

MIL-H-22594A(SH)  
AMENDMENT-1  
19 September 1980

MILITARY SPECIFICATION  
HEATERS, DUCT TYPE, ELECTRIC

This amendment forms a part of Military Specification  
MIL-H-22594A(SH), dated 15 April 1977.

PAGE 2

2.1, under "SPECIFICATIONS, MILITARY", delete: "MIL-P-15137 - Provisioning Technical Documentation for Repair Parts for Electrical and Mechanical Equipment (Naval Shipboard Use)."

2.1, under "SPECIFICATIONS, MILITARY", add: "MIL-I-45208 - Inspection System Requirements."

PAGE 3

3.2.1.1, item (d): Delete.

Add as new paragraph 3.2.4:

"3.2.4 Recovered materials. Unless otherwise specified herein, all equipment, material, and articles incorporated in the products covered by this specification shall be new and shall be fabricated using materials produced from recovered materials to the maximum extent practicable 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 is allowed under this specification unless otherwise specifically specified."

PAGE 4

3.3.2.3, lines 2 and 3: Delete "for frequencies up to and including 33 Hz".

PAGE 6

3.4, item (d): Delete and substitute:

"(d) Sheath and fins, series 300 corrosion-resisting steel or nickel-copper alloy."

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3.14: Delete.

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4.1.1: Delete and substitute:

"4.1.1 Inspection system. The contractor shall provide and maintain an inspection system acceptable to the Government for supplies and services covered by this specification. The inspection system shall be in accordance with MIL-I-45208."

PAGE 10

4.8.1.1, line 2: Delete and substitute: "determined at ambient temperature and corrected for the conditions specified in 3.3.3. The mean delivered air temperature, at".

PAGE 11

4.8.2.4, item (f): Delete and substitute:

"(f) Repeat steps (d) and (e) until element fails by fusion or 90 WSIA is reached; whichever comes first."

PAGE 12

4.8.6: Delete and substitute:

"4.8.6 Vibration tests (see 4.3). Sizes 21EH, 32EH, and 38EH heaters shall be subjected to ~~type I~~ environmental vibration tests as specified in MIL-STD-167-1. The exploratory vibration test specified in MIL-STD-167-1 shall include frequencies from 34 Hz up to and including 50 Hz at the table amplitude specified therein."

5.1, line 1: Delete "and repair parts".

PAGES 13 and 14

6.1.2 through 6.1.2.1: Delete and substitute:

"6.1.2 Data requirements. When this specification is used in a contract which invokes the provision of the "Requirements for Data" of the Defense Acquisition Regulation (DAR), the data identified below, which are required to be developed by the contractor, as specified on an approved Data Item Description (DD Form 1664), and which are required to be delivered to the Government, should be selected and specified on the approved Contract Data Requirement List (DD Form 1423) and incorporated in the contract. When the provisions of the "Requirements for Data" of the DAR are not invoked in a contract, the data required to be developed by the contractor and required to be delivered to the Government should be selected from the list below and specified in the contract."

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<u>"Paragraph</u>	<u>Data requirements</u>	<u>Applicable DID</u>	<u>Option</u>
3.3.1.2	Reliability program plan	DI-R-2113	-----
3.15.1	System safety check list	UDI-H-26378	-----
3.15.2	Drawings, engineering and associated lists	DI-E-7031	Level 2 Design activity designation - contractor Design activity drawing nos. - contractor
	Imaged aperture/tabulating card	DI-E-20477	Microfilming of drawings on aperture cards - type I, class 1 or type II, class 2 delivered to: NAVSEA (5311) NAVSEA Publication and Engineering Drawing Support Office (05L33) Building 157, Washington Navy Yard, Washington, DC 20390
3.15.3	Manual, technical, standard	DI-M-2044	Type I of MIL-M-15071
4.10	First article inspection report	DI-T-4902	-----
4.10	Reports, test	UDI-T-23729	-----
4.10	Report, vibration testing	UDI-T-23762	-----
4.10	Reports, maintainability demonstration	DI-R-2130	-----

"(Copies of data item descriptions required by the contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.)

"6.1.2.1 The data requirements of 6.1.2 and any task in section 3, 4, or 5 of the specification required to be performed to meet a data requirement may be waived by the contracting/acquisition activity upon certification by the offeror that identical data were submitted by the offeror and accepted by the Government under a previous contract for identical item acquired to this

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specification. This does not apply to specific data which may be required for each contract regardless of whether an identical item has been supplied previously (for example, test reports).

"6.1.2.2 Provisioning. Provisioning Technical Documentation (PTD), spare parts, and repair parts should be furnished as specified in the contract.

"6.1.2.2.1 When ordering spare parts or repair parts for the equipment covered by this specification, the contract should state that such spare parts and repair parts should meet the same requirements and quality assurance provisions as the parts used in the manufacture of the equipment. Packaging for such parts should also be specified."

PAGE 15

FIGURE 1, across from size "33EH", under column entitled "Dimensions (Inches)" "D": Delete "19-1/4" and substitute "19-3/4".

Preparing activity:  
Navy - SH  
(Project #520-N266)