forks.

2.13 Uprights and carriage. With no load on the forks, the seated operator shall be able to see at least one fork tip at all lift heights and fork position.

2.14 Steering. Power steering shall be furnished.

2.15 Service brakes. Service brakes conforming to ANSI/ITSDF B56.1 shall be furnished.

2.16 Parking brake. Parking brakes conforming to ANSI/ITSDF B56.1 shall be furnished.

2.17 Seat. The forklift shall be equipped with a cushioned seat in accordance with SAE J899.

2.18 Operator's overheard guard. The guard shall be in accordance with ANSI/ITSDF B56.1, including the falling-object-protective-structure (FOPS) requirements. Overhead guard height from the ground to the top of the overhead guard shall be not more than 84.0 inches.

2.18.1 Cab. When specified (see 7.3), a cab shall be furnished. It shall have FOPS capability per ANSI/ITSDF B56.1, and shall have two opening doors, and at least one fan for ventilation. There shall be sufficient window area to permit at least 250 degrees of horizontal visibility by the seated operator. The height from the ground to the top of the cab shall not be more than 84 inches. There shall be at least three wipers: one on the front windshield, one on the rear window, and one on the roof window.

2.18.1.1 Winterization C. When specified (see 7.3), the forklift shall be equipped with a cab and shall protect to -25 degrees F. A cab heater and cab defroster shall be provided with the capacity to maintain a minimum temperature of +40 ^{o}F at cab floor level in an ambient temperature of -25 ^{o}F. If necessary, the cab shall contain thermal insulation to meet the heating requirements.

2.19 Horn. The manufacturer's standard commercial horn shall be furnished, with the horn actuator located in the center of the steering wheel and within reach of the operator.

2.20 Controls and instrumentation markings. All controls and instrumentation shall be provided with position markings conforming to ANSI/ITSDF B56.11.3. All load motion controls shall be self-centering, that is, they shall return to the neutral position when released.

2.21 Indicators. The forklift shall be equipped with a battery discharge indicator and an hour-meter, both visible to the seated operator. All other indicators normally provided on the manufacturer's standard commercial forklift shall be provided.

2.22 Taillight. One combination stoplight and taillight shall be installed on the rear of the forklift.

2.23 External Lights. There shall be at least two sealed beam, 25 Watts minimum, floodlights. One shall be facing forward, mounted on the upright or overhead guard, and one mounted in the rear, facing rearward.

2.24 Towing. A pin type towing device shall be recessed in the center rear of the forklift. The pin shall be capable of sustaining a rearward, horizontal force of at least three times the gross vehicle weight (GVW) of the forklift.

2.25 Electromagnetic interference (EMI) suppression. The forklift shall comply with the EMI requirements shown in Table I.

Table I. Electromagnetic Interference (EMI)

Name	**Description**	Parameters
SAE J551-1	Compatibility	N/A
CISPR 12 & CISPR 25	Emissions	(Frequency Range: 30 to 1000 MHz)
MIL-STD-461 RS101 AND RS103	Susceptibility	(Frequency Range: 100 kHz to 18 GHz) 20 V/m (100 kHz to 200 MHz) 50 V/m (above 200 MHz)

2.26 Painting. The forklift shall be primed and painted using standard commercial practices. The final color shall be color "yellow." When specified (see 7.3), the final color shall be 24052 of FED-STD-595, commonly called "forest green." All stenciled words, symbols, or other markings (for example "3,000 POUND CAPACITY" or "LIFT HERE"), shall be black.

2.27 Walkway coating. Floor plates and step surfaces shall be coated with a non-slip coating compound or be furnished with a non-slip metal surface in accordance with ANSI/ITSDF B56.1.

2.28 Tie-down provisions. Tie-down devices shall be furnished that withstand the following loads: 3.0 times the unloaded forklift weight in the forward and aft directions, 2.0 times the unloaded forklift weight in the downward direction, and 1.5 times the unloaded forklift weight in both lateral directions. Each device shall withstand at least 1.5 times the loads in the previous sentence without breaking or rupturing. The devices shall be not more than 1.0 inch thick, and the opening in the device shall be at least 3.0 inches in diameter. The word "TIEDOWN" shall be stenciled near each tie-down device. If possible, the tie-down devices may also be used as the slinging devices.

2.29 Informational aids. All stencils, decals, plates, or other similar items that are provided on the manufacturer's standard product shall be included on the forklift. This shall include, but not be limited to: rated capacity, all cautions and warnings, and all references to safety related items.

2.30 Performance. The forklift shall be capable of meeting the following performance requirements:

(1) Rated load. Capability to safely handle the rated load, defined as a 3,000 pound, 48 inch-per-

side cube, with the center of gravity at the center of the cube. This cube shall be defined, and referred to in this document, as the rated load. The forklift shall be able to safely handle this rated load at all lift heights and fork side shift distances that it is capable of attaining.

(2) Lifting speed: At least 27 feet per minute with rated load on the forks.

(3) Lowering speed: With rated load on forks, not more than 80 feet per minute. With unloaded forks, not less than 30 feet per minute.

(4) Service brake. With rated load, the forklift shall be capable of meeting the stopping distance requirements of ANSI/ITSDF B56.1.

(5) Parking brake. The brake shall be capable of holding the forklift with rated load on a 15 percent grade in both forward and reverse directions.

(6) Right angle turn. The forklift, carrying rated capacity load, shall be capable of backing through a turn in either direction between two parallel walls not more than 135 inches apart.

(7) Travel speed. The forklift shall be capable of traveling at least six miles per hour, in both forward and reverse directions, while carrying rated load on the forks.

(8) Slope ascension. With the truck facing up the slope and with rated load on the forks, the forklift shall be able to accelerate up a 15 percent (8.5 degrees) slope at no less than 1 mph from a dead stop.

(9) Upright tilt. With no load on the forklift, the upright (or mast) shall have at least 5.0 degrees forward tilt, and at least 5.0 degrees of rear tilt. Positive means shall be furnished to prevent cavitation of the tilt cylinders.

(10) Collapsed mast height. The lowest upright height shall be 84.0 inches maximum with no load on the forks.

(11) Maximum fork lift height. With the rated load on forks and forks horizontal, the forks shall be capable of raising at least 185 inches. This shall be measured from ground to the horizontal, lifting surfaces of the forks.

(12) Free lift height. With the rated load on forks, and with the inner mast or carriage assembly just beginning to exceed the specified collapsed mast height, the distance from the ground to the top surfaces of the forks shall be not less than 35.0 inches.

(13) Drift of load. With the hydraulic fluid at normal operating temperature, the lift assembly shall hold the rated load at the maximum lift height for at least 10.0 minutes with not more than one inch of vertical drift, and not more than one degree of rotational drift.

(14) Stability. The forklift shall meet the ANSI/ITSDF B56.1 “forward stacking”, “forward travel”, “lateral stacking”, and “lateral travel” stability requirements.

(15) Tire loading. Under all fork loading conditions, from the empty forks up to the rated load, the weight on any tire shall not exceed the maximum allowed by the Tire and Rim Association Yearbook.

2.31 Identification Plate. A corrosion resistant identification plate shall be permanently installed at an easily accessible location. It shall contain the following information:

NOMENCLATURE:
MANUFACTURER’S NAME:
MANUFACTURER’S ADDRESS:
MANUFACTURER’S SERVICE TELEPHONE NUMBER:
MANUFACTURER’S MODEL NUMBER:
MANUFACTURER’S SERIAL NUMBER:
DATE OF MANUFACTURE:
CONTRACT NUMBER:
NATIONAL STOCK NUMBER:
REGISTRATION NUMBER:

2.32 Electrical system. All components necessary to make a complete electrical system shall be furnished.

2.33 Backup alarm. An audible backup alarm in accordance with SAE J994 shall be furnished. The alarm shall activate when the transmission is placed in reverse.

2.34 Tropical rust-proofing. When specified (see 6.3), tropical rust-proofing shall be provided. This shall be considered a premium rust-proofing package consisting of an additional coating. The forklift shall be treated with a corrosion preventative compound complying with A-A-59295. A copy of A-A-59295 can be requested from AFLCMC/WNZEB. At a minimum, these areas shall be coated: (1) Cab, interior (2) Cab, exterior (3) Seams (4) Welds (5) Hidden recessed areas (6) Locations where dissimilar metals come in contact (7) Area above fuel tank(s) (8) Engine oil pan & transmission oil pan (9) Radiator support structure and (10) Battery box.

2.35 Highway transportability. The forklift shall be capable of being transported on a semi-trailer in all states.

3. REGULATORY REQUIREMENTS

3.1 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs. The offeror/contractor is encouraged to use recovered materials to the

maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR). However, used, rebuilt, or remanufactured components, pieces, and parts shall not be incorporated in the forklift.

3.2 Green Procurement Program. Green Procurement Program (GPP) is a mandatory federal acquisition program that focuses on the purchase and use of environmentally preferable products and services. GPP requirements apply to all acquisitions using appropriated funds, including services and new requirements. FAR 23.404(b) applies and states the GPP requires 100% of EPA designated product purchase that are included in the Comprehensive Procurement Guidelines list that contains recovered materials, unless the item cannot be acquired: a) competitively within a reasonable timeframe; b) meet appropriate performance standards, or c) subcontractors comply with this requirement.

4. PRODUCT CONFORMANCE PROVISIONS

The products provided shall meet the salient characteristics of this Commercial Item Description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial marketplace, modified as necessary to comply with the requirements herein. The Government reserves the right to require proof of such conformance.

4.1 Classification of inspections. The inspection requirements specified herein are classified as follows:

a. First production inspection (see 4.2).

b. Conformance inspection (see 4.3).

4.2 First production inspection. The first production forklifts shall be subjected to the analyses, demonstrations, examinations, and tests described in 4.5.1 through 4.5.13. The contractor shall provide or arrange for all test equipment and facilities. Except as otherwise specified, all testing in which the engine is operated shall be performed using JP-8 turbine fuel.

4.3 Conformance inspection. Each production forklift shall be subjected to the examination described in 4.5.1.

4.4 Inspection requirements.

4.4.1 General inspection requirements. Apparatus used in conjunction with the inspections specified herein shall be laboratory precision type, calibrated at proper intervals to ensure laboratory accuracy.

4.4.2 Data. During all testing specified herein, at least the following data, unless not applicable, shall be recorded at intervals not to exceed 30 minutes. Additional data or shorter intervals shall be provided as appropriate for any specific test.

a. Date.

b. Time started.

c. Time finished.

d. Ambient temperature.

e. Ambient humidity.

4.4.3 Test rejection criteria. Throughout all tests specified herein, the forklift shall be closely observed for the following conditions, which shall be cause for rejection.

a. Failure to conform to design or performance requirements specified herein or in the contractor's technical proposal.

b. Any spillage or leakage of any liquid, including fuel, coolant, lubricant, or hydraulic fluid, under any condition, except as allowed herein.

c. Structural failure of any component, including permanent deformation, or evidence of impending failure.

d. Evidence of excessive wear. If excessive wear is suspected, the original equipment manufacturer's (OEM's) specifications or tolerances shall be utilized for making a determination.

e. Evidence of corrosion or deterioration.

f. Misalignment of components.

g. Conditions that present a safety hazard to personnel during operation, servicing, or maintenance.

h. Interference between the forklift components or between the forklift, the ground, and all required obstacles, with the exception of normal contact by the tires.

i. Evidence of undesirable mobility characteristics, including instability in handling during cornering, braking, and while traversing all required terrain.

j. Shutdown faults from:

(1) Engine cooling system.

(2) Engine lubrication system.

(3) Engine protective circuits.

4.5 Test methods.

4.5.1 Examination of product. Each forklift shall be examined to verify compliance with the requirements herein prior to accomplishing any other demonstrations or tests listed in 4.5. A contractor-generated, Government-approved checklist (part of the test procedure) shall be used to identify each requirement not verified by an analysis, certification, demonstration, or test, and shall be used to document the examination results. Particular attention shall be given to materials, workmanship, dimensions, surface finishes, protective coatings and sealants and their application, welding, fastening, and markings. Proper operation of each forklift function shall be verified. Certifications and analyses shall be provided in accordance with Table II. Each production forklift shall be inspected to a Government-approved reduced version of the checklist.

TABLE II. Certifications and analyses.

Paragraph	Required Certifications and Analyses
2.1 Safety.	Contractor certification that the forklift complies with all requirements in accordance with ANSI/ITSDF B56.1, UL 558 Type DS, and OSHA standards in effect at time of manufacture.
2.2 Environmental requirements.	Contractor certification that the forklift can be stored and operated in temperatures up to 120 ^{o}F.
2.28 Tie downs.	Contractor tie down provision analysis (see 4.5.10.1).
2.15 Service brakes.	Contractor certification that the forklift complies with the service brake requirement of ANSI/ITSDF B56.1.
2.16 Parking brakes.	Contractor certification that the forklift complies with the parking brake requirement of ANSI/ITSDF B56.1.
2.17 Seat.	Contractor certification that the forklift seat complies with SAE J899
2.18 Operator's overhead guard.	Contractor certification that the overhead guard is in accordance with ANSI/ITSDF B56.1. Contractor engineering analysis demonstrating the FOPS is in accordance with ANSI/ITSDF B56.1.
2.24 Towing.	Contractor engineering analysis demonstrating compliance with the towing requirement of 2.24 (see 4.5.9).

Paragraph	Required Certifications and Analyses
2.30 (15) Tire loading.	Contractor certification that under all fork loading conditions, none of the tires will be loaded to a weight beyond the maximum allowed in the Tire and Rim Association Yearbook.
2.35 Highway transportability.	Contractor highway transportability analysis (see 4.5.13) and certification that the forklift is transportable via highway in accordance with MIL-STD-810, Method 514.6, Table 514.6C-II, and shall be capable of withstanding the mechanical shock and vibration characteristics of highway transport.

4.5.2 Low temperature storage and operation test. A first production forklift shall be tested in accordance with MIL-STD-810, Method 502.5, Procedures I and II, to demonstrate compliance with the low temperature storage and operating requirements of 2.2 and 2.18.1.1 and engine starting requirement of 2.2. Test duration shall be one 24-hour cycle for each procedure beginning no less than two hours after test item temperature stabilization.

4.5.3 Maintainability demonstration. All recommended preventive maintenance tasks shall be performed by personnel wearing arctic mittens and the task times shall be recorded.

4.5.4 Dimension measurement. A first production forklift shall be measured to demonstrate compliance with the dimensional requirements of 2.9, 2.12, 2.18, and 2.30 (10).

4.5.5 Fork positioner mechanism. With no load on the forks, the forks shall be adjusted from their most closed position to most open position and then returned to most closed. The fork spacing shall be measured at the most open and closed positions to demonstrate compliance with 2.10. This shall be considered one cycle. This process shall be repeated until 100 cycles have been completed.

4.5.6 Fork side shifting mechanism. The forks shall be side shifted with the rated load on the forks from extreme left to extreme right position and back to extreme left 50 times. The forklift shall be capable of side shifting at least 6.0 inches off center, in both directions, throughout the fork spread specified in 2.11.

4.5.7 Electromagnetic interference test. A first production forklift shall be tested in accordance with the standards in Table I to demonstrate compliance with 2.25.

4.5.8 FOPS analysis. An engineering analysis shall be performed on the operator's overhead FOPS to demonstrate compliance with the FOPS requirements of ANSI/ITSDF B56.1 (see 2.18).

4.5.9 Towing analysis. An engineering analysis shall be performed to demonstrate the towing pin can sustain the loads of 2.24.

4.5.10 Tie down provision verification.

4.5.10.1 Tie down provision analysis. An engineering analysis shall be performed to demonstrate compliance with the tie down provision requirements of 2.28.

4.5.10.2 Tie down provision test. A first production forklift shall be tested to demonstrate compliance with the tie down provision requirements of 2.28.

4.5.11 Functional tests.

4.5.11.1 Rated load. The rated load shall be weighed be measured to demonstrate compliance with 2.30 (1).

4.5.11.2 Lifting and lowering speeds. The rated load shall be raised and lowered to demonstrate compliance with the lifting and lowering speed requirements of 2.30 (2) and (3).

4.5.11.3 Parking brake. With the front of the forklift in both the ascending and descending directions, it shall be demonstrated that the forklift meets the parking brake requirements of 2.30 (5).

4.5.11.4 Right angle turn. The forklift shall be tested with the rated load to demonstrate compliance with 2.30 (6).

4.5.11.5 Travel speed. The forklift shall be operated with the rated load on a level surface at maximum speed in both the forward and reverse directions to demonstrate compliance with 2.30 (7).

4.5.11.6 Slope ascension. A 15% slope shall be traversed at a speed of at least 1 mph both uphill and downhill with the rated load. While on the slope, the forklift shall be stopped and then accelerated up the hill to a speed of at least 1 mph to demonstrate compliance with 2.30 (8).

4.5.11.7 Upright tilt. On a level surface, the forks shall be raised to the maximum lift angle, and the forks shall be tilted fully forward. The tilt angle shall be measured to verify compliance with 2.30 (9). The forks shall be lowered to the carry position (see 6.4.2) and the forks shall be tilted to the full rearward position. The tilt angle shall be measured to verify compliance with 2.30 (9).

4.5.11.8 Maximum lift height. With the rated load on the forks and with the forks level, the forks shall be raised to their maximum lift height. The distance shall be measured from the ground to the top surface of one fork to determine the maximum lift height and verify compliance with 2.30 (11).

4.5.11.9 Free lift height. With the rated load on forks, and with the inner mast or carriage assembly just beginning to exceed the specified collapsed mast height, the distance from the ground to the top surfaces of the forks shall be measured for compliance with 2.30 (12).

4.5.11.10 Drift of load. The forks with the rated load shall be raised to the maximum lift height, with the hydraulic fluid at normal operating temperature. The forks shall be placed in the horizontal position. The distance from the ground to the top surface of one fork shall be measured. The forklift shall be allowed to sit for at least 10 minutes. After 10 minutes, the same distance to the same point on fork shall be re-measured for compliance with 2.30 (13).

4.5.11.11 Stability. The following stability tests shall be conducted in accordance with ANSI/ITSDF B56.1-1969 to verify compliance with 2.30 (14): forward stacking, forward travel, lateral stacking, and lateral travel.

4.5.12 Salt fog test. A first production forklift shall be tested in accordance with MIL-STD-810, Method 509.5, to demonstrate the integrity of the tropical rustproofing requirement of 2.34. Test duration shall be alternating 24-hour periods of salt fog exposure and drying conditions for 24-hour periods (two wet and two dry).

4.5.13 Highway transportability analysis. An engineering analysis shall be performed to demonstrate compliance with 2.35. The engineering analysis shall utilize the data for road transportation in accordance with MIL-STD-810, Method 514.6, Table 514.6C-II.

5. PACKAGING

5.1 Packaging. Preservation, packing, and marking shall be as specified in the contract or order.

6. NOTES

6.1 Intended use. The forklift is intended for use in handling cargo in and around warehouses, loading platforms, and docks; on paved or other hard surfaces

6.2 Source of documents.

6.2.1 Military Specifications, Standards, and Handbooks referenced herein may be obtained online at https://assist.dla.mil/ or from the Standardization Document Order Desk, Building 4, Section D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

6.2.2 Comité International Spécial des Perturbations Radioélectriques (CISPR) document may be obtained online at http://www.iec.ch/index.htm.

6.2.3 Industrial Truck Standards Development Foundation (ITSDF) Standards may be obtained from www.itsdf.org or the Industrial Truck Standards Development Foundation Suite 460, 1750 K Street NW, Washington, DC 20006.

6.2.4 Occupational Safety and Health Association (OSHA) copies may be obtained online at http://www.osha.gov/ or from OSHA, 200 Constitution Ave., Washington, D.C. 20210.

6.2.5 The Society of Automotive Engineers (SAE) documents may be obtained online at http://www.sae.org/ or from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

6.2.6 Underwriters Laboratories (UL) copies may be obtained online at http://ulstandardsinfonet.ul.com or from: COMM 2000, 1414 Brook Drive, Downers Grove, IL 60515-5000.

6.2.7 The Tire and Rim Association, Inc. (T&RA) Copies of T&RA standards may be obtained from http://www.us-tra.org/ or from the Tire and Rim Association, 3200 West Market Street, Akron, OH 44313.

6.2.8 FAR and DFARS may be obtained from the Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Electronic copies of the FAR may be obtained from https://www.acquisition.gov/far/ . Electronic copies of the DFARS may be obtained from http://www.acq.osd.mil/dpap/dars/dfars/index.htm .

6.2.9 ANSI/EIA standards may be obtained at http://www.ansi.org or http://www.eia.org or available from the Electronics Industry Association, Engineering Department, 2001 Pennsylvania Ave., N.W., Washington, D.C., 20006. Phone: 1-800-854-7179 (USA and Canada).

6.2.10 National Electrical Manufacturers Association (NEMA) standards may be obtained from National Electrical Manufacturers Association, 1300 North 17th Street, Suite 1752, Rosslyn, Virginia 22209. Electronic copies of NEMA standards may be obtained from http://www.nema.org/stds/ .

6.3. Ordering data. When specified, the following shall be furnished:

a. Title, number, and date of this CID

b. Additional battery (see 2.8).

c. Battery charger (see 2.8).

d. Cab (see 2.18.1).

e. Winterization (see 2.18.1.1).

f. Final color (see 2.26).

g. Tropical rustproofing (see 2.34).

h. First production inspection (see 4.2).

i. Packaging requirements (see 5.1).

6.4 Definitions.

6.4.1 Common hand tool. A non-powered tool that is likely to be found in a typical mechanic's toolbox. Common hand tools include open end, boxed end, combination, socket (both 6- and 12-point in both standard and deep-well), and hex key wrenches, in SAE sizes up to and including 1-inch and metric sizes up to and including 25-mm; ratchet handles, extensions, and swivels; slotted and Phillips-head screwdrivers; regular and snap-ring pliers; and a ball-peen hammer.

6.4.2 Carry position. The carry position is defined as the forks at maximum rear tilt and heel of forks 24 inches above the ground.

6.5 Key Words.

Cargo
Loading platforms
Paved surfaces

MILITARY INTERESTS:

Civil Agency and
Coordinating Activity:
GSA-FAS

Preparing Activity:
Air Force – 84

Custodians
Army – AT
Navy – SA
Air Force- 84

Reviewers
Air Force- 99

Agent:
Air Force – 99

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