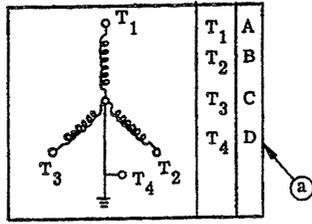


- (a) RECEPTACLE TO FIT PLUG MS3118E-14-5S.
- (b) 7/8 OD SPOUT WITH .951 +.010 OD BEAD ON END OF SPOUT. IT MUST BE POSSIBLE TO ROTATE THE SPOUT THROUGH 360° AROUND THE ROTATIONAL AXIS OF THE MOTOR AND TO LOCK IT AT ANY POINT.
- (c) THE AIR INTAKE SHALL BE SCREENED SO THAT A 1/4 INCH DIA ROD WITH AN END SURFACE CUT AT 90° TO THE ROD AXIS CANNOT BE FORCED INTO CONTACT WITH A MOVING PART WHEN A 5 POUND FORCE IS EXERTED ON THE ROD.



INPUT PHASE ROTATION A, B, C

<b>INPUT</b>	
VOLTAGE (NOMINAL)	115/200 VOLTS
FREQUENCY (NOMINAL)	400 CPS
PHASE	3
POWER FACTOR (MINIMUM LAG)	.60
VOLT-AMPERES (MAXIMUM)	250 VA
<b>OUTPUT</b>	
CFM (NOMINAL SEA LEVEL AT 13 INCHES W. G. (WATER GAUGE) STATIC HEAD (P <sub>s</sub> ))	16 CFM
WEIGHT LBS MAXIMUM	2.5

MS PART NO.
MS22053-4

**NOTES:**

1. DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED; TOLERANCES DECIMALS: ± .015
2. THE WEIGHT AND VOLUME LIMITATIONS SHOWN ON THIS DRAWING INCLUDE ALL AUXILIARY APPARATUS NECESSARY TO MAKE THIS UNIT CONFORM TO THE PROCUREMENT SPECIFICATION.
3. THE MS DESIGNATION SHALL NOT BE SHOWN ON BLOWERS UNTIL THE UNIT FULLY MEETS THE REQUIREMENTS OF THIS DRAWING AND APPROVAL HAS BEEN RECEIVED FROM THE NAVAL AIR SYSTEMS COMMAND.
4. THE UNIT SHALL MEET THE PERFORMANCE REQUIREMENTS WHILE OPERATING ON AN AMBIENT OF FROM 10° C TO 43° C FROM SEA LEVEL TO AN ALTITUDE OF 20,000 FEET AND SHALL NOT BE DAMAGED BY CONTINUOUS OPERATION UNDER THE TEMPERATURE ALTITUDE CONDITION DESCRIBED BY CURVE II OF MS33543 AT ALTITUDES OF 20,000 TO 40,000 FEET.
5. THE UNIT SHALL MEET THE RADIO NOISE REQUIREMENT OF MIL-I-6181.
6. **TEMPERATURE INCREASE** - THE MAXIMUM TEMPERATURE INCREASE OF THE AIR DUE TO COMPRESSION AND ENERGY DISSIPATION THROUGH THE BLOWER SHALL BE LESS THAN 13° F.
7. **COLOR** - THE EXTERIOR OF THE MOTOR-BLOWER UNIT SHALL BE FLAT BLACK.
8. THE REQUIREMENTS OF THE PROCUREMENT SPECIFICATION, MIL-B-23072(AS), PERTAIN TO THE BLOWER UNIT WITH THE FOLLOWING EXCEPTIONS:
  - a. **3.4.11 LIFE** - SUBSTITUTE 1500 HOURS IN LIEU OF THE 1000 HOURS SHOWN. 2000 HOURS LIFE IS AN OBJECTIVE.
  - b. **3.4.2.5 SALT SPRAY** - DELETE. OBJECTIVE ONLY.
  - c. **3.4.2.6 FUNGUS** - DELETE. OBJECTIVE ONLY.
  - d. **4.5.7 ACOUSTICAL NOISE** - APPLICABLE. 90 db MAXIMUM.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

This military standard is approved by NAVAL AIR SYSTEMS COMMAND, Department of the Navy and shall be used by that activity. All other military activities are required to employ this standard where suitable.

P.A. NAVY - AS	TITLE (J)	MILITARY STANDARD
Other Cust	BLOWER, 400 CPS, CONTINUOUS DUTY, CLASS A, GARMENT VENTILATION, CWU-33/P ANTI-EXPOSURE SUIT	MS 22053 (AS)
PROCUREMENT SPECIFICATION MIL-B-23072(AS)	SUPERSEDES:	SHEET 1 OF 1

APPROVED 10 OCT 1960 REVISED (E) 22 MAY 1973 (J) 11 June 1979