



GENERATOR CHARACTERISTICS	
PROPERTY	VALUE
RATED VOLTAGE, VOLTS	30
RATED CURRENT, AMPERES	400
RATED SPEED RANGE, RPM	3000-8000
CONTINUOUS OPERATING SPEED, RPM	6000
MINIMUM SPEED FOR REGULATION, RPM	3500
MAXIMUM SPEED FOR REGULATION, RPM	10000
OVERSPEED, RPM	11000
REGULATED FIELD CURRENT-MAXIMUM, AMPERES	6
POWER TO BE DISSIPATED BY REGULATION-MAXIMUM, WATTS	90
WEIGHT-MAXIMUM, POUNDS	61
EFFICIENCY-MINIMUM, PERCENT	76
MOMENT OF OVERHANG-MAXIMUM, POUND-INCHES	375
MINIMUM NATURAL FREQUENCY, HERTZ	210
SHEAR SECTION, POUNDS-INCHES	1700-2000
OVERLOAD CURRENT AT 6000 RPM, AMPERES	
200 PERCENT FOR 5 SECONDS	800
150 PERCENT FOR 2 MINUTES	600

(A) REVISED AND REDRAWN

P.A. NAVY - AS Other Cust	TITLE GENERATOR, DIRECT CURRENT, 400 AMPERE CLASS A, BLAST COOLED, 3000 - 8000 RPM	MILITARY STANDARD	
		MS3364(AS)	
PROCUREMENT SPECIFICATION MIL-G-6162	SUPERSEDES E-1604 AND AN 3634 FOR NAVAIR USE	SHEET	1 OF 2

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.

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PROJ. NO. 6115-N399

PLATE NO. 23071

APPROVED 11 JULY 1969 REVISED (A) 12 September 1977

FED. SUP CLASS  
6115

## REQUIREMENTS:

1. THE FREE END OF THE GENERATOR SHALL CONTAIN TWELVE (12) #10-32 UNF-3B THREADED HOLES TAPPED .3125 (MIN) DEEP. THE HOLES SHALL BE EQUALLY SPACED ON A 5.688 BASIC DIAMETER WITHIN .005 TRUE POSITION TO PERMIT USE OF AND OPERATION WITH MS25159, MS25160, OR MS90333 GENERATOR AIR INLETS.
2. A PROTECTIVE COVER OF A FLEXIBLE FIRE-RESISTANT AND AIRCRAFT FLUID-RESISTANT MATERIAL SHALL BE PROVIDED FOR THE TERMINAL BLOCK.
3. GENERATOR SHALL BE INSTALLED ON DRIVE CONFORMING TO AND 20002. GENERATOR MOUNTING FLANGE, MOUNTING SLOTS, AND ROTATION SHALL BE IN ACCORDANCE WITH DRAWING MS18056 (5 - INCH). DRIVE SHAFT SHALL BE AS SHOWN ON SHEET 1 OF THIS STANDARD.
4. BRUSH ACCESS COVER SHALL BE CAPABLE OF BEING ROTATED TO ANY POSITION.
5. THE INTERNAL WIRING SHALL TERMINATE IN A TERMINAL BLOCK PROPERLY AND PERMANENTLY MARKED FOR EASY IDENTIFICATION OF THE TERMINALS. A NUT CONFORMING TO MS90415 SHALL BE FURNISHED FOR EACH TERMINAL.
6. THE AIRCRAFT OR ENGINE MANUFACTURER SHALL ALLOW CLEARANCE FOR THE MAXIMUM DIMENSIONS SHOWN ON DRAWING AND 10305.
7. THE AIRCRAFT OR ENGINE MANUFACTURER SHALL ALLOW CONNECTING LEAD LENGTH AND BLAST TUBE LENGTH FOR THE LIMITING DIMENSIONS SHOWN ON THIS DRAWING.
8. MS DESIGNATIONS SHALL NOT BE SHOWN ON THE GENERATOR UNTIL APPROVAL HAS BEEN RECEIVED FROM THE GOVERNMENT QUALIFICATION AGENCY AND THE GENERATOR FULLY MEETS THE REQUIREMENTS OF THE SPECIFICATION AND DRAWING.

## NOTES:

1. GENERATOR MS3364-1 WITH MS25160-1 AIR INLET SUPERSEDES AN3634-1A AND E-1604-1.
2. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED. TOLERANCES: LINEAR,  $\pm .002$ ; ANGULAR,  $\pm 1^{\circ}$ .
3. 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.

☆U.S. GOVERNMENT PRINTING OFFICE: 1981 — 703-023/7044

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PROCUREMENT SPECIFICATION MIL-G-6162	SUPERSEDES: E-1604 AND AN 3634 FOR NAVAIR USE	SHEET 2 OF 2