

COMMERCIAL ITEM DESCRIPTION

HEATER, ELECTRIC, 1,500 WATTS, 115 VOLTS, AC, WITH FAN

The General Services Administration has authorized the use of this Commercial Item Description (CID) as a replacement for Military Specification MIL-H-52641A(ME) for all federal agencies.

1. **SCOPE.** This CID covers the general requirements for electric heaters that are classified as being 1,500 watts, 115 volts, AC, with fan. Heaters covered in this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system which is included in the Part or Identification Number (PIN) (see section 6).
3. **SALIENT CHARACTERISTICS.**
 - 3.1 **General.** All heaters shall meet the requirements of this CID. All heaters procured commercially shall meet the Underwriters Laboratories (UL) standard 499 as well as the requirements of this CID.
 - 3.2 **Design and Construction.** Heaters supplied under this CID shall the manufacturer's standard commercial product.
 - 3.3 **Environmental Requirements.** The heater shall operate in the "fan" mode in any ambient temperature from plus 110 to minus 50 degrees Fahrenheit, and shall operate in the "heat" mode in any ambient temperature from plus 85 to minus 50 degrees Fahrenheit. The heater shall not be damaged and its operation shall not be impaired by storage at ambient temperatures of plus 155 degrees Fahrenheit for periods up to 4 hours daily and minus 50 degrees Fahrenheit, without solar radiation, for up to 3 consecutive days. The heater shall show no peeling of paint, corrosion, malfunctioning, damage, electrical shorts, or other irregular operation after exposure to ambient humidity at a maximum temperature of 155 degrees Fahrenheit.
 - 3.4 **Size.** The maximum dimensions of this heater shall be 12"x12"x12" with a tolerance of ± 4 " in any one direction.
 - 3.5 **Electromagnetic Interference.** When specified in the contract or order, susceptibility characteristics of the heater shall conform to MIL-STD-461D, Notice 1, Table A-1 of the Appendix.
 - 3.6 **Finish.** The material finish shall be in accordance with the manufacturer's standard practice and in accordance with the requirements of section 6.2.
 - 3.7 **Regulatory Requirements.** The offer or/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).
 - 3.8 **Marking.** Heaters supplied to this CID shall be marked in accordance with the manufacturers standard commercial markings.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: Defense Supply Center Columbus, ATTN: DSCC-VSS, 3990 East Broad Street, Columbus, OH 43216-5000

4. QUALITY ASSURANCE PROVISIONS.

4.1 Product Conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

4.2 Market Acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID.

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 5 years.
- b. The company must have a corporate sales volume over 2 million dollars.
- c. The company must be able to produce over 1000 units annually of a product meeting the requirements of this CID.

5. PACKAGING.

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

6. NOTES.

6.1 (PIN). The following part identification numbering procedure is for government purposes and does not constitute a requirement for the contractor.

This example describes a part numbering system for CID A-A-55542.



DASH NUMBER

DESCRIPTION

001	Heaters that meet EMI requirements of MIL-STD-461D
002	Heaters that meet Underwriters Laboratories Standard UL 499

6.2 Ordering Data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Quality assurance provisions
- c. Packaging requirements
- d. Color of paint for heater finish

6.3 Commercial Products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial/industrial products that would meet the requirements of this CID. (Note: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown).

1. Caframo
42-C Read's Way
New Castle, Delaware 19720
Phone: (800) 567-3556
2. Marley Electrical Heating
202 Hopedale Avenue
Charlotte, NC 28207
Phone: (704) 344-9488
3. So-Pac
30 Barnet Boulevard
New Bedford, MA 02745
Phone: (508) 995-7000
4. Chromalox (formerly Emerson Electric Co.)
Wiegand Industrial Division
701 Alpha Drive
Pittsburgh, PA 15238
Phone: (412) 967-4927
5. Valad Electric Heating Corporation
160 Wildey Street
Tarrytown, NY 10591-2910
Phone: (914) 631-4927

6.4 PIN Properties Data. Table 1 references the manufacturer's PINs, properties, and dash classifications of the reviewed heaters. Manufacturer's Part Number are shown to permit procurement of heaters with specific characteristics.

6.5 Referenced Documents. The following are documents that were referenced in the research and preparation of this CID.

- a. Federal Acquisition Regulation
- b. Military Standard MIL-STD-461D

6.6 Source of Documents.

Federal Standards (FEDSTD) are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA, 19111-5094.

The Federal Acquisition Regulations (FAR) 23.403 may be obtained from the Superintendent of Documents, US Government Printing Office, Washington, DC 20402.

6.7 Government Users. To acquire information on obtaining these heaters from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-VSS, 3990 East Broad Street, Columbus, OH 43216-5000.

Table I. PIN/Properties Data.

COMPANY NAME	VALAD*	CHROMALOX	MARLEY	SO-PAC	CAFRAMO
PN/NSN	P15D/4520-00-177-6198	044-025727-001	MMH1502T	SPA-3128	9200
DIMENSIONS	12.1x12.5x12.1	12.6x11.4x8.1	14.5x9.5x10.5	12x8.4x4.5	5x8x11.3
115 VOLT	X	X	X	X	X
SINGLE PHASE	X	X	X	X	X
1500 WATT	X	X	X	X	X
50-60 HZ	X	X	X	X	X
EMI TESTING	X				
UNDER 40 LBS	X	X	X	X	X
FAN ONLY	X	X	X	X	X
HEAT AND FAN	X	X	X	X	X
TEMP CONTROL DIAL	X		X		X
DASH NUMBER	001	002	002	002	002

*This company has a procurement history under MIL-H-52641A

MILITARY INTERESTS:

Custodians

Army – AV

Preparing activity:

DLA – CC

Review activities:

Army – AR, CE

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