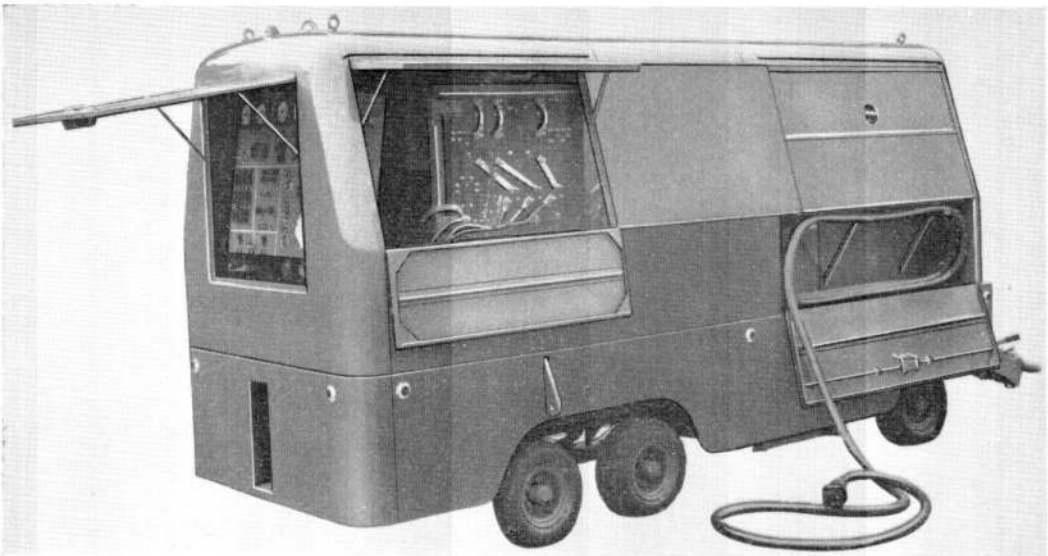
ELECTRICAL SERVICING TROLLEY, 60 K.V.A./10kW (AUTODIESEL TYPE)



Ref. No. ... ... 4*F*/2461 (*Engine driven*)
4*F*/2462 (*Elect. motor driven*)

Dimensions ... ... *Length* 13 *ft.* 3 *in.*
(17 *ft.* 7 *in. with towbar extended*)
Width 5 *ft.*, *Height* 7 *ft.*

Associated publication *A.P.*4343*S*, *Vol.* 1, *Sect.* 23, *Chap.* 27

BRIEF DESCRIPTION

This trolley is designed to supply a.c. and d.c. power for the servicing of aircraft electrical and radio equipment. The generating set comprises a Leyland vertical diesel engine, or a 92 h.p. slip-ring induction motor operating from a 415V, 50 c/s, 3-phase supply, driving a salient pole, rotating field type a.c. generator and a 4-pole shunt wound d.c. generator.

The 60 kVA a.c. output frequency is controlled at 400 c/s by the constant engine speed of 1500 rev/min; the voltage is maintained at 200V $\pm 2\frac{1}{2}\%$ by an a.c. regulator incorporating a saturable reactor. The 10 kW d.c. output voltage is controlled at 28 volts within $2\frac{1}{2}\%$ by a carbon pile regulator. Both outputs are available simultaneously and the ratings are continuous.

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