

INCH-POUND

A-A-59913

18 September 2012

## COMMERCIAL ITEM DESCRIPTION

## VIBRATORY PLATE COMPACTOR (VPC)

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. **SCOPE.** This commercial item description covers a Vibratory Plate Compactor (VPC). The VPC is a walk behind unit used for compaction of soil and asphalt in building or repairing roads, airfields, parking areas and other infrastructure applications within a theatre of operations.

2. **SALIENT CHARACTERISTICS.** The VPC is a hand guided and controlled reversible vibrator plate compactor capable of use as a general purpose trench, curb, and backfill compactor and can be used to patch asphalt. The VPC provides compaction in areas inaccessible to larger equipment or for compaction of smaller areas such as for repair or potholes. The VPC will be used to compact both soil and asphalt. A standard professional commercial product (construction equipment) is defined as a product which has been sold or is being currently offered for sale on the commercial market to the public market and represents the latest production model.

2.1 **Safety.** The VPC shall be operable by one person without causing injury to the soldier.

2.2 **Performance.** The VPC shall be furnished with an engine able to provide continuous, uninterrupted power sufficient to operate the VPC when at its maximum capacity. The engine provided shall have the capability to operate with JP-8 (MIL-DTL-83133) and DF-2.

2.2.1 **Compact rate.** The VPC shall have the capability to compact a minimum of 6300 square feet area in one (1) hour.

2.2.2 **Terrain.** The VPC shall have the capability to compact asphalt and soil.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to U.S. Army RDECOM, Tank Automotive Research, Development and Engineering Center, ATTN: RDTA-EN/STND/TRANS MS #268, 6501 E. 11 Mile Road, Warren, MI 48397-5000 or sent by email to [usarmy.detroit.rdecom.mbx.tardec-standardization@mail.mil](mailto:usarmy.detroit.rdecom.mbx.tardec-standardization@mail.mil). 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>.

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2.2.3 Water tank. The VPC shall have a minimum of a 6 quart capacity water tank.

2.3 Survivability. The user accepts the survivability of the VPC as it is a COTS item.

2.4 Climate conditions. The VPC shall operate in all weather conditions, and in all temperatures from a minimum of 32 degrees F to hot climate conditions of 120 degree F.

2.5 Transportability. The VPC shall have tie downs provisions conforming to MIL-STD-209. The VPC shall have slinging provisions conforming to MIL-STD-913.

2.6 Paint. The VPC shall be painted in accordance with MIL-DTL-53072.

2.7 Reliability/maintainability. The user accepts the Reliability and Maintainability (R&M) inherent in the commercial version of the TPR and will be considered the threshold. Any modifications that improve the R&M of the commercial version will be incorporated into future Army acquisitions as the OEM improves the system to achieve their own improved R&M goals.

2.8 Tools and accessories. The VPC shall be furnished with technical publications including operator and maintenance manuals.

2.8.1 Wheeled transport device. The VPC shall be equipped with a wheeled platform to facilitative a one person transport operation from the transport vehicle to the compaction location.

2.8.2 RPM meter. A RPM meter shall be included to aid in diagnostic and repair of the VPC.

### 3. REGULATORY REQUIREMENTS.

3.1 Recovered material. 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).

### 4. PRODUCT CONFORMANCE PROVISIONS

4.1 Product conformance. The products provided shall meet the salient characteristics in section 2 of this CID. The VPC shall meet the same product conformance levels as do like VPCs offered for sale in the commercial market, thus conforming to all of the producer's own drawings, specifications, standards, and quality assurance practices. The government reserves the right to require proof of such conformance as provided for in the provisions of the solicitation or contract/purchase order. The Procuring Agency shall specify the testing requirements.

4.2 Market acceptability. All VPC's provided in accordance with this CID shall be of the manufacturer's current commercial production model equipped with all components furnished as standard equipment and features customarily furnished with VPCs of this type, whether stipulated herein or not. The VPC shall be able to compact both soil and asphalt in building or

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repairing roads, airfields, parking areas and other infrastructure applications within a theatre of operations as specified by the performance requirements stated in this CID. The VPC model/design level offered shall be one that has been commercially available and has been used for at least one year by professional organizations.

5. PACKAGING. Preservation, packaging, packing, labeling, and marking for the desired level shall be as specified in the contract.

## 6. NOTES

(This section contains information of a general or explanatory nature that may be helpful but is not mandatory.)

6.1 Intended use. During U.S. Army operations, Technical Engineer Teams shall employ the VPC for use of compaction of soil and asphalt in building or repairing roads, airfields, parking areas and other infrastructure applications within a theatre of operations. The VPC provides compaction in areas inaccessible to larger equipment or for compaction or smaller areas such as for repair or potholes.

6.2 Source of documents.

6.2.1 Government specifications, standards, and CIDs. Government specifications, standards, and CIDs can be obtained from <https://assist.dla.mil/quicksearch/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.

6.2.2 Federal acquisition regulation. Copies of the FAR are available from <http://www.acquisition.gov/far/>.

## MILITARY INTERESTS:

## Custodians:

Army - AT

## Review Activities:

Army – AV, MI

DLA – IS

## CIVIL AGENCY COORDINATING ACTIVITY:

GSA-FAS

## Preparing Activity:

Army – AT

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NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.