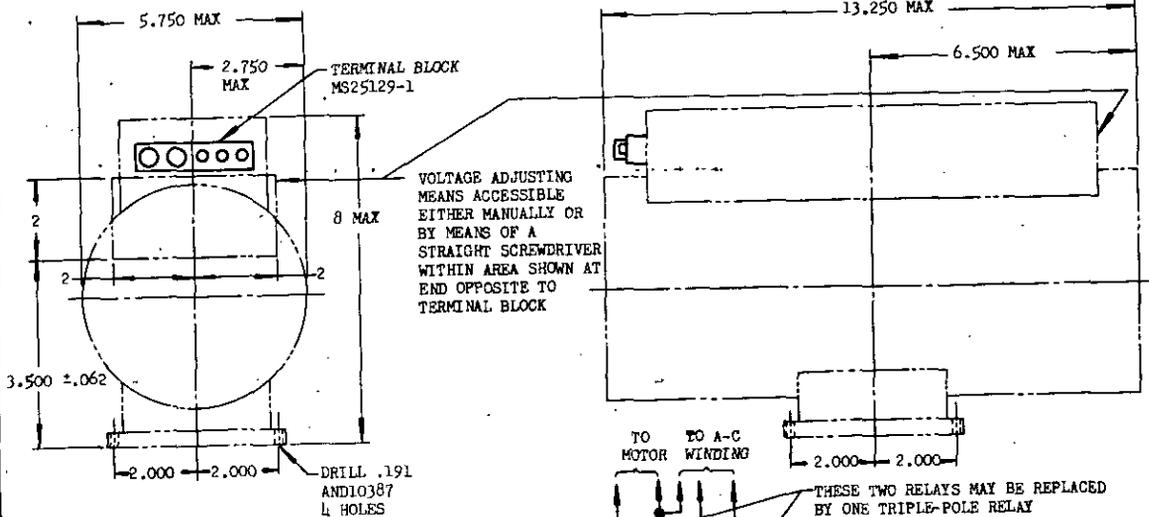
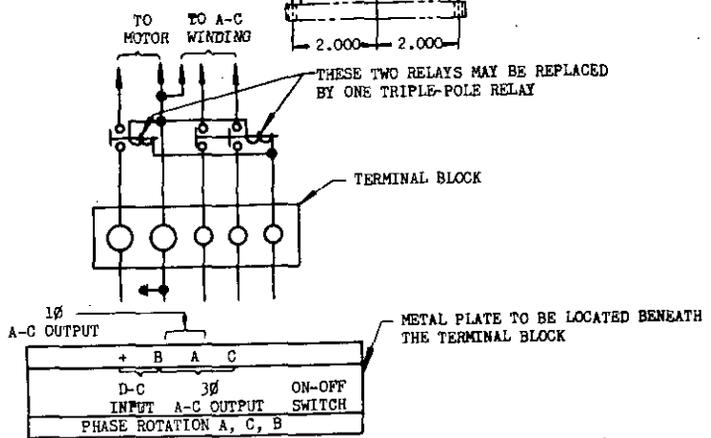


FED. SUP. CLASS.
6125



	3Ø	1Ø
INPUT: VOLTS	27.5	27.5
OUTPUT: VA	500	500
VOLTS	115	115
MIN PF LAG	.90	.90
MIN PF LEAD	.95	.95
FREQ (CPS)	400	400
PHASES	3	1
MAX WEIGHT (LB)	25	25
MIN EFFICIENCY	40%	40%



(a) CONDITIONS	LIMITS	
	VOLTAGE	FREQ (CPS)
INPUT VOLTAGE VARIED BETWEEN 26.0 AND 29.0 VOLTS		
1.0 PF LOAD VARIED BETWEEN 0 AND FULL LOAD	LOW 112.5	LOW 390
ANY FIXED AMBIENT BETWEEN -55°C AND +71°C	HIGH 117.5	HIGH 410
ALL VARIATIONS PER ABOVE PLUS:		
ALTITUDE VARIED BETWEEN 0 AND 35,000 FT		
POWER FACTOR VARIED BETWEEN .90 LAG AND .95 LEAD	LOW 110.0	LOW 390
AMBIENT TEMPERATURE VARIED BETWEEN -55°C AND +71°C	HIGH 120.0	HIGH 410
MOUNTED IN ANY POSITION		
WARMUP EFFECTS		

(a) CONDITIONS SHALL NOT BE CONSTRUED TO BE INDICATIVE OF CONTINUOUS OPERATING REQUIREMENTS BUT MERELY A DEVICE WITH WHICH TO COMPUTE A SIMULATED VOLTAGE AND FREQUENCY REGULATION.

MS PART NO.
MS25174-1

THE AIRCRAFT MANUFACTURER SHALL ALLOW CLEARANCE FOR THE MAXIMUM DIMENSIONS SHOWN ON THIS DRAWING FOR INSTALLATION.

THE WEIGHT AND DIMENSIONS SHOWN ON THIS DRAWING SHALL INCLUDE THE WEIGHT AND DIMENSIONS OF ALL AUXILIARY APPARATUS NECESSARY TO MAKE THIS PRODUCT CONFORM TO SPECIFICATION MIL-I-7032.

MS DESIGNATIONS SHALL NOT BE SHOWN ON INVERTERS UNTIL APPROVAL HAS BEEN RECEIVED FROM THE ACTIVITY RESPONSIBLE FOR QUALIFICATION, AND THE INVERTER FULLY MEETS THE REQUIREMENTS OF THE SPECIFICATION AND DRAWING.

PART NO. MS25174-1 IS INTERCHANGEABLE WITH PART NO. AN3533-1 AND AN3513-2.
 PART NO. AN3533-1 IS INTERCHANGEABLE WITH MS25174-1 FOR 3-PHASE APPLICATIONS ONLY.
 PART NO. AN3513-2 IS INTERCHANGEABLE WITH MS25174-1 FOR SINGLE-PHASE APPLICATIONS ONLY.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.010.

(A) CANCELED AFTER 1 JULY 1965. NO SUPERSEDING STANDARD.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
 THIS DOCUMENT HAS BEEN PROMULGATED BY THE DEPARTMENT OF DEFENSE AS THE MILITARY STANDARD TO LIMIT THE SELECTION OF THE ITEM, PRODUCT, OR DESIGN COVERED HEREIN IN ENGINEERING, DESIGN, AND PROCUREMENT. THIS STANDARD SHALL BECOME EFFECTIVE NOT LATER THAN 90 DAYS AFTER THE LATEST DATE OF APPROVAL SHOWN.

P.A. Navy - WP Other Cust USAF - 11	MILITARY STANDARD	MS25174 (ASG)
	INVERTER, 500 VA, 3/1 PHASE, CLASS A	
PROCUREMENT SPECIFICATION MIL-I-7032	SUPERSEDES:	SHEET 1 OF 1

Review activities: Navy - WP, USAF - 11
 This standard has been approved by the Department of the Navy (WP) and the Department of the USAF and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 20 Jan 56 REVISED (A) 1 Jul 65