

[INCH-POUND]  
A-A-50354B  
March 4, 1996  
(SUPERSEDING)  
A-A-50354A  
June 3, 1988

COMMERCIAL ITEM DESCRIPTION  
COFFEE MAKERS, PERCOLATOR: ELECTRIC

The General Services Administration has authorized the use of this commercial item description as a replacement for type II, sizes 30, 50, or 80 of MIL-C-28515 for all federal agencies.

1. SCOPE. This commercial item description covers automatic, commercial percolator type coffee makers equipped with integral electrical heating elements, and a draw-off faucet. These coffee makers are intended for use in coffee messes, clubs for military personnel, cafeterias, exchanges, large galley messes where larger spray-over and pour-over coffee makers are required, and for stand-by, off-hour service in large mess halls.

2. CLASSIFICATION

2.1 Classification. The coffee makers shall be of the following sizes, as specified (see 7.1)

Size 30 (12 - 35 cup capacity)  
Size 50 (25 - 55 cup capacity)  
Size 80 (40 - 100 cup capacity)

3. SALIENT CHARACTERISTICS.

3.1 Description. The coffee maker shall consist of a body, base, cover, handles, draw-off faucet, coffee basket and stem assembly, heating element or elements, thermostat or thermostats, signal light and supply cord.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commanding Officer (Code 156), Naval Construction Battalion Center, 1000 23rd Avenue, Port Hueneme, CA 93043-4301.

AMSC N/A

FSC-7310

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3.2 Construction Materials. The body of the coffee maker shall be fabricated from aluminum or stainless steel with mechanical properties, formability and finish to suit the intended application. Bases, knobs, handles, and similar parts shall be fabricated from heat resistant molded plastic material in accordance with the manufacturer's standard practice. The covers shall be fabricated of aluminum, stainless steel, heat resistant molded plastic material. The coffee basket and stem assembly shall be fabricated from materials with mechanical properties, durability and functional characteristics to suit the intended application.

3.3 Standards compliance. The coffee maker, including the heating element and markings, shall comply with Underwriters' Laboratories (UL) Standard No. 197, Commercial Electric Cooking Appliance.

3.4 Performance. The capacity of the coffee maker shall be established on the basis of a 5-fluid ounce serving per cup. The coffee maker shall be capable of satisfactorily brewing coffee when operating with a volume of water equal to the number of cups specified in table 1 under minimum capacity. On completion of the brewing cycle and within a 2 minute interval, the temperature of the beverage shall be not less than 170 degrees (deg.) Fahrenheit (F) (77 deg. Centigrade (C) and not more than 205 deg. F (96 deg. C).

TABLE 1. Coffee maker requirements.

Nominal Capacity	Minimum Brew	Maximum Brew	Maximum Brewing Time at Nominal Capacity
30 cups	12 cups	35 cups	29 minutes
50 cups	25 cups	55 cups	38 minutes
80 cups	40 cups	100 cups	60 minutes

3.5 Base. The base shall be constructed to allow filling a cup setting on a 5-7/8 inch (149 millimeters (mm) diameter saucer.

3.6 Draw-off faucet. The coffee maker shall have a self-closing, non-drip,

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draw-off faucet. The draw-off faucet shall have a suitable heat-resistant handle. The height of the draw-off faucet, measured from the tip of the faucet to the surface the coffee maker is resting on, shall not exceed 3-7/8 inches (98 mm).

3.7 Attachment cord. Each coffee maker shall have a flexible attachment cord not less than 2 feet (610 mm) and not more than 6 feet (914 mm) long.

3.8 Sight gage. The 55 and 80-cup coffee maker shall be equipped with a sight gage to indicate the coffee level in the coffee maker.

3.9 Signal light. The coffee maker shall be provided with a signal light to indicate when the coffee has reached serving temperature.

3.10 Electrical requirements. The coffee maker shall be suitable for operation on a nominal 120 volt, alternating current, 60 hertz power supply.

#### 4. REGULATORY REQUIREMENTS.

4.1 Materials. 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) unless otherwise specified herein, all equipment, material, and articles incorporated in the work covered by this description are to be new and fabricated using materials produced from recovered materials to the maximum extent possible without jeopardizing the intended use. The term "recovered materials" means materials which have been collected or recovered from solid waste and reprocessed to become a source of raw materials, as opposed to virgin raw materials. None of the above shall be interpreted to mean that the use of used or rebuilt products are allowed under this description unless otherwise specified.

4.2 Metric products. Products manufactured to metric dimension will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within the tolerances specified using conversion tables contained in the latest revision of ASTM E 380, and all other requirements of this Commercial Item Description including form, fit and function are met. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch/pound units, a request should be made to the contracting officer to determine if the product is acceptable. The contracting officer has the option of accepting or rejecting the product.

#### 5. QUALITY ASSURANCE PROVISIONS.

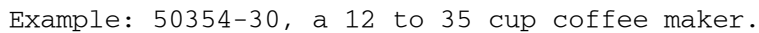
5.1 Contractor certification. The contractor shall certify that the product offered meets the salient characteristics of this description and that the product conforms to the producer's own drawings, specifications, standards,

5.1.1 Underwriter Laboratories Inc. certification. Acceptable evidence of meeting the requirements of UL 197 shall be the UL certification symbol or label, listing in the UL electrical construction materials directory, or a certified test report from a recognized independent testing laboratory indicating the coffee makers have been tested and conform to UL-197.

6.1 Preservation, packaging, packing, and marking. Unless otherwise specified (see 7.3), preservation, packaging, packing and marking for shipment shall be in accordance with ASTM D 3951.

7.1 Intended use. Coffee makers covered by this specification are intended for use in coffee messes, clubs for military personnel, exchanges, large galley messes where larger spray-over and pour-over coffee makers are required and for stand-by off-hour service in large mess halls.

7.2 Part identification number (PIN). The following part identification numbering procedure is for government purposes and does not constitute a requirement for the contractor. The PINs to be used for the items acquired to this description are created as follows:



a) Title, number, and date of this commercial item description.

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- b) Size required (see 2.1).
- c) Specify special packaging requirements (see 6.1).
- d) Contracting officer may request proof of certification of commercial item and UL certification prior to first contract delivery.

#### 7.4 Source of documents.

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

7.4.2 ASTM documents are available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

7.4.3 Copies of specifications and standards required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.

#### 7.5 Suggested Source.

The West Bend Company  
400 Washington Street  
West Bend, WI 53095

#### 7.6 Subject term (key word) listing.

Brewers  
Cafeteria  
Galley  
Mess

#### MILITARY INTERESTS:

##### Custodians

Army - GL  
Navy - YD1  
Air Force - 99

#### PREPARING ACTIVITY:

Navy - YD1

(Project 7310-0877)

#### Review Activities

Army - MD, CE  
Navy - SA, CG, MC  
Air Force - 84  
DLA - GS