

INCH-POUND

MIL-B-16907G(SH)

27 May 1988

SUPERSEDING

MIL-B-16907F(SHIPS)

1 April 1963

(See 6.10)

MILITARY SPECIFICATION

BOILERS, STEAM, HIGH PRESSURE, AUXILIARY FIRE TUBE TYPE
NAVAL SHIPBOARD

This specification is approved for use within the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers fuel fired horizontal straight fire tube type boilers of 2 or 4 pass, single uptake design with burner, all necessary appurtenances, controls and auxiliary equipment mounted as an integral unit on a steel base in order to make a complete, self-contained steam generating unit.

1.2 Classification. The boilers shall be of the following classes and sizes, as specified (see 6.2.1):

Class I - Carbon steel construction.

Class II - Nonmagnetic construction.

Size	Capacity (see 6.6)	
	Rate (pounds of steam per hour)	Overload (pounds of steam per hour)
1	500	----
2	800	----
3	1200	1440
4	1500	1800
5	2500	3000
6	4000	4800
7	5000	6000

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to Commander, Naval Sea Systems Command, SEA 55Z3, Department of the Navy, Washington, DC 20362-5101, by using the self-addressed Standardization Document Improvement Proposal (DD form 1426) appearing at the end of this document or by letter.

AMSC N/A

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2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standards. The following specifications and standards form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation.

SPECIFICATIONS

FEDERAL

- TT-P-28 - Paint, Aluminum, Heat Resisting (1200°F).
- PPP-B-601 - Boxes, Wood, Cleated-Plywood.
- PPP-B-621 - Boxes, Wood, Nailed and Lock-Corner.
- PPP-B-636 - Boxes, Shipping, Fiberboard.
- PPP-B-1055 - Barrier Material, Waterproofed, Flexible.
- PPP-F-320 - Fiberboard; Corrugated and Solid, Sheet Stock (Container Grade), and Cut Shapes.

MILITARY

- MIL-C-104 - Crates, Wood; Lumber and Plywood Sheathed, Nailed and Bolted.
- MIL-S-901 - Shock Tests, H.I. (High-Impact); Shipboard Machinery, Equipment and Systems, Requirements for.
- MIL-E-917 - Electric Power Equipment, Basic Requirements (Naval Shipboard Use).
- MIL-R-2033 - Relays - Power, Electrical Specialty, Induction Type, Naval Shipboard Use.
- MIL-E-2036 - Enclosures for Electric and Electronic Equipment, Naval Shipboard.
- MIL-C-2212 - Controllers, Electric Motor A.C. or D.C., and Associated Switching Devices.
- MIL-R-2729 - Regulator Sets, Voltage, A.C. Generator, Naval Shipboard Use.
- MIL-G-3124 - Generator, Alternating Current, 60-Cycle (Naval Shipboard Use).
- MIL-B-3180 - Boilers and Related Equipment, Packaging of.
- MIL-C-3774 - Crates, Wood; Open 12,000- and 16,000-Pound Capacity.
- MIL-C-5015 - Connectors, Electrical, Circular Threaded, General Specification for.
- MIL-T-5624 - Turbine Fuel, Aviation, Grades JP-4 and JP-5.

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MILITARY (Continued)

- MIL-L-10547 - Liners, Case, and Sheet, Overwrap; Water-Vaporproof or Waterproof, Flexible.
- MIL-P-15024 - Plates, Tags and Bands for Identification of Equipment.
- MIL-P-15024/5 - Plates, Identification.
- MIL-S-16165 - Shielding Harnesses, Shielding Items and Shielding Enclosures for Use in the Reduction of Interference from Engine Electrical Systems.
- MIL-E-16298 - Electric Machines Having Rotating Parts and Associated Repair Parts: Packaging of.
- MIL-W-16878 - Wire, Electrical, Insulated, General Specification for.
- MIL-F-16884 - Fuel, Naval Distillate.
- MIL-M-17059 - Motors, 60-Cycle, Alternating-Current, Fractional H.P. (Shipboard Use).
- MIL-M-17060 - Motors, 60-Hertz, Alternating Current, Integral-Horsepower, Shipboard Use.
- MIL-P-17286 - Propulsion and Auxiliary Steam Turbines and Gears (Including Repair Parts, Tools, Accessories and Instruments); Packaging of.
- MIL-T-17370 - Tube and Flue Cleaner, Boiler, Internal, Air-Motor Driven.
- MIL-M-17413 - Motors, Direct Current, Integral H.P., Naval Shipboard.
- MIL-E-17555 - Electronic and Electrical Equipment, Accessories and Provisioned Items (Repair Parts): Packaging of.
- MIL-M-17556 - Motor, Direct-Current, Fractional HP (Shipboard Use).
- MIL-P-17945 - Pumps, Centrifugal, Peripheral Type, Miscellaneous Naval Shipboard Use.
- MIL-F-19004 - Fans, Centrifugal, Fixed and Portable Ventilation, Naval Shipboard.
- MIL-I-24137 - Iron Castings, Nodular Graphitic (Ductile Iron) and Nodular Graphitic (Corrosion Resisting, Austenitic, Low Magnetic Permeability) (For Shipboard Application).
- MIL-C-24643 - Cable and Cord, Electrical, Low Smoke, For Shipboard Use, General Specification for.
- MIL-C-24643/23 - Cable, Electrical, 300 Volts, Type LSTTSU (Including Variation LSTTSA).