|   | MOTOR   | VOLTAGE        | PROPELLER  | THROTTLE          | AMPERAGE        | POWER        | RINPUT       | TH            | RUST OUT        | PUT            | EST. THI       | RUST AT SE       | ALEVEL*        | RPM          | TORQUE       | Efficiency     |
|---|---------|----------------|------------|-------------------|-----------------|--------------|--------------|---------------|-----------------|----------------|----------------|------------------|----------------|--------------|--------------|----------------|
| 1898  | VERSION | LiPO [V]       | SIZE       | 25.00%            | 1.5             | 39           | 0.05         | 598           | 5.87            | 1.32           | 656            | 6.44             | 1.45           | 1070         | 0.19         | 15.42          |
| 1866  |         |                | DUAL-EDN   | 50.00%<br>62.50%  | 5.1<br>8.3      | 129<br>208   | 0.17         | 1741<br>2508  | 17.08<br>24.60  | 3.84<br>5.53   | 1909<br>2750   | 18.73<br>26.98   | 4.21<br>6.07   | 1780<br>2130 | 0.52         | 13.54<br>12.06 |
|   |         |                |            | 87.50%            | 17.8            | 450          | 0.60         | 4129          | 40.51           | 9.11           | 4529           | 44.43            | 9.99           | 2800         | 1.30         | 9.19           |
| 1865  |         |                |            | 25.00%            | 1.7             | 43           | 0.06         | 690           | 6.77            | 1.52           | 757            | 7.43             | 1.67           | 1010         | 0.24         | 15.93          |
| March   |         |                | TRIPLE-EDN | 62.50%            | 10.7            | 268          | 0.36         | 2869          | 28.14           | 6.33           | 3146           | 30.86            | 6.94           | 2060         | 1.03         | 10.69          |
| 1969  |         |                |            | 87.50%            | 23.0            | 580          | 0.78         | 4809          | 47.18           | 10.61          | 5274           | 51.74            | 11.63          | 2700         | 1.70         | 8.30           |
| Column  |         |                |            | 25.00%<br>37.50%  | 1.9<br>4.0      | 47<br>100    | 0.06         | 827<br>1607   | 8.11<br>15.77   | 1.82<br>3.54   | 1763           | 8.89<br>17.29    | 3.89           | 1010<br>1370 | 0.26         | 16.15          |
| Part  |         |                | DUAL-EDN   | 62.50%            | 11.4            | 286          | 0.38         | 3330          | 32.67           | 7.34           | 3652           | 35.83            | 8.05           | 2050         | 1.14         | 11.63          |
| Ministry   1,750  |         |                |            | 87.50%            | 24.7            | 622          | 0.83         | 5494          | 53.89           | 12.12          | 6025           | 59.10            | 13.29          | 2660         | 1.91         | 8.83           |
| Part   |         |                | TRIPLE-EDN | 37.50%            | 5.0             | 125          | 0.17         | 1700          | 16.68           | 3.75           | 1865           | 18.29            | 4.11           | 1320         | 0.70         | 13.55          |
| March   Marc  |         |                |            | 62.50%            | 14.9            | 375          | 0.50         | 3909          | 38.35           | 8.62           | 4287           | 42.06            | 9.46           | 1980         | 1.50         | 10.41          |
| 1966   1975   1976   |         |                |            | 100.00%           | 41.1            | 1035         | 1.39         | 7607          | 74.62           | 16.78          | 8342           | 81.84            | 18.40          | 2780         | 2.95         | 7.35           |
| Column   C  |         |                | DUAL-EDN   | 37.50%            |                 | 143          | 0.19         | 1791          | 17.57           | 3.95           | 1964           | 19.27            | 4.33           | 1830         | 0.56         | 12.48          |
|   |         |                |            | 62.50%<br>75.00%  | 18.9            | 419<br>635   | 0.56         | 3882<br>5241  | 38.08<br>51.41  | 8.56<br>11.56  | 4257<br>5747   | 41.77<br>56.38   | 9.39<br>12.67  | 2710<br>3130 | 1.23         | 9.26<br>8.25   |
|   |         |                |            | 100.00%           | 35.3            | 1184         | 1.59         | 7915          | 77.65           | 17.46          | 8680           | 85.15            | 19.14          | 3840         | 2.45         | 6.68           |
| Marches   1965  |         |                | TRIPLE-EDN | 37.50%<br>50.00%  | 5.5<br>9.9      | 184<br>331   | 0.25         | 2147<br>3373  | 21.06<br>33.09  | 4.74<br>7.44   | 2355<br>3699   | 23.10<br>36.28   | 5.19           | 1770         | 0.75<br>1.15 | 11.64          |
|   |         |                |            | 75.00%            | 24.3            | 818          | 1.10         | 6290          | 61.70           | 13.87          | 6898           | 67.67            | 15.21          | 3000         | 2.18         | 7.69           |
| March   Marc  |         |                |            | 100.00%           | 45.2            | 1520         | 2.04         | 9359          | 91.81           | 20.64          | 10264          | 100.69           | 22.64          | 3670         | 3.15         | 6.16           |
| Part  |         |                | DUAL-EDN   | 37.50%<br>50.00%  | 5.8<br>10.7     | 196<br>360   | 0.26         | 2519<br>3855  | 24.71<br>37.82  | 5.56<br>8.50   | 2763<br>4228   | 27.10<br>41.47   | 6.09<br>9.32   | 1760<br>2190 | 0.84<br>1.30 | 12.86<br>10.71 |
|   |         |                |            | 75.00%            | 26.5            | 892          | 1.20         | 6820          | 66.91           | 15.04          | 7480           | 73.38            | 16.50          | 2960         | 2.36         | 7.65           |
| Marting   Mart  |         |                |            | 100.00%<br>25.00% | 49.0<br>3.4     | 1647<br>114  | 2.21<br>0.15 | 10198<br>1517 | 100.05<br>14.88 | 22.49<br>3.35  | 11185<br>1664  | 109.72<br>16.32  | 24.67<br>3.67  | 3600<br>1270 | 3.53<br>0.62 | 6.19<br>13.28  |
| COOL   7.000  |         |                |            | 50.00%            | 14.1            | 472          | 0.63         | 4498          | 44.13           | 9.92           | 4933           | 48.39            | 10.88          | 2110         | 1.71         | 9.53           |
|   |         |                |            | 75.00%            | 33.2            | 1116         | 1.50         | 7803          | 76.55           | 17.21          | 8558           | 83.95            | 18.87          | 2830         | 3.01         | 7.00           |
|   |         |                |            | 25.00%            | 2.7             | 113          | 0.15         | 1507          | 14.79           | 3.32           | 1653           | 16.22            | 3.65           | 1630         | 0.45         | 13.39          |
|   |         |                | DUAL-EDN   | 50.00%            | 10.7            | 447          | 0.60         | 4129          | 40.51           | 9.11           | 4529           | 44.43            | 9.99           | 2740         | 1.25         | 9.23           |
| 25.00%   3.5   165   263   260   263   373   264   1839   260   260   261   11.05   |         |                |            | 75.00%            | 26.0            | 1093         | 1.47         | 7491          | 73.49<br>94.08  | 16.52          | 8216           | 80.59            | 18.12          | 3720         | 2.36         | 6.85           |
| NORTH   1975   19.00   16.0   |         |                |            | 25.00%            | 3.5             | 145          | 0.19         | 1690          | 16.58           | 3.73           | 1854           | 18.19            | 4.09           | 1600         | 0.61         | 11.63          |
| CREATER   1.00  |         |                | TRIPLE-EDN | 50.00%            | 14.0            | 586          | 0.79         | 4909          | 48.16           | 10.83          | 5384           | 52.82            | 11.87          | 2660         | 1.68         | 8.37           |
| 1090     |         |                |            | 75.00%<br>87.50%  | 33.8<br>47.6    | 1418<br>2000 | 1.90<br>2.68 | 8938<br>11114 | 87.68<br>109.03 | 19.71<br>24.51 | 9802<br>12189  | 96.16<br>119.57  | 21.62<br>26.88 | 3570<br>3980 | 3.09<br>3.85 | 6.30<br>5.56   |
| BOS 1-97   SO   COS   14-9  |         |                |            | 25.00%            | 3.6             | 153          | 0.21         | 1915          | 18.78           | 4.22           | 2100           | 20.60            | 4.63           | 1590         | 0.66         | 12.52          |
| B   15.00   15.12   21.22   23.00   23.01   13.04   13.12   13.25   29.73   29.01   14.14   5.77   13.00   1  |         |                | DUAL-EDN   | 50.00%<br>62.50%  | 14.9<br>24.6    | 624<br>1033  | 0.84<br>1.39 | 5328<br>7646  | 52.26<br>75.01  | 11.75<br>16.86 | 5843<br>8385   | 57.32<br>82.26   | 12.89<br>18.49 | 2610<br>3100 | 1.82<br>2.58 | 8.54<br>7.40   |
| 25.00%   47   197   0.02   227   228   513   2562   2564   563   535   0.08   115   |         |                |            | 87.50%            | 51.2            | 2152         | 2.89         | 12292         | 120.59          | 27.11          | 13481          | 132.25           | 29.73          | 3910         | 4.14         | 5.71           |
| TRIPLETON   02.30%   30.8   1292   1778   8255   80.99   13.19   90.43   8271   19.94   2500   3.26   6.39   6.39   7.20%   6.11   19.00   15.5   13.00%   12.12   24.27   12.13   13.01   13.01   13.00   12.12   24.27   12.13   13.01   13.00   13.00   12.12   24.27   12.13   13.00   1  |         |                |            | 25.00%            | 4.7             | 197          | 0.26         | 2327          | 22.83           | 5.13           | 2552           | 25.04            | 5.63           | 1530         | 0.88         | 11.81          |
| 197.000   19.1   2000   255   1306   2522   28.82   14.33   14.05   21.65   36.05   5.02   4.25   |         |                | TRIPLE-EDN | 62.50%            | 30.8            | 1292         | 1.73         | 8245          | 80.89           | 18.18          | 9043           | 88.71            | 19.94          | 2960         | 3.26         | 6.38           |
| 25.00%   2.6   133   0.18   136   131   1.2   2.5   3465   1-28   2.2   2.000   0.41   10.08   2.06   2.21   2.000   0.18   10.08   2.06   2.21   2.000   0.18   2.06   2.21   2.000   0.18   2.06   2.21   2.000   0.18   2.06   2.21   2.000   0.18   2.06   2.21   2.000   0.18   2.06   2.21   2.000   0.18   2.000   2.  |         |                |            | 87.50%            | 63.1            | 2650         | 3.55         | 13069         | 128.21          | 28.82          | 14333          | 140.61           | 31.61          | 3680         | 5.02         | 4.93           |
| Collegies   Coll  |         |                | DUAL-EDN   | 25.00%<br>37.50%  | 5.2             | 260          | 0.35         | 2366          | 23.21           | 5.22           | 2594           | 25.45            | 5.72           | 2720         | 0.68         | 9.10           |
| ## 87-90%   33.1   3667   224   5099   88.67   39.39   9913   97.24   21.86   5090   21.51   5.42   |         |                |            | 62.50%            | 14.7            | 743          | 1.00         | 5218          | 51.19           | 11.51          | 5722           | 56.13            | 12.62          | 3990         | 1.50         | 7.02           |
| No.   1.25   1  |         |                | ()         | 87.50%<br>100.00% | 33.1<br>43.3    | 1667<br>2184 | 2.24<br>2.93 | 9039<br>10990 | 88.67<br>107.81 | 19.93<br>24.24 | 9913<br>12053  | 97.24<br>118.24  | 21.86<br>26.58 | 5230<br>5690 | 2.61<br>3.12 | 5.42<br>5.03   |
| No.   Company   No.   Compan  |         |                |            | 37.50%            | 6.8             | 344          | 0.46         | 3065          | 30.07           | 6.76           | 3362           | 32.98            | 7.41           | 2640         | 0.97         | 8.92           |
|   |         |                | TRIPLE-EDN | 62.50%            | 19.7            | 993          | 1.33         | 6590          | 64.64           | 14.53          | 7227           | 70.89            | 15.94          | 3830         | 2.09         | 6.64           |
| 1968   1978   1988   |         |                |            | 100.00%           | 56.9            | 2867         | 3.84         | 12711         | 124.69          | 28.03          | 13939          | 136.75           | 30.74          | 5400         | 4.17         | 4.43           |
| 1250V   1250  |         |                | DUAL-EDN   | 37.50%            | 7.4             | 374          | 0.50         | 3360          | 32.96           | 7.41           | 3685           | 36.15            | 8.13           | 2580         | 1.08         |                |
| 100.000   |         |                |            | 62.50%<br>75.00%  | 22.5<br>34.1    | 1135<br>1717 | 1.52<br>2.30 | 7508<br>9930  | 73.65<br>97.41  | 16.56<br>21.90 | 8234<br>10890  | 80.77<br>106.83  | 18.16<br>24.02 | 3750<br>4290 | 2.38<br>3.14 | 5.78           |
| 17.506   9.8   9.8   0.66   40.0   44.18   9.93   9.99   48.45   10.89   20.0   1.48   9.12     17.506   41.0   21.00   21.00   22.00   22.7   7.46     17.506   41.0   21.00   21.00   22.00   22.0   22.00  |         |                |            | 100.00%           | 64.3            | 3242         | 4.35         | 14855         | 145.73          | 32.76          | 16292          | 159.82           | 35.93          | 5200         | 4.71         | 4.58           |
| (NOE) 75.006 43.0 21.00 21.00 11.00   |         |                | TRIPLE-EDN | 50.00%            | 18.3            | 920          | 1.23         | 6866          | 67.36           | 15.14          | 7530           | 73.87            | 16.61          | 3080         | 2.27         | 7.46           |
| 1,00,000   80.5   46.70   54.4   16004   190.95   35.66   7881   275.41   98.48   4850   5.79   4.02  |         |                |            | 75.00%            | 43.0            | 2166         | 2.90         | 11522         | 113.03          | 25.41          | 12636          | 123.96           | 27.87          | 4090         | 4.01         | 5.32           |
| Dual-Chi   Chi  |         |                |            | 100.00%           | 80.5            | 4057         | 5.44         | 16304         | 159.95          | 35.96          | 17881          | 175.41           | 39.43          | 4850         | 5.79         | 4.02           |
| COO    75.00%   45.7   2010   1.00   12723   124.81   28.06   13953   18.68   37.7   3900   43.4   5.53   45.53   18.68   37.57   19.00   4.01   5.55   4.05   12.00   17.22   17.48   39.31   19.47   19.17   4.01   17.00   6.06   4.01   4.  |         |                | DUAL-EDN   | 50.00%            | 19.2            | 965          | 1.29         | 7435          | 72.94           | 16.40          | 8154           | 79.99            | 17.98          | 3030         | 2.41         | 7.70           |
| 22.50% 3.2 186 0.25 180 17.67 3.97 3.976 1338 4.82 3260 0.51 9.70 2.97 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05  |         |                |            | 75.00%            | 45.7            | 2301         | 3.09         | 12723         | 124.81          | 28.06          | 13953          | 136.88           | 30.77          | 3990         | 4.34         | 5.53           |
| A45**8.1   \$0.00%   \$11.2   \$6.90   \$0.88   \$4792   \$47.01   \$1.00**1   \$7.00**1   \$1.90**1   \$1.30**1   \$1.20**1   \$1.00**1   \$1.50**1   \$1. |         | 58.8V<br>[145] | DUAL-EDN   | 25.00%            | 3.2             | 186          | 0.25         | 1802          | 17.67           | 3.97           | 1976           | 19.38            | 4.36           | 2360         | 0.51         | 9.70           |
| NOTESTINGS   1.50   1  |         |                |            | 50.00%            | 11.2            | 659          | 0.88         | 4792          | 47.01           | 10.57          | 5255           | 51.55            | 11.59          | 3770         | 1.32         | 7.28           |
| 22.00%   19   |         |                |            | 75.00%            | 25.0<br>35.4    | 1469<br>2080 | 1.97<br>2.79 | 8549<br>10619 | 83.87<br>104.17 | 18.85<br>23.42 | 9376<br>11645  | 91.98<br>114.24  | 20.68<br>25.68 | 5000<br>5580 | 2.41<br>2.98 | 5.82<br>5.10   |
| Act   Section   Act   |         |                |            | 25.00%            | 3.9             | 230          | 0.31         | 2092          | 20.52           | 4.61           | 2294           | 22.51            | 5.06           | 2240         | 0.72         | 9.08           |
| No.   |         |                | TRIPLE-EDN | 50.00%            | 14.7            | 864          | 1.16         | 5718          | 56.10           | 12.61          | 6271           | 61.52            | 13.83          | 3650         | 1.89         | 6.62           |
| 22.00%   42   24.8   0.33   2707   26.55   5.97   5968   29.12   6.55   23.60   0.77   0.93     37.50%   5.57   0.75   4890   47.57   1.06   9.138   5.217   17.73   1.04     120W   1459   1459   1.06   1.06   1.06   1.06   1.06   1.07   1.06   1.07     120W   1459   1.06   1.06   1.06   1.06   1.06   1.07   1.06   1.07     120W   1459   1.06   1.06   1.06   1.07   1.06   1.06   1.07     120W   1459   1.06   1.06   1.06   1.07   1.06   1.06   1.07     120W   1459   1.06   1.06   1.06   1.06   1.06   1.06   1.06     170W   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06     170W   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06     170W   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06     170W   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06     170W   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06     170W   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06     170W   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06     170W   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06   1.06     170W   1.06   1  |         |                |            | 75.00%<br>87.50%  | 33.5<br>47.6    | 1970<br>2799 | 2.64<br>3.75 | 9875<br>12074 | 96.87<br>118.44 | 21.78<br>26.63 | 10830<br>13241 | 106.24<br>129.89 | 23.88<br>29.20 | 4770<br>5320 | 3.31<br>4.04 | 5.01<br>4.31   |
| EXEMPT   1.5   2  |         |                |            | 25.00%            | 4.2             | 248          | 0.33         | 2707          | 26.55           | 5.97           | 2968           | 29.12            | 6.55           | 2180         | 0.77         | 10.93          |
| 120W   165   (UCD)   75.00%   37.5   22.66   256   11826   116.01   26.68   12970   22.723   28.60   34.00   36.5   33.6   25.00   2  |         |                | DUAL-EDN   | 50.00%            | 16.7            | 984          | 1.32         | 7053          | 69.19           | 15.56          | 7735           | 75.88            | 17.06          | 3570         | 2.17         | 7.17           |
| 25.00% 5.9 34.8 0.47 3.691 34.24 7.70 3828 27.55 8.44 2170 1.00 10.04 27.5 1.0  |         |                |            | 87.50%            | 53.4            | 3137         | 4.21         | 14598         | 143.21          | 32.19          | 16009          | 157.05           | 35.31          | 5140         | 4.62         | 4.65           |
| 275*4.89   50.00%   22.1   1301   1.74   8378   84.15   18.92   9407   92.28   20.75   3440   2.81   6.59   1781+16200   (DD)   73.00%   48.4   2848   327   13155   130.82   24.51   12390   131.55   86.88   3930   173   5.80   (DD)   73.00%   48.4   2848   327   13467   134.07   30.14   13988   147.03   31.05   4390   4.65   4.  |         |                | TRIPLE-EDN | 25.00%            | 5.9             | 348          | 0.47         | 3491<br>5939  | 34.24           | 7.70           | 3828           | 37.55            | 8.44           | 2170         | 1.06         | 10.04          |
| 87.50% 67.4 3961 5.31 16127 1582.0 355.7 17866 273.50 39.0 4810 5.64 4.07 100.00% 8.0 7.50 10.  |         |                |            | 50.00%<br>62.50%  | 22.1<br>32.6    | 1301<br>1915 | 1.74<br>2.57 | 8578<br>11115 | 84.15<br>109.04 | 18.92<br>24.51 | 9407<br>12190  | 92.28<br>119.58  | 20.75<br>26.88 | 3440<br>3920 | 2.81<br>3.73 | 6.59<br>5.80   |
| 25.00% 5.8 34.2 0.46 3999 39.14 8.80 4375 4.589 9.59 2090 1.22 11.66 37.50 1.27 7.64 1.00 6.912 6.40 1.41 17.44 7027 15.00 7.90 1.12 8.75 205*9.97 50.00% 2.2.6 13.88 1.86 946 92.85 2.027 1.0379 101.82 2.2.89 3370 2.0.6 6.82 0.4.41 17.44 0.4.50 6.5.00% 34.7 2099 2.73 12.006 17.98 2.057 10379 101.82 2.2.89 3370 2.0.6 6.82 0.4.40 1.0.00 1.  |         |                |            | 87.50%            | 67.4            | 3961         | 5.31         | 16127         | 158.20          | 35.57          | 17686          | 173.50           | 39.00          | 4810         | 5.64         | 4.07           |
| 305' 19.7   50.00%   22.6   1388   1.86   944   92.85   20.87   10379   20.182   22.89   3370   3.06   6.82   |         |                | DUAL-EDN   | 25.00%<br>37.50%  | 5.8<br>12.7     | 342<br>746   | 0.46<br>1.00 | 3990<br>6532  | 39.14<br>64.08  | 8.80<br>14.41  | 4375<br>7164   | 42.92<br>70.27   | 9.65<br>15.80  | 2090<br>2780 | 1.23<br>2.12 | 11.66<br>8.75  |
| 87.50% 71.5 4201 5.63 17677 173.41 38.98 19386 190.18 42.75 4640 6.06 4.21 100.00% 92.2 5418 7.27 18873 185.15 41.62 20698 203.05 45.65 4830 6.53 3.48  |         |                |            | 50.00%<br>62.50%  | 23.6<br>34.7    | 1388<br>2039 | 1.86<br>2.73 | 9464<br>12026 | 92.85<br>117.98 | 20.87<br>26.52 | 10379<br>13189 | 101.82<br>129.38 | 22.89<br>29.09 | 3370<br>3810 | 3.06<br>4.04 | 6.82<br>5.90   |
| 100.00%   |         | ĺ              | (KDE)      | 87.50%            | 71.5            | 4201         | 5.63         | 17677         | 173.41          | 38.98          | 19386          | 190.18           | 42.75          | 4640         | 6.06         | 4.21           |
|   |         |                |            |                   | perature: 68 de | g F   Elevat | ion: 3500'   | Relative      | Humidity: 4     | 0%   Press     | ure: 1010 h    |                  |                |              |              |                |

Tested on DC Power Supply with KDE-UAS125UVC on firmware version: D460334

Motor Edition Selected | Synchronous Rectification: Deactivated

\*Calculated thrust at sealevel for that given RPM. Power requirements will vary.