



GENERATOR CHARACTERISTICS

PROPERTY	VALUE
RATED VOLTAGE, VOLTS	30
RATED CURRENT, NOMINAL, AMPERES	500
RATED SPEED, RPM	4 000/4 000
CONTINUOUS OPERATING SPEED, RPM	4 000
MINIMUM SPEED FOR REGULATION, RPM	4 500
MAXIMUM SPEED FOR REGULATION, RPM	10 000
OVER SPEED, RPM	11 000
REGULATED FIELD CURRENT, MAX AMPERES	8
POWER TO BE DISSIPATED BY REGULATOR, MAX WATTS	90
WEIGHT, MAX POUNDS	45
EFFICIENCY, MIN, 70 TO 100 PERCENT LOAD, PERCENT	70
MOMENT OF OVERHANG, MAX, POUND - INCHES	500
MINIMUM NATURAL FREQUENCY, CPS	200

MS DESIGNATIONS SHALL NOT BE SHOWN ON GENERATOR UNTIL APPROVAL HAS BEEN RECEIVED FROM THE AERONAUTICAL STANDARDS GROUP AND THE GENERATOR FULLY MEETS THE REQUIREMENTS OF THE SPECIFICATION AND DRAWINGS.

THIS DRAWING SHALL NOT BECOME EFFECTIVE UNTIL THE GENERATOR SHOWN HEREON IS LISTED IN THE APPLICABLE MILITARY QUALIFIED PRODUCTS LIST.

GENERATOR TO BE INSTALLED ON PAD AND DRIVE CONFORMING TO DRAWING AND20005.

THE AIRCRAFT MANUFACTURER SHALL ALLOW CONNECTING LEAD LENGTH AND BLAST TUBE LENGTH FOR THE LIMITING DIMENSIONS SHOWN ON THIS DRAWING.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS  $\pm .06$ .

THE AIRCRAFT MANUFACTURER SHALL ALLOW CLEARANCE FOR THE MAXIMUM DIMENSIONS SHOWN ON DRAWING AND10343 FOR INSTALLATION.

A PROTECTIVE COVER OF FLEXIBLE INSULATING MATERIAL SHALL BE PROVIDED FOR THE TERMINAL BLOCK.

QUALIFYING AGENCY - U. S. NAVY.

GENERATOR CLEARANCE REQUIREMENTS NOT INDICATED ON THIS DRAWING SHALL NOT EXCEED AND10343.

Ⓐ CANCELLED WITH NO SUPERSEDING STANDARD.

CUSTODIAN  
Navy - BuAer  
Air Force  
PROCUREMENT SPECIFICATION  
MIL-G-6162

# MILITARY STANDARD

GENERATOR - DIRECT CURRENT, 500 AMPERE, 30 VOLT,  
HIGH SPEED RANGE

# MS25007

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