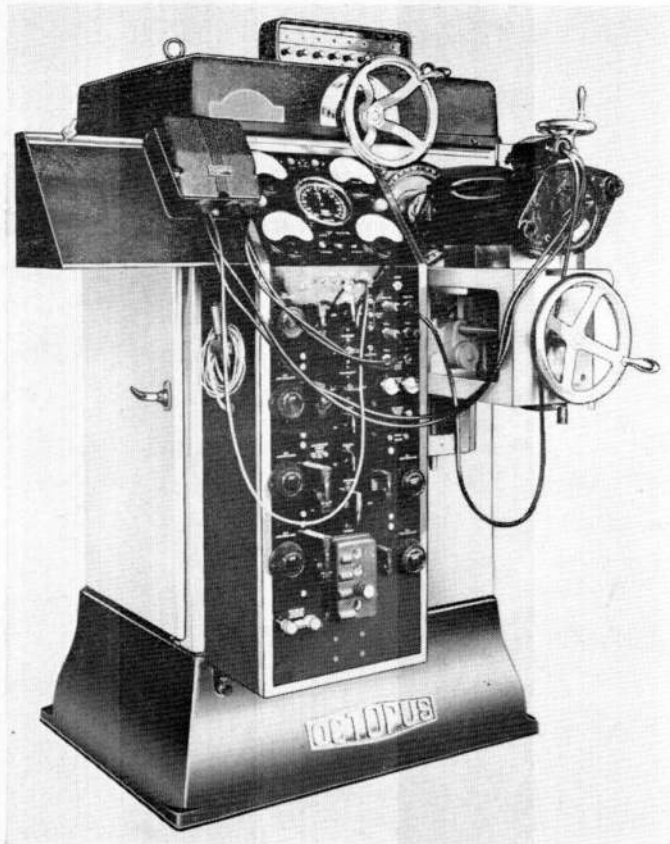


OCTOPUS, 5 h.p. ELECTRICAL TEST BENCH



Ref. No. 16C/5291
Dimensions Height 5 ft. 3 in., Width 3 ft., Depth 4 ft. 6 in.
Weight 9 cwt.
Associated publication A.P.4343S, Vol. 1, Sect. 12, Chap. 1

BRIEF DESCRIPTION

The Octopus test bench is designed to test a variety of Mechanical transport electrical equipment including generators, starter motors, magnetos and coil ignition components, cut-outs, voltage regulators and ammeters.

The tester comprises a 5 h.p. 400 V. 3-phase, 50 c/s squirrel cage motor connected to the mains supply through a direct-on-line contactor and a reversing switch. The motor drives a variable speed assembly from which output shaft speeds ranging between 45 and 4,500 r.p.m. are obtainable through adjustable cone pulleys controlled by a handwheel. An eight-point annular spark gap is provided for magneto testing, a rotary spark gap for distributor and cam accuracy checks and a contact breaker for use during ignition coil tests. Ammeters are tested by comparing their indications with those of the output ammeter on the control panel.

A pair of test prods connected across one phase of the supply through a double-pole switch and two 15 watt test lamps are intended for testing the insulation and electrical continuity of equipment. An adjustable table at the front of the test bench carries the equipment under test whilst the control gear is mounted on a central panel together with a voltmeter, three ammeters and a tachometer which indicates the speed of the output shaft.

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