

OTHER INTEREST: SAA - REVIEW DESIGN/USER INFORMATION IS CURRENT AS OF THE DATE OF THIS DOCUMENT.  
 EL - REVIEW MENT. FOR FUTURE COORDINATION OF CHANGES TO THIS DOCUMENT. DRAFT  
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		<b>FED. SUP CLASS</b> 6125																																										
		<b>CONNECTIONS EXTERNAL TO THE INVERTER NECESSARY FOR WYE (115/200 VOLT) AND DELTA (115 VOLT) CONNECTIONS FOR 1Φ CONNECTION SEE (a)</b>																																										
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FOR ANY COMBINATION OF CONDITIONS LISTED BELOW THE OUTPUT VOLTAGE AND FREQUENCY SHALL REMAIN WITHIN THE INDICATED LIMITS:																																												
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INPUT VOLTAGE VARIED BETWEEN 25 & 26 VOLTS. LOAD VARIED FROM NO LOAD TO FULL LOAD AMBIENT TEMPERATURE - ALTITUDE VARIED WITHIN THE RANGE ESTABLISHED BY CURVE 1 OF MS33543 EXCEPT AMBIENT TEMPERATURE SHALL NOT EXCEED 85°C RATED OUTPUT TO 50,000 FT. 50 PERCENT RATED OUTPUT TO 65,000 FEET.		VOLTAGE LOW 110 192 HIGH 120/208	FREQ. (CPS) LOW 380 HIGH 410																																									
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(a) THIS INVERTER DESIGN SHALL BE SUCH THAT IT MAY BE LOADED EITHER 3Φ OR 1Φ BUT NOT SIMULTANEOUSLY WHEN USED AS A SINGLE-PHASE INVERTER. THE UNIT SHALL BE CONNECTED IN DELTA AND THE LOAD CONNECTED TO TERMINALS A(T1) AND B(T2). WHEN USED 3Φ, THE LOADS PER PHASE SHALL NOT DIFFER BY MORE THAN 10 PERCENT OF THE INVERTER RATING.																																												
<b>NOTES</b> 1. DIMENSIONS IN INCHES. 2. THE AIRCRAFT MANUFACTURER SHALL ALLOW CLEARANCE OF AT LEAST ONE INCH AT EACH END OF THE INVERTER IN ADDITION TO THE MAXIMUM DIMENSIONS SHOWN ON THIS DRAWING FOR INSTALLATION. 3. FOR NAVY APPLICATION INVERTERS WITH EITHER SIMPLEX OR DUPLEX COOLING AIRFLOW CONFIGURATION ARE ELECTRICALLY AND MECHANICALLY INTERCHANGEABLE WITH EACH OTHER.																																												
(H) REVISED																																												
<b>P.A. NAVY-AS</b> Other Cust AF - 11 Army - ME		<b>TITLE</b> INVERTER, AIRCRAFT, 2500 VA, 3/1 PHASE, 400 CYCLE. CLASS B, MULTI-PURPOSE																																										
<b>PROCUREMENT SPECIFICATION</b> MIL-1-7032		<b>SUPERSEDES</b> MS-28098 AND MS-25097																																										
<b>MILITARY STANDARD</b> <b>MS17404</b>		SHEET 1 OF 2																																										

This military standard is approved by the Department of Defense and is mandatory for use by all Departments & Agencies of the Department of Defense. Selection for all new engineering and design applications and for replacement shall be made from this document.

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FED. SUP CLASS  
6125

4. THE WEIGHT AND DIMENSIONS SHOWN ON THIS DRAWING SHALL INCLUDE THE WEIGHT AND DIMENSIONS OF ALL AUXILIARY APPARATUS NECESSARY TO MAKE THE UNIT CONFORM TO THE PROCUREMENT SPECIFICATION.
5. PART NO. MS17404-1 SUPERSEDES MS25096-1 AND MS25097-1.  
 PART NO. MS17404-2 SUPERSEDES MS25096-2 AND MS25097-2.
6. A MEANS OF ADJUSTING THE VOLTAGE SHALL BE ON THE CONNECTOR END AND ABOVE THE HORIZONTAL CENTERLINE OF THE INVERTER.
7. PERMISSION OF THE PROCURING ACTIVITY SHALL BE OBTAINED FOR APPLICATION OF THIS UNIT OUTSIDE OF THE SPECIFIED LIMITS.
8. TWO PLACARDED PIN JACKS SHALL BE PROVIDED ON THE CONNECTOR END AND ABOVE THE HORIZONTAL CENTERLINE OF THE INVERTER BETWEEN WHICH THE VOLTAGE BETWEEN A(T<sub>1</sub>) AND G(T<sub>4</sub>) CAN BE MEASURED. THE PIN JACKS SHALL ACCEPT A PROD PIN .078 ± .002 INCHES IN DIAMETER.
9. THIS UNIT SHALL BE PROVIDED WITH A STATIC SEMI-CONDUCTOR TYPE VOLTAGE AND FREQUENCY REGULATOR.
10. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
11. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

APPROVED 9 JAN 1962 REVISED 1 PER 1001 (R) SHEET 1

P.A. NAVY - AS Other Cust AF - 11 Army - ME	TITLE INVERTER, AIRCRAFT, 2500 VA, 3/1 PHASE, 400 CYCLE, CLASS B, MULTI-PURPOSE	MILITARY STANDARD <b>MS17404</b>
PROCUREMENT SPECIFICATION MIL-I-7032	SUPERSEDES: MS-25096 AND MS-25097	SHEET 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.