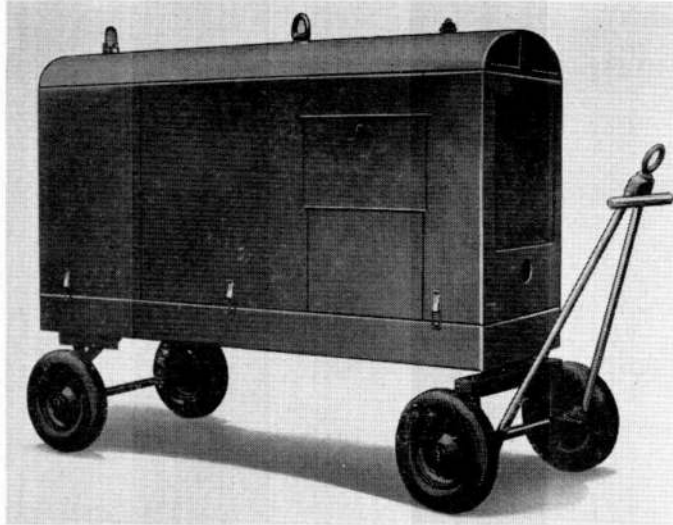


## ELECTRICAL GROUND POWER SUPPLY UNITS, 6 and 15 kW (Naval)



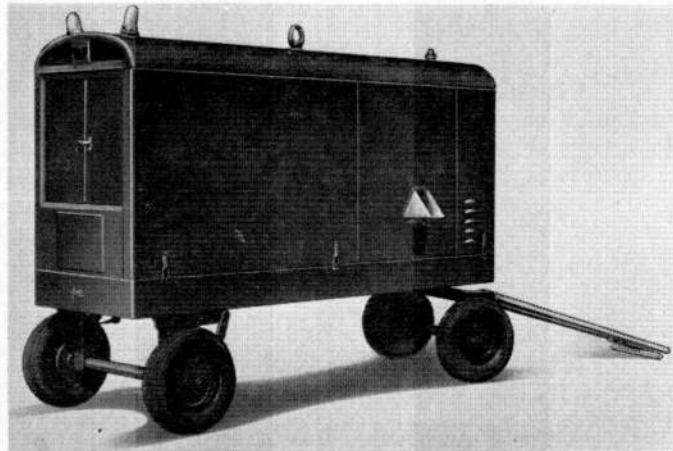
<i>Admiralty Pattern No.</i>	...	<i>S.M.T. No. 96 (b) and (d)</i>
<i>Associated publication</i>	...	<i>A.P.4343S, Vol. 1. Sect. 23, Chap. 15 &amp; 16</i>
<i>Output</i>	...	<i>6 and 15 kW. both at 28 volts</i>
<i>Dimensions</i>	...	<i>6 kW. Length 7 ft. 3 in., Width 3 ft., Height 5 ft. 6 in. 15 kW. Length 9 ft. 8 in., Width 4 ft. 2 in., Height 6 ft. 4 in.</i>
<i>Weight</i>	...	<i>6 kW. 14 cwt. 2 qtrs. 15 kW. 1 ton, 5 cwt. 1 qtr.</i>

### BRIEF DESCRIPTION

The two ground supply power units are used for the servicing of electrical equipment in naval aircraft at stations where a 3-phase mains supply is available.

The generating set of the 6 kW. trolley comprises a 10 b.p.h. 415V., 3-phase, 50 c/s, squirrel cage motor coupled to a compound wound generator. A similar type motor of 24 b.h.p. drives the 15 kW. generator of the larger trolley. The output voltages of both sets can be set within the range 28 to 32 volts by means of a field rheostat.

The a.c. motors are controlled by triple-pole circuit breakers and star-delta starters whilst the generator output is taken through d.c. control circuits to terminal boards below the control panels on each trolley.



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