

Chapter 13

Generator, E.E., Type AE2515

ILLUSTRATION

Generator, Type AE2515 Fig.
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LEADING PARTICULARS

Generator, E.E., Type AE2515	Ref. No.
Rotation	Clockwise
Rated output	..	..	..	..	4 kW
Rated voltage	..	..	..	..	30V d.c.
Speed range	..	..	..	..	5710 to 9500 rev/min
Altitude	..	..	..	..	10000 ft
Cooling	..	..	..	..	Self cooled by internal fan
Voltage regulator	..	..	..	..	Type 94
Regulated voltage	..	..	..	..	28V d.c.
Brushes					
Grade	..	..	..	..	E.G.12
Length (absolute minimum)	..	..	..	..	19/32 in (on shortest side)
Spring pressure	..	..	..	..	17½ to 22½ oz
Minimum commutator diameter	..	..	..	..	2.95 in
Weight	..	..	..	..	29 lb

RESTRICTED

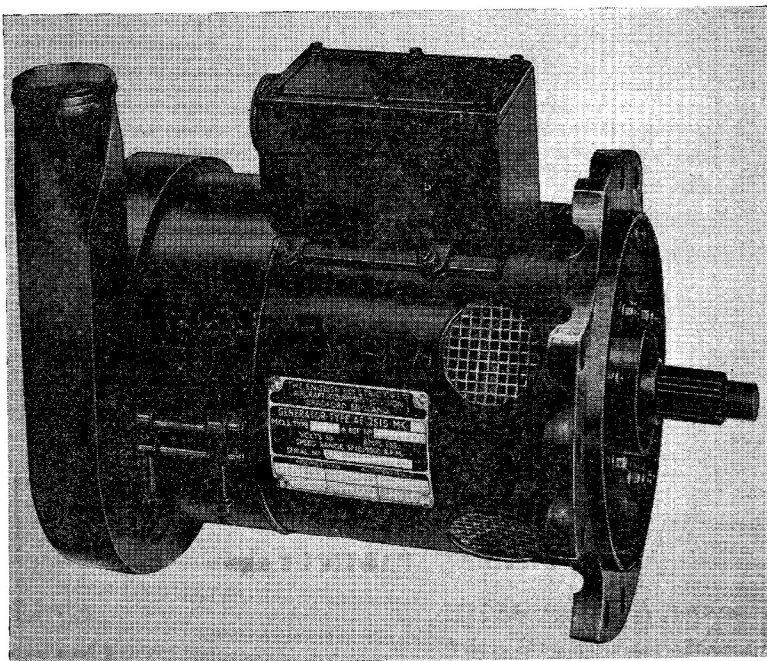


Fig. 1 Generator, Type AE2515

Introduction

1. The generator, Type AE2515 is electrically identical to the Type 523 (AE2506). A full description, with details of servicing and testing the generator Type 523 is given in Chapter 29 of this publication. The mechanical differences between the two machines are in the construction of the drive-end endplate

and the mounting flange. The endplate has an oil seal fitted instead of a bearing cap, and as such the generator should not be run unless a jet of oil is directed at the oil seal. The mounting flange has four equally spaced cutaways on this machine, as opposed to two on the Type 523 generator, consequently the number of mounting holes are reduced to twelve on this machine.