OO-A-372E
March 16, 1988
SUPERSEDING
OO-A-372D
February 2, 1984

FEDERAL SPECIFICATION

AIR CONDITIONERS
(ELECTRIC MOTOR DRIVEN, SELF CONTAINED FOR SHORE USE)

This specification is approved by the Commissioner, Federal Supply Service, General Services Administraton, for the use of all Federal Agencies.

1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers the requirements for air conditioners designed for mounting in a window, through a wall, or floor mounted for free delivery of conditioned air to an enclosed space. This includes the cooling, dehumidifying, circulating, filtering and ventilation of the air.

1.2 Classification. Air conditioners covered by this specification shall be of the following types, styles, classes, models, and sizes (see table I) (see 6.2).

Type I - Window type.
Type II - Floor mounted type.

Style 1 - Double-hung sash window unit.
Style 2 - Casement window unit.
Style 3 - Through the wall unit.

Class A - Cooling Only.
Class B - Combination cooling and heating.

Model (1) - 115 volts, single phase.
Model (2) - 230/208 volts, single phase.

1.3 Reference number. Air conditioners covered by this specification shall be identified by a reference number formed as indicated below. This reference number is intended for cataloging and ordering purposes and not for printing on the air conditioner.

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Specifiction Number	Type	Style	Class	Model	Size

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

FSC 4120

Table I, Electrical characteristics.

Sizes Type I	Nameplate Ratings IN BTU/HR	IN WATTS	Electrical Ratings Model	Class
1	5,000- 6,399	1,500-1,899	(1)	A B
2	6,400- 7,999	1,900-2,229	(1)	A B
3	8,000- 9,999	2,300-2,899	(1)	A B
4	10,000-12,499	2,900-3,699	(1) (2)	A B
5	12,500-15,499	3,700-4,499	(1) (2)	A B
6	15,500-18,999	4,500-5,599	(2)	A B
7	19,000-22,999	5,600-6,699	(2)	A B
8	23,000-27,499	6,700-7,999	(2)	A B
9	27,500-32,499	8,000-9,499	(2)	A B
10	32,500-over	9,500-over	(2)	A B

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issues in effect on the date of the invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

Federal Specifications:

F-F-300 - Filter, Air Conditioning, Viscous-Impingement and Dry Types, Cleanable.
PPP-B-636 - Boxes, Shipping, Fiberboard.
PPP-P-600 - Porcelain Enamel Products and Household Appliances, Electrical and Mechanical Requirements for Packaging and Packing.

Federal Standard:

FED. STD. No. 123 - Marking for Shipment (Civil Agencies)

(Activities outside the Federal Government may obtain copies of Federal Specifications, and Commercial Item Descriptions as outlined under General Information in the Index of Federal Specifications, Standards, and Commercial Item Descriprions. The Index, which includes cumulative bimonthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

(Single copies of this specification and other Federal specifications and commercial item descriptions required by activities outside the Federal Government for bidding purposes are available without charge from General Services Administration, Business Service Centers in Boston, MA; New York, NY; Philadelphia, PA; Washington, DC; Atlanta, GA; Chicago, IL; Kansas City, MO; Fort Worth TX; Houston, TX; Denver, CO; San Francisco, CA; Los Angeles, CA; and Seattle WA.

(Federal Government activities may obtain copies of Federal standardization documents, the the Index of Federal Specifications, Standards, and Commercial Item Descriptions from established distribution points in their agencies.)

Military Standards:

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129 - Marking for Shipment and Storage
MIL-STD 461 - Electromagnetic Emission and Susceptibility requirement for the Control of Electromagnetic Interference
MIL-STD-462 - Electromagnetic Interfernece Characteristics, Measurement of

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

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless a specific issue is identified, the issue in effect on the date for bids or request for proposal shall apply.

Underwriters Laboratories Inc. (UL) Publications:

Standard No. 484 - Room Air Conditioners
Standard No. 900 - Air Filter Units

(Application for copies should be addressed to the Underwriters Laboratories Inc., Publication Stock, 333 Pfingsten Road, Northbrook, IL 60062.)

American National Standards Institute,(ANSI):

ANSI/AHAM RAC-1 - Room Air Conditioners

(Application for copies should be addressed to the Association of Home Appliance Manufacturers, 20 North Wacker Drive, Chicago, IL 60606.)

Association of Home Appliance Manufacturers, (AHAM):

Directory of Certified Room Air Conditioners

(Application for copies should be addressed to the Association of Home Appliance Manufacturers, 20 North Wacker Drive, Chicago, IL 60606.)

National Motor Freight Traffic Association, Inc., Agent:

National Motor Freight Classification

(Application for copies should be addressed to the American Trucking Association, Inc., Traffic Department, 2200 Mill Road, Alexandria, VA 22314.)

Uniform Classification Committee Agent:

Uniform Freight Classification

(Application for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

3. REQUIREMENTS

3.1 Fire and casualty hazards. Each contractor shall submit proof, satisfactory to the contracting agency, that the air conditioners conform to the applicable requirements of Underwriters Laboratories Inc., UL Standard No. 484. Acceptable evidence that the air conditioners have been tested and conform to the requirements of UL Standard No. 484, shall be the UL label or listing mark or a certified test report from a recognized independent laboratory acceptable to the Government. Compliance with this preliminary requirement in regard to fire and casualty hazards does not absolve the contractor from compliance with the requirements of this specification.

3.2 First article. When specified (see 6.2), one air conditioner of each type, style, class, and size shall be subjected to first article inspection (see 4.2.1).

3.3 Performance requirements.

3.3.1 ANSI/AHAM RAC-1. Unless otherwise specified, air conditioners furnished under this specification shall conform to the recommended levels of performance specified in ANSI/AHAM RAC-1, when tested in accordance with 4.4.1.

3.3.1.1 Moisture removal capacity. The air conditioners shall have a moisture removal capacity of from 0.14 to 0.40 pints per hour for each 1,000 BTU's per hour of rated cooling capacity, when tested in accordance with 4.4.1.

3.3.1.2 Recirculated air quatity. The air conditioners shall have the capacity for recirculating air at rates not less than 20 cubic feet per minute (CFM) per 1,000 BTU's per hour (32 liters per second per 1,000 watts) of rated capacity, when tested in accordance with 4.4.1.

3.3.1.3 Ventilating and exhaust air quantity. Unless otherwise specified (see 6.2), provisions shall be made in the air conditioning units for the controlled exhausting of room air or the controlled admitting of fresh air or both but not simultaneously. The controlled exhausting or admitting of air shall be based on a minimum design value of 2 CFM per 1,000 BTU's per hour (3 liters per second per 1,000 watts) of rated capacity, when tested in accordance with 4.4.1. The air conditioners shall have provisions to prohibit entry of insects or animals through the ventilation openings.

3.3.2 Certification. The contractor shall furnish acceptable evidence of ANSI/AHAM RAC-1 requirements. Compliance shall be a listing in the latest issue of the AHAM Directory of Certified Air Conditioners, or a certified test report from a recognized independent testing laboratory acceptable to the Government, indicating that the air conditioners have been tested and conform to all applicable requirements. Such evidence must be acceptable to the Contracting Officer.

3.4 General. The air conditioner shall be a complete self-contained unit ready for operation after removal of packing and connection to utilities. The unit shall deliver conditioned air to the room and utilize outside air to cool the condenser.

3.4.1 Type I. Unless otherwise specified (see 6.2), type I air conditioners shall be designed for and provided with all mounting devices necessary for its installation as style 1 or style 2.

3.4.2 Type II. The type II air conditioners shall be designed for installation on the floor in front of a window within the room it is to serve.

3.5 Design and construction. The air conditioner shall consist of air circulating, refrigeration, and electrical equipment assembled within an outer case.

3.5.1 Outercase cabinet. The outercase cabinet shall include grilles and insulation where required. It shall be of a design and style suitable for installation in an office space. The inlet and outlet grilles shall color harmonize with the cabinet. The outlet grilles shall be furnished with controls for air flow direction.

3.5.2 Chassis. The chassis shall be adequate to support and maintain alignment of the machinery and component parts. The cabinet or chassis shall be insulated to prevent dripping and running off of moisture and minimize noise transmission.

3.5.3 Mounting. All mounting hardware shall be made of corrosion resistant material or protected by a corrosion resistant finish. Sealing gaskets shall prevent air and moisture from leaking into the room.

3.5.3.1 Through the wall. When specified (see 6.2), a zinc primed mounting sleeve or other device shall be furnished for through the wall mounting in wood or masonry walls.

3.5.3.2 Dimensions. The type I air conditioners shall not exceed the following dimensions in tables II and III. For sizes, see Table I.

Table II, Style I, Double-hung sash window unit.

Size *	Height in inches (mm)	Width in inches (mm)	Depth in inches (mm)
1	26 (660)	29 (740)	26 (660)
2	26 (660)	29 (740)	28 (710)
3	26 (660)	29 (740)	32 (810)
4	28 (710)	30 (760)	34 (860)
5	31 (790)	30 (760)	36 (910)
6	32 (810)	32 (810)	37 (940)
7	33 (840)	36 (910)	38 (970)
8	37 (940)	37 (940)	39 (990)
9	39 (990)	39 (990)	41 (1040)
10	41 (1040)	41 (1040)	43 (1090)

Table III, Style 2, Casement window unit.

Sizes *	Height in inches (mm)	Width in inches (mm)	Depth in inches (mm)	EER Min
1	20.5 (520)	14.5 (370)	22.6 (575)	6.5
2	20.5 (520)	14.5 (370)	22.6 (575)	6.0
3	20.5 (520)	14.5 (370)	22.6 (575)	7.0

* Sizes are referenced in table I.

3.5.4 Ducts. The type II air conditioners shall be equipped with metal window ducts that harmonize with the cabinet. Outside duct openings shall be provided with screens for draining or excluding rain water from the unit or room. A base, if required, shall be provided to suit the sill height.

3.5.5 Filters. Recirculated air shall be filtered before its entrance into any air conditioning coil or room. Air filters shall be replaceable and commercially available. The filter shall be free of odors and listed in accordance with UL Standard No. 900 - Air Filter Units. When specified (see 6.2), air filters shall be of the permanent washable type conforming to F-F-300.

3.5.6 Refrigerant. The refrigerant shall meet the requirements of UL Standard No. 484. The refrigerant shall not leak more than 1/2 ounce (14 grams) per year.

3.5.7 Room sensible cooling effect. The air conditioners shall have a room sensible cooling effect of not less than 60 percent or more than 85 percent of the total cooling effect (cooling capacity) when tested in accordance with 4.4.1.

3.5.8 Electrical equipment. All motors and controls shall have voltage, phase and frequency ratings as specified. Wiring design and practices shall conform to UL Standard No 484.

3.5.8.1 Controls. Manual and automatic controls shall be mounted in the cabinet and operable outside. Manual controls shall permit operation of either the fan or the fan and refrigeration equipment. The fan control shall provide two or more fan speed settings. Automatic controls shall include a thermostat for controlling the air temperature. The thermostat shall have an adjustable range, including 72 to 80 degrees F (22 to 27 degrees C) and shall automatically turn the refrigeration system on or off to maintain the preselected temperature within ± 4 degrees F (2 degrees C).

3.5.8.2 Cable assembly. The cable assembly shall consist of a 2 conductor with integral ground and a grounding plug and shall conform to UL Standard No. 484. The cable assembly color shall harmonize with the cabinet.

3.5.8.3 When specified (see 6.2), The unit shall have a heating capacity not less than 50 percent of the BTU's per hour (W) cooling capacity. When heating is specified, an adjustable thermostat shall be provided to automatically control the temperature from 60 to 80 degrees F (15 to 27 degrees C) within ± 4 degrees F (2 degrees C).

3.6 Energy efficiency ratio/coefficient of performance. For the cooling mode, the air conditioners shall meet the following minimum Energy Efficency Ratio (EER) requirements in table IV.

Table IV, EER*

Models	EER**
115 volts	8.5
230/208 volts	8.0

* EER is the ratio calculated by dividing the cooling capacity in BTU/HR by the power input in watts at any given set of rating conditions.
** For air conditioners manufactured on or after January 1, 1990, they shall meet the EER's specified in accordance with the National Appliance Energy Conservation Act of 1987.

3.7 Instructions for care and operation. The contractor shall furnish complete instructions for installation, maintenance, and operation with each unit.

3.8 Spare parts and maintenance tools. Spare parts and tools where required, shall be as specified in the contract or order (see 6.2).

3.9 Finish. Unless otherwise specified (see 6.2), the manufacturers commercial finish is acceptable.

3.10 Identification marking. The air conditioners shall be marked in accordance with UL Standard No. 484.

3.11 Electromagnetic interference. When specified (see 6.2), the electromagnetic interference shall be in accordance with MIL-STD-461, Class C3. Group III.

3.12 Workmanship. All components and assemblies of the air conditioner shall be free from dirt or other extraneous materials, burrs, slivers, rough die, tool and grind marks, dents, and cracks. Castings, molded parts, stampings, if used, shall be free from sand fins, pits, blow holes and sprues. Welds shall be smooth and free of cracks from holes, undercuts, and incomplete fusion. All scale and flux shall be removed from the finished weld area. Threaded fasteners shall not be missing, broken, cracked, or stripped.

3.13 Regulatory requirements. The offerer/contractor is encouraged to use recovered materials in accordance with Public Law 94-580, as amended, to the maximum extent practicable.

4 QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the contractor may use his own or any otherfacilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspection set forth in the specification where such inspections are deemed necessary to assure that supplies and services conform to the prescribed requirements.

4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

a. First article inspection (see 4.2.1).
b. Quality conformance inspection (see 4.2.2)
c. Packaging inspection (see4.3.4).

4.2.1 First article inspection. When specified (see 6.2), first article inspection shall consist of the examinations and tests of 4.3 and 4.4.

4.2.2 Quality conformance inspection. Quality conformance inspection shall consist of the examination of 4.3 and the test of 4.2. Unless otherwise specied (see 6.2), sampling for inspection shall be performed in accordance with MIL-STD-105.

4.3 Inspections and examinations.

4.3.1 Component and material inspection. In accordance with 4.1, components and materials shall be inspected in accordance with all the requirements of referenced specifications and standards unless otherwise excluded, amended, modified or qualified in this specification or applicable purchase document.

4.3.2 Intermediate visual and dimensional examination. The intermediate product or assemblies which cannot be checked or measured after final assembly shall be examined at various stages of manufacture for compliance with this specification. Examination will be made at an appropriate intermediate station for defects in construction, workmanship, dimensions, and material. Any deviation from specified requirements shall be classified as a defect, the inspection level shall be S-1 with an Acceptable Quality Level (AQL) of 4.0 expressed in terms of defects per hundred units.

4.3.3.1 Visual examination. Examination shall be made of the air conditioner for defects listed in table V. The examination level shall be level II with an AQL of 2,5 for major defects and 6.5 for total defects expressed in terms of defects per hundred unit.

Table V, Classification of defects

Examine	Defects	Classification Major	Minor
General	Type and size not as specified (3.4)	X	
Outer case, chassis	Not as specified (3.5.1, 3.5.2)	X	
Mounting	Not as specified (3.5.3, 3.5.3.1, 3.5.3.2)	X	
Filters	Not in accordance with UL 900 (3.5.5)	X	
Controls	Missing	X	
	Not as specified (3.5.8.1)	X	
Cable assembly	Not as specified (3.5.8.2)		X
EER (COP)	Below minimum specified (3.6)	X	
Instructions for care and delivery, identification marking	Not as specified		X
	Missing, incomplete, illegible (3.7, 3.10)		X
Spare parts and maintenance tools	Not as specified (3.8)		X
Finish	Not as specified (3.9)		X
Construction and workmanship (applicable to all components and assemblies.	Any part missing	X	
	Broken, deformed, dented, deteriorated or otherwise seriously impaired.	X	
	Dented, bent, or otherwise damaged, not affecting serviceability.		X
	Misplaced, loose, or out of alignment components.		X
	Dirt or extraneous material present.		X
	Any functioning component that is inoperative or will not operate as intended.	X	
	Any functioning component that requires abnormal force to operate.		X

Table V, Classification of defects (continued)

Examine	Defects	Classification Major	Minor
Welding and brazing	Missing, incomplete, burn holes, cracked, severe undercut, or otherwise not fused (3.12).	X	
	Slag inclusion, gas pocket, slight undercut, not smooth and uniform, scale or flux deposit not removed (3.12).		X
Threaded components	Missing, broken, stripped, or fractured.	X	
	Otherwise defective, not impairing use (3.12).		X
Wiring	Not in accordance with UL 484 (3.5.8).	X	

4.3.3.2 Dimensional examination. An examination shall be made of the complete air conditioner to determine conformance with the specified dimensions. Any dimension that is not within the specified requirements shall be classified as a defect. The inspection level shall be S-2 with an AQL of 4.0 expressed in terms of defects per hundred units.

4.3.3.3 Certification. The contractor shall make available to the Contracting Officer or his authorized representative, evidence of compliance with the applicable standard cited in 3.2.2. The Government reserves the right to examine and test all air conditioners to determine the validity of the certification.

4.3.4 Examination of preparation for delivery. An examination shall be made to determine that packaging, packing, and marking as required in section 5 are complied with. Defects shall be as specified in table VI. The sample unit shall be one shipping container fully prepared for delivery. The lot shall be the number of containers offered for inspection at one time. The inspection level shall be S-2 with an AQL of 4.0 expressed in terms of defects per hundred units.

Table VI, Examination of preparation for delivery

Examine	Defects
Marking	Omitted, incorrect, illegible, of improper size, location, sequence, or method of application.
Materials	Component missing, damage, or otherwise defective.
Contents	Content per container is more or less than required.

4.3.4.1 Examination of shipping containers. When shipping containers are required to be in accordance with PPP-B-636, examination for defects in closure, waterproofing, and banding shall be in accordance with the appendix of PPP-B-636.

4.4 Tests. Testing shall consist of 4.4.2, 4.4.3 when required (see 6.2), and 4.4.1 unless otherwise specified (see 6.2).

4.4.1 Performance tests. For verification of compliance with the performance requirements of the specification, the following test shall be performed:

Cooling capacity test (3.3.1).
Moisture removal capacity test (3.3.1)
Recirculated air quantity test (3.3.1)
Ventilated air quantity test and exhaust air quantity test (3.3.1)
Electrical input test and power factor test (3.3.1)
Maximum operating conditions (3.3.1)
Freezing tests (3.3.1)
Enclosure sweat tests (3.3.1)
Condensate disposal test (3.3.1)
Heating capacity test (3.5.8.3)

4.4.1.1 Test procedure. All of the above tests shall be carried out in accordance with the applicable provisions of the latest version of ANSI/AHAM RAC-1.

4.4.2 Test procedure. Air conditioner samples selected in accordance with 4.2 shall be operated in accordance with the applicable provisions of the latest version of ANSI/AHAM RAC-1 to satisfy the required power input, air flow rate, and the low-voltage starts as specified herein. When specified herein, the heating function shall be tested for the proper operational test, all other components shall be checked for proper functioning. At no time during the operational test, leakage of refrigerant shall not exceed 1/2 ounce per year as detected by a halogen leak test detector. This test may be combined with the manufacturer's final test when all elements of the specified test requirements are included in the manufacturer's quality control procedures.

4.4.3 Electromagnetic interference tests. When electromagnetic interference tests are specified (see 3.11), the first production unit shall be tested in accordance with MIL-STD-462, to verify compliance with the pertinent provisions of MIL-STD-461. When supressed to conform to 3.11, the manufacturer may upon approval of the contracting officer furnish a Certificate of Compliance (see 6.3) as part of the first production unit in lieu of the test that the air conditioners meet the requirements, together with a list of the suppression devices installed. The list shall be sufficiently detailed to allow visual determination that the devices are installed.

5. PREPARATION FOR DELIVERY

5.1 Preservation and packaging. Preservation and packaging shall be level A or C as specified (see 6.2).

5.1.1 Level A.

5.1.1.1 Unit. Each unit shall be protected by wrapping in kraft paper, 40 lb., minimum basis weight, plastic foam wrap, bubble wrap, or with water resistant cellulose wadding or by blocking and bracing using plastic or fiberboard pads. The wrapping paper, cushioning material or pads shall be secured in place with tape or twine. The cable assembly shall be coiled to a minimum safe diameter and the coil tied with not less than two ties of cotton tape or twine. The coil shall be secured to the unit under the wrapping or cushioning with tape or twine.

5.1.1.2 Technical publications. Technical publications, instruction and maintenance manuals shall be packaged in a sulfate kraft envelope having a basis weight of 28 (17 x 22 - 500) and a minimum burst strength of 52 PSI; end opening with gummed flap or metal clasp and reinforced hole, or in a plastic bag, 1 mil. minimum thickness, closed and sealed with heat or tape.

5.1.1.3 Spare parts. The spare parts shall be packaged in a box conforming to PPP-B-636, class domestic. Closure and sealing shall be in accordance with the appendix to the box specification.

5.1.1.4 Maintenance tools. The maintenance tools shall be packaged in a box conforming to PPP-B-636, class domestic. Closure and sealing shall be in accordance with the appendix to the box specification.

5.1.2 Level C. Each complete unit shall be packaged in accordance with the suppliers commercial practice providing that this will insure protection for the unit during shipment and will provide for safe delivery to its destination.

5.2 Packing. Each complete unit shall be in accordance with PPP-P-600, levels A, B, or C as specified.

5.3 Marking.

5.3.1 Civil agencies. In addition to markings required by the contract or order, the interior packages and shipping containers shall be marked in accordance with Fed. Std. No. 123.

5.3.2 Military requirements. In addition to any special markings required by the contract or order, interior packages and shipping containers shall be marked in accordance with MIL-STD-129.

6. NOTES

6.1 Coverage. This Federal Specification does not cover all types and sizes of air conditioners but only those used by the Federal Government.

6.2 Ordering data. Purchasers should select the preferred options permitted herein and include the following information in procurement documents.

(a). Title, number, and date of this specification.
(b). Type and size of air conditioners (see 2.1). ANSI/AHAM RAC-1 specifies the cooling capacity of any production unit shall not be less than 95 percent of its nameplate rating. If ratings other than those listed in 1.2 are requires, the purchaser should specify minimum nameplate rating required.
(c). Mounting (see 3.5.3, 3.5.3.1, 3.5.3.2). For type I units, specify whether style 1, 2, or 3. For style 3 units, a separate mounting sleeve must be specified, if required. Style 1 units may serve as through-the-wall units by utilizing the outercase cabinet as the mounting sleeve.
(d). Ducts and duct adapters for type II units (see 3.5.4).
(e). Air filters of the permanent washable type, if required (see 3.5.5).
(f). Required voltage, phase, and frequency for type II items (see 3.5.8).
(g). Class (see 1.2 and 3.5.8.3).
(h). Spare parts and tools, if required (see 3.8).
(i). Finish, if other than specified (see 3.9).
(j). First article inspection, if required (see3.2).
(k). Inspection responsibility, if other than specified (see 4.1)
(l). Selection of applicable levels of preservation, packaging, and packing (see 5.1 and 5.2).

6.3 Contract data requirements. When this specification is used in an acquisition and data is required to be delivered, the data shall be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved Contract Data Requirements List (CDRL), incorporated into the contract. When the provisions of DoD FAR Supplement, Part 27, Sub-Part 27.410-6 (DD Form 1423) are invoked and the DD Form 1423 is not used, the data shall be delivered by the contractor in accordance with the contract or purchase order requirements.

Cross reference from A-A-931 to OO-A-372E is as follows:

NSN	A-A-931 Size	OO-A-372E Type	Style	Class	Model	Size
4120-00-905-4313	1	I	1	A	1	1
4120-01-026-5563	2	I	1	A	1	2
4120-01-070-0919	3	I	1	A	1	3
4120-00-211-5922	4	I	1	A	1	4
4120-01-070-8658	5	I	1	A	1	5
4120-01-031-7267	4	I	1	A	2	4
4120-00-905-4228	5	I	1	A	2	5
4120-00-905-4238	6	I	1	A	2	6
4120-00-905-4230	7	I	1	A	2	7
4120-00-905-4315	8	I	1	A	2	8

There is no cross reference for CID A-A-932.

MILITARY INTERESTS:

PREPARING ACTIVITY:

GSA - FSS/FCNE

Military Coordinating Activity

Navy - YD

Custodians

Army - ME
Navy - YD
Air force - 99

Review Activities

Army - CE
Air force - 82
DLA - GS

User Activity

Navy - MC