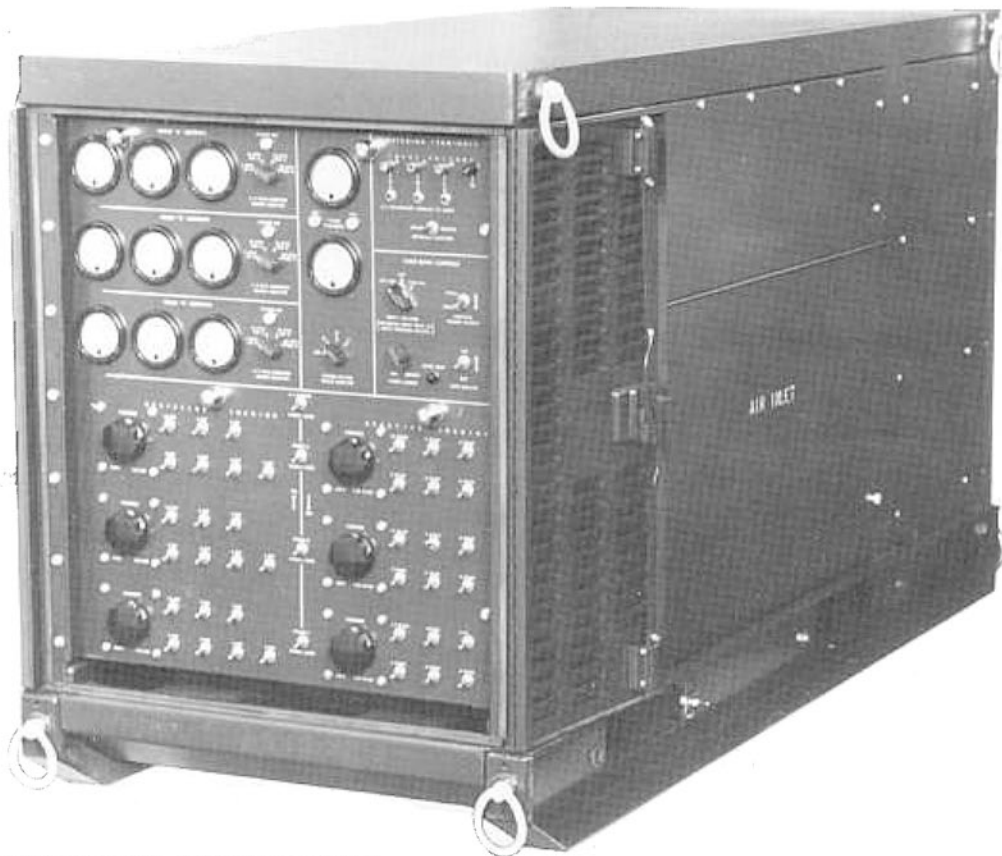


TECHNICAL DATA SHEET

COGNIZANT SERVICE: U.S.M.C. NATIONAL STOCK NUMBER: 6115-00-471-0223 SPECIFICATION:	ITEM NAME: Load Bank, 0-100 KW, 0-90 KVAR MODEL NO: A578 FUNCTIONAL CLASSIFICATION:
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STATUS OR TYPE OF CLASSIFICATION:	U.S.A.	U.S.N.	U.S.A.F.	U.S.M.C.
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MANUFACTURERS NAME AND CODE: Essex Electro Engineers, Inc., Schaumburg, Illinois 60193 - 21269.



OVERALL DIMENSIONS AND WEIGHT:

Length: 87-1/4 inches Depth: 36 inches Height: 45 inches Weight: 2,012 pounds

FUNCTIONAL DESCRIPTION:

The Essex Load Bank, Model #A578, provides simulated electrical loads, both resistive and reactive, for checking the performance of 60 and 400 cycle generators.

The Load Bank is a self-contained, forced air cooled, transportable, skid mounted unit, suitable for indoor and outdoor use. The unit contains all the necessary instruments, controls and electrical power absorbing equipment for testing AC generators. The unit utilizes the power source under test to furnish the control power which is measured as part of the load.

The Load Bank can check both 60 Hz and 400 Hz generators. It has a maximum rating of 100 KW, 90 KVAR, 120/208 volts, or 240/416 volts, 3 phase, 4 wire.

The Load Bank basically consists of resistive elements and reactors which are arranged in load increments. The load increments are controlled by control panel switches and power contactors. All resistive elements and reactors are forced air cooled by a fan driven by a 28 VDC motor. The control power for the relays, contactors and fan motor is derived from the power source being tested, and is

