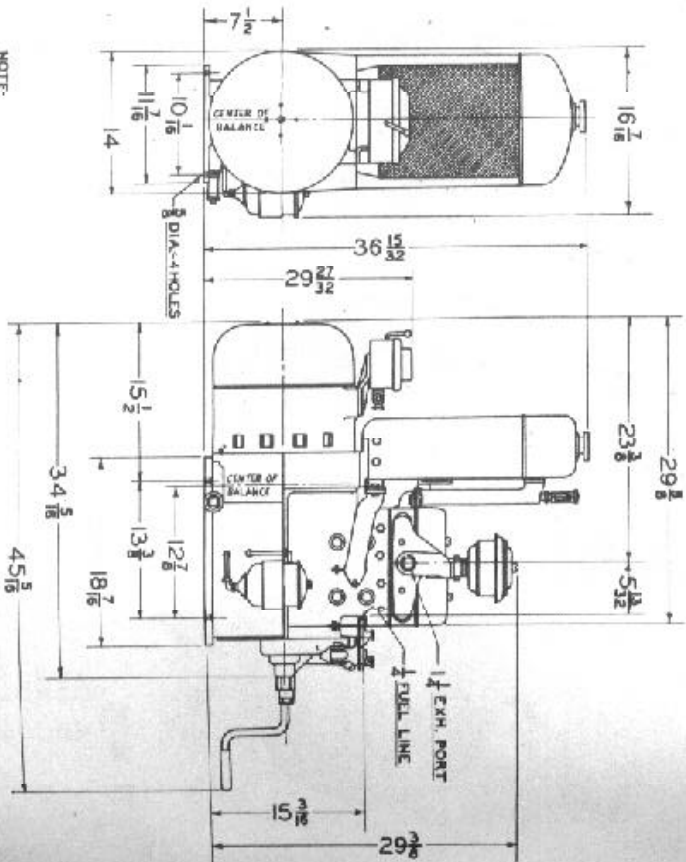


**1. Generator.** The generator is a shunt-wound, self-excited, 110-volt, 60-cycle, single-phase ac-type, with a 1,500-watt output. The generator armature shaft is directly connected to the engine crankshaft. The generator is equipped with capacitors to reduce radio interference.

**2. Switchbox.** On units equipped with magneros having ground button, the switchbox (mounted on the generator end) contains a manual OFF-ON knife switch for controlling the output to the external load, plus two 30-ampere plug-type fuses. A field resistance coil is mounted on the outside of the box. Kohler units equipped with magneros without ground buttons have, in addition to knife switch, fuses, and field resistance, an ignition ground switch and an exciter switch mounted in the switchbox. The wiring diagrams in figures 18 and 19 show the



**NOTE:**  
TOTAL WEIGHT - 487 LBS.  
WT. AT EACH FRONT MOUNTING HOLE - 10.5 LBS.  
WT. AT EACH REAR MOUNTING HOLE - 238 LBS.  
DIMENSION FOR MODEL  
IWB PLANI - DWG 0-600-M

TL-90703

Figure 3. Outline Dimensional Sketch.

difference between the switchboxes. The switchbox used with the ground-button-equipped magnero is shown mounted on the unit in figure 1. The insert shows the switchbox used when equipped with ignition ground switch and exciter switch.

**1. Tools.** A complete listing of tools furnished with the 1½-KVA Kohler unit follows: (numbers are Kohler part numbers):

Ball-peen hammer (151194).	6-inch pliers (151195).
Carburetor jet wrench (SS-213).	Feeler-gauge (B-913).
Screwdriver (151196).	Valve-feeler gauge: size (D-914).
Two "S" wrenches (A-838, B-909).	Double-end wrench (A-849).
Spark plug wrench (D-831).	Socket wrench (A-827).
Socket wrench with six sockets (½ to 1-inch size) (151193).	Magnero point gauge (153904).

### 3. DIMENSIONS AND WEIGHTS.

The overall dimensions and weight of the unit, less exhaust fittings and fuel tank, are shown in figure 3. Export weight is 880 lbs. Export volume is 28 cubic feet.

## PART TWO INSTALLATION

### 4. FOR USE WITH RADIO SET SCR-291-(R).

**a. General.** Shelter HO-19 is provided for housing the 1½-KVA Kohler unit when it is used with various models of Radio Set SCR-291. This shelter is constructed of wood, with removable sides and ends to permit access to the unit for servicing. The shelter is designed to hold two Kohler units, side by side, one of which can be kept in reserve. The removable side panels of Shelter HC-19 are fitted with rain-proof ventilation ports opposite the radiator end of each of the two power unit locations in the shelter. Wooden air chutes included with the shelter can be installed around each of these ventilating ports to conduct fresh air direct to the radiator of each unit for proper ventilation.

**b. Installation in Shelter HO-19.** To install the Kohler unit in Shelter HO-19, remove the sides of the shipping crate, leaving the crate base bolted to the engine base. The unit can then be slid onto the floor of the shelter. Four wooden planks bolted to the floor of the shelter hold the planks of the crate base in place to prevent the unit from sliding laterally due to engine vibration.