

the power curve of the generator/motor across different loads.

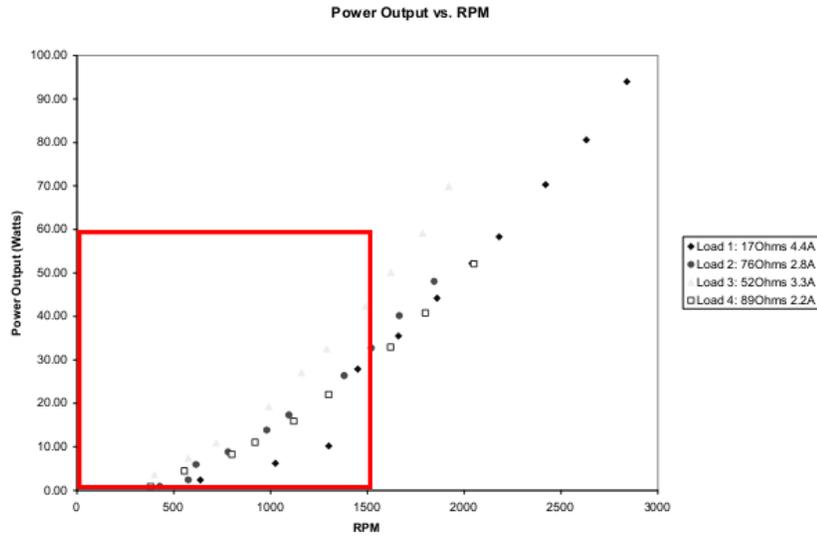


Figure II.VI.a: Power Output Curves for Generator

To develop these power curves, the generator was connected to the shaft of another generator and then spun. From this, the volts and amps produced were measured. To see how the generator reacted under different loads, various resistances were placed into the circuit. To find the RPM of the shaft, a strobe light was connected and adjusted the light pulse until the shaft appeared to stand still. The reading on the strobe light indicated the RPM of the shaft. The schematic of the test circuit may be seen in Figure II.VI.b below.

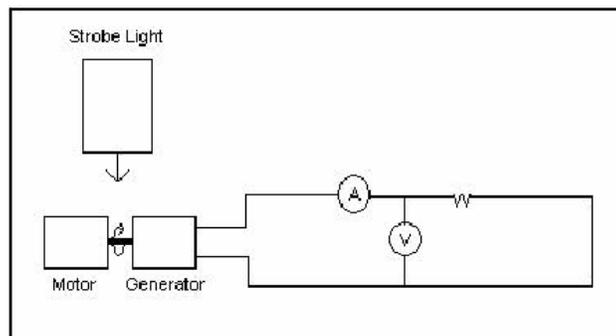


Figure II.VI.b: Test Circuit Schematic