| Date | | RPM | Revs/sec | Ft/sec | Grams | Force (lbs) | Energy ft-lbs/sec | HP | Watts | Volts | Amps | Power | Eff % | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Series Coil | | | | | | | | | | | | | | |
| 11/28/2017 | | 4605 | 76.75 | 10.05 | 110 | 0.242 | 2.43 | 0.004426 | 3.30 | 24 | 0.53 | 12.72 | 25.9 | Same |
| | | 4212 | 70.20 | 9.19 | 185 | 0.407 | 3.74 | 0.006808 | 5.07 | 24 | 0.63 | 15.12 | 33.5 | Big Al |
| | | 3818 | 63.63 | 8.33 | 265 | 0.584 | 4.86 | 0.00884 | 6.59 | 24 | 0.77 | 18.48 | 35.6 | AC am |
| | | 3490 | 58.17 | 7.61 | 365 | 0.804 | 6.12 | 0.01113 | 8.29 | 24 | 0.94 | 22.56 | 36.8 | |
| | | 5100 | 85.00 | 11.13 | 0 | 0.000 | 0.00 | 0 | 0.00 | 24 | 0.43 | 10.32 | 0.0 | No Loa |
| 8/15/2018 | 53 | 9395 | 156.58 | 20.50 | 0 | 0.00 | 0.00 | 0.000 | 0.00 | 24 | 0.88 | 21.12 | 0.00 | Bifilar Coi |
| BiFilar Coil | | 8390 | 139.83 | 18.30 | 110 | 0.06 | 4.43 | 0.008 | 6.01 | 24.01 | 1.12 | 26.89 | 22.34 | Rotor2.5. |
| | | 7541 | 125.68 | 16.45 | 185 | 0.10 | 6.70 | 0.012 | 9.08 | 24.1 | 1.33 | 32.05 | 28.33 | Small TR |
| | | 6795 | 113.25 | 14.82 | 265 | 0.15 | 8.65 | 0.016 | 11.72 | 24 | 1.58 | 37.92 | 30.91 | Big Reeds |
| | | 5572 | 92.87 | 12.16 | 365 | 0.20 | 9.77 | 0.018 | 13.24 | 24.03 | 1.93 | 46.38 | 28.54 | |
| | | 9399 | 156.65 | 20.51 | 0 | 0.00 | 0.00 | 0.000 | 0.00 | 24.05 | 0.9 | 21.65 | 0.00 | |

**This set of experiment data demonstrates, for comparison purposes, the changes effected by the Bifilar wiring configuration. Each of the original ZFM coils is a 4 strand AWG#20 wire with a total series resistance of about 2.9 ohms, with a total series resistance of 5.8 ohms for both. The bifilar mode takes the individual coil's 4 strand series wiring set and splits it into two strand sets wired in parallel for each coil – the effective measured resistance is just under 1.7 Ohms for both bifilar coils when they are wired in series. This experimental demonstration is instructive! YIS 8/15/18**