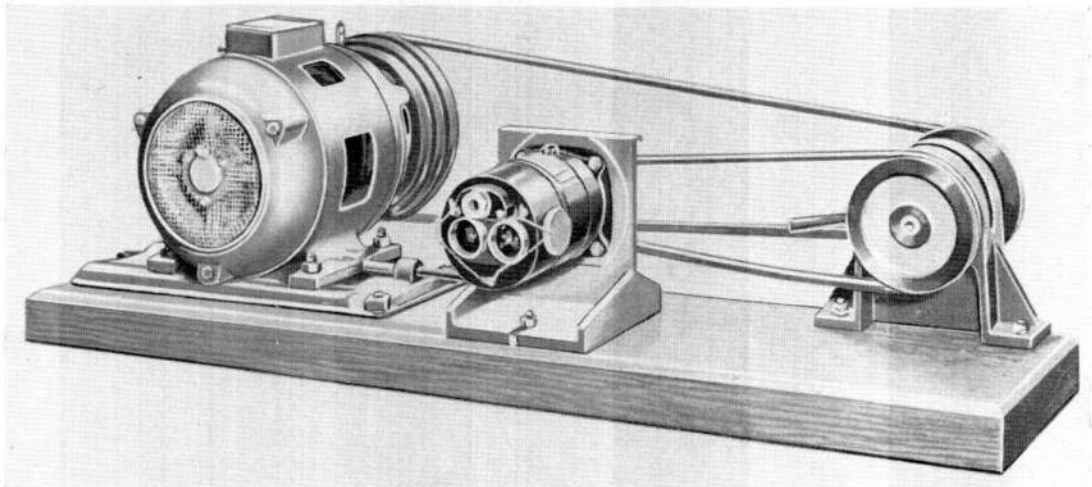


GENERATOR TESTER, BENCH TYPE



Ref. No. ... { 5G/2057 (230 V., S.P. 50 c/s motor)
5G/2029 (400 V., 3-phase, 50 c/s motor)

Dimensions ... 56 in. × 14 in. × 2 $\frac{7}{8}$ in. (wooden bedplate)

BRIEF DESCRIPTION

This tester provides facilities for the testing of aircraft generators and rotary transformers up to 1,500 watts at speeds of 4,000, 5,000 and 6,000 r.p.m. The tester comprises a 3 h.p. 1,400 r.p.m. squirrel cage motor which drives the generator under test through vee-beltting and a countershaft, the complete assembly being mounted on a wooden base. A triple-grooved pulley, keyed to the shaft of the motor, is connected by a vee-belt to a similar but smaller pulley on the countershaft which also carries a double-grooved pulley through which the final drive is taken to the generator pulley by a double vee-belt.

The three generator speeds are obtained by fitting the motor belt on the various grooves of the stepped pulleys on the motor and countershaft; the highest speed is obtained with the belt in the outer groove. The tension of the belt is adjustable by moving the motor on the slide rails to which it is secured by four bolts.

Both single-phase and three-phase motors are available for use with the tester. The single-phase motor has running and starting windings and is operated in conjunction with a drum-type resistance starter; the three-phase motor is connected to the mains supply through a star-delta starter. Reversing switches are provided for each type of motor.

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