
* METRIC *

A-A-50476B

January 21, 1994

SUPERSEDING

A-A-50476A

October 24, 1989

COMMERCIAL ITEM DESCRIPTION

POLISHER, FLOOR, ELECTRIC, CONCENTRATED WEIGHT TWO-BRUSH (COMMERCIAL TYPE)

This Commercial Item Description (CID) is approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

Abstract. This CID covers commercial type electric floor polishers that are used for heavy-duty wet or dry scrubbing, for polishing and buffing wood, tile or linoleum cov

Salient characteristics.

1. Description. The polisher shall include all components necessary to ensure a fully funct the polisher shall rest directly on two brushes during operation. Speed shall not exceed 325
2. Design and construction. The dimensions for the polisher shall be as specified in table I. All dimensions are given in metric units; tolerances shall be +/-3 percent. The weight of the polisher in table I shall include any removeable wei
3. Frame. The frame enclosing the operating mechanism shall be durably constructed and reinforced to withstand rigorous heavy-duty service.
4. Operating handle. The adjustable operating handle shall include a metal handle tube and a metal handle bar with nonmetallic handgrips.

*Beneficial comments (recommendations, additions, deletions) and any * *pertinent data

23rd Avenue, Port Hueneme, CA 93043-4301. *

FSC 7910

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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5. Brushes. Each polisher shall be furnished with one set of brushes for polishing and one set for scrubbing. Brushes shall be circular and in one piece. The diameter of the brushes shall conform to table I. The machine shall be so constructed

Table I. Class B machines, polishing and scrubbing, electric, concentrated weight, two-brush.

	Overall	Total	Continuous	Weight of	Wheel	
	diameter	polishing	rating of	machine	diameter	
	of brush	brush	motor	complete	(minimum)	
	fiber	fiber area		with two		
	(minimum)	(minimum)		brushes		

	mm	mm ²	watts	kg	mm	
1	180	45 000	375	27 to 48	76	
2	250	87 000	560	52 to 80	90	

6. Polishing brushes. The sectional polishing brushes shall have a thickness of not less than 3 mm. A reusable metal plate securely attached to it. Polishing brush tufts shall be made of approximately 60 percent tampico and 40 percent well-mixed palmyra fiber. The tufts shall have a free length of not less than 38 mm when measured at right angle

7. Scrubbing brushes. Scrubbing brushes shall be the same as specified for polishing brushes but may have a heavy metal back and the tufts shall be made of 100 percent palmyra

8. Bumper. A replaceable rubber or vinyl bumper of not less than 20 mm in vertical direction shall be securely attached around the portion of the motor housing and the brush housing. The bumper shall not dent or mark objects with which it comes in contact

9. Wheels. The polisher wheels shall have a running surface of resilient material which will not mark or scratch the floor. Unless otherwise specified, the wheels shall be made of resilient material

10. Wheel mounting. The wheels shall be capable of retracting during operation and the entire wheel assembly shall be capable of being retracted

11. Electrical characteristics. Unless otherwise specified, the polisher shall be designed to operate on a 3-conductor cord of not less than 15 meters shall be provided. Polisher shall have a quick release handle of the machine. The grounding conductor in the cable assembly shall form a continuous conductor path from the point of attachment on the motor housing to the point of attachment on the machine frame

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12. Standards compliance. The polishers shall conform to the floor-finishing machine require this requirement. In lieu of the label or listing, the contractor may submit independent proo UL 561.

Quality assurance provisions.

1. Responsibility for inspection. Unless otherwise specified in the contract, the contractor use his own or any other facilities suitable for the performance of the inspection requirement
2. Classification of inspection. The inspection requirements specified herein are classified
3. First article inspection. The first article inspection shall be performed on one polisher
4. Quality conformance inspection. The quality conformance inspection shall be performed on operational tests as specified herein.
5. Inspection lot. All units of the same class, style, and size offered to the Government at
6. Examination. Each sample selected in accordance with the inspection lot, sampling requirements, and also the first article shall be examined for compliance with the salient characteristics requirements specified herein. This element of in defects preventing or lessening maximum efficiency shall constitute cause for rejection.
7. Operational test. The polisher shall be equipped with a polishing brush or brushes specif contract need be tested for the full 2 hours: all others in the inspection lots shall be oper
 - a. Quietness of operation and freedom from vibration.
 - b. Overheating of motor.
 - c. Lubrication and leakage of lubricant.
 - d. Replacement of brush without the use of special tools.
 - e. Provision for feeding water to the scrubbing brush.

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- f. Uniformity, continuity, size of polishing area and proximity of brush contact up to a vertical surface.
- g. Resistance in ohms from the motor frame to ground connection on the plug end of the 15 meter cord is less than 1 ohm.

Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this CID and that the product conforms to the producer's own drawings, specification first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Inch-pound products. Products manufactured to inch-pound dimensions will be considered on an equal basis with those manufactured using metric units, provided they fall within +/-3 percent of the conversion tables contained in the latest revision.

Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with applicable regulatory requirements.

Preservation, packing and marking. Unless otherwise specified in the contract or order, the product shall be preserved, packed and marked in accordance with ASTM D 3951.

Notes. Acquisition activity should specify the following:

- 1. The electrical characteristics required if other than as specified.
- 2. The wheel size required if other than as specified.
- 3. When the contractor is not responsible for the inspection.
- 4. When a first article inspection and tests are required.
- 5. When preservation, packing and marking are other than as specified.

UL Standards are available from the Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062.

ASTM Standards are available from ASTM, 1916 Race Street, Philadelphia, PA 19103.

MILITARY INTERESTS:

Custodians

Navy - YD1
Air Force - 99

Review Activities

Army - MD
Navy - MC
Air Force - 84

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FSS

PREPARING ACTIVITY:

Navy - YD1

(Project 7910-0087)