

| Description                   | Connected Load | Duty Cycle | Start        | Taxi         | Take-off     | Climb        | Cruise       | Descent      | Landing      | Pre Load Shed Power Consumed | Remaining Cruise Load After Shed | Landing Power Consumed |
|-------------------------------|----------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------------------|----------------------------------|------------------------|
|                               |                |            |              |              |              |              |              |              |              | 10 min (Amp-min)             | (Amps)                           | 5 min (Amp-min)        |
|                               |                |            |              |              |              |              |              |              |              | 10                           |                                  | 5                      |
| Anti-Collision Lights         | 0.60           | 1.00       | 0.60         | 0.60         | 0.60         | 0.60         | 0.60         | 0.60         | 0.60         | 6.00                         |                                  |                        |
| Pilot Overhead Light          | 1.00           | 0.50       | 0.50         | 0.50         |              |              |              | 0.50         |              | 5.00                         |                                  |                        |
| Copilot Overhead Light        | 1.00           | 0.50       | 0.50         | 0.50         |              |              |              | 0.50         |              | 5.00                         |                                  |                        |
| Instrument Lights             | 1.00           | 1.00       | 1.00         | 1.00         | 1.00         | 1.00         | 1.00         | 1.00         | 1.00         | 10.00                        | 1.00                             | 9.15                   |
| Landing Light                 | 2.50           | 0.50       |              |              | 1.25         | 1.25         |              | 1.25         | 1.25         |                              |                                  |                        |
| Flap Motor                    | 12.00          | 0.20       | 2.40         | 2.40         | 2.40         |              |              |              | 2.40         |                              |                                  |                        |
| Landing Gear                  | 24.00          | 0.20       |              |              | 4.80         |              |              |              | 4.80         |                              |                                  |                        |
| Fuel Pump                     | 2.00           | 1.00       | 2.00         | 2.00         | 2.00         |              |              |              | 2.00         |                              |                                  |                        |
| Pitot Heat                    | 6.55           | 1.00       | 6.55         | 6.55         | 6.55         | 6.55         | 6.55         | 6.55         | 6.55         | 65.50                        |                                  |                        |
| Hourmeter                     | 0.02           | 1.00       | 0.02         | 0.02         | 0.02         | 0.02         | 0.02         | 0.02         | 0.02         | 0.20                         | 0.02                             | 0.10                   |
| Battery Relay Coil            | 0.33           | 1.00       | 0.33         | 0.33         | 0.33         | 0.33         | 0.33         | 0.33         | 0.33         | 3.30                         | 0.33                             | 1.65                   |
| Alternator Relay Coil         | 0.33           | 1.00       | 0.33         | 0.33         | 0.33         | 0.33         | 0.33         | 0.33         | 0.33         | 3.30                         |                                  |                        |
| Alternator Field & ACU Power  | 1.90           | 1.00       | 1.90         | 1.90         | 1.90         | 1.90         | 1.90         | 1.90         | 1.90         | 19.00                        |                                  |                        |
| ACU Bus Sense                 | 0.02           | 1.00       | 0.02         | 0.02         | 0.02         | 0.02         | 0.02         | 0.02         | 0.02         | 0.20                         | 0.02                             | 0.10                   |
| Turn Coordinator              | 0.80           | 1.00       | 0.80         | 0.80         | 0.80         | 0.80         | 0.80         | 0.80         | 0.80         | 8.00                         | 0.80                             | 4.00                   |
| Annunciator Panel             | 0.30           | 1.00       | 0.30         | 0.30         | 0.30         | 0.30         | 0.30         | 0.30         | 0.30         | 3.00                         | 0.30                             | 1.50                   |
| Avionics Fan                  | 0.50           | 1.00       | 0.50         | 0.50         | 0.50         | 0.50         | 0.50         | 0.50         | 0.50         | 5.00                         | 0.50                             | 2.50                   |
| Engine and Fuel Gauges        | 1.00           | 1.00       | 1.00         | 1.00         | 1.00         | 1.00         | 1.00         | 1.00         | 1.00         | 10.00                        | 1.00                             | 5.00                   |
| Audio Panel                   | 2.50           | 1.00       | 2.50         | 2.50         | 2.50         | 2.50         | 2.50         | 2.50         | 2.50         | 25.00                        | 2.50                             |                        |
| EFIS + Weather Radar          | 24.00          | 1.00       | 24.00        | 24.00        | 24.00        | 24.00        | 24.00        | 24.00        | 24.00        | 240.00                       |                                  |                        |
| Transponder                   | 1.50           | 1.00       | 1.50         | 1.50         | 1.50         | 1.50         | 1.50         | 1.50         | 1.50         | 15.00                        | 1.50                             | 7.50                   |
| Altitude Encoder              | 0.23           | 1.00       | 0.23         | 0.23         | 0.23         | 0.23         | 0.23         | 0.23         | 0.23         | 2.30                         | 0.23                             | 1.15                   |
| Course deviation Indicator    | 0.50           | 1.00       | 0.50         | 0.50         | 0.50         | 0.50         | 0.50         | 0.50         | 0.50         | 5.00                         | 0.50                             | 2.50                   |
| #1 Nav / Comm (RX)            | 0.69           | 0.90       | 0.62         | 0.62         | 0.62         | 0.62         | 0.62         | 0.62         | 0.62         | 6.21                         | 0.62                             | 3.11                   |
| #1 Nav / Comm (TX)            | 6.00           | 0.10       | 0.60         | 0.60         | 0.60         | 0.60         | 0.60         | 0.60         | 0.60         | 6.00                         | 0.60                             | 3.00                   |
| #2 Nav / Comm (RX)            | 0.69           |            | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00                         |                                  |                        |
| #2 Nav / Comm (TX)            | 6.00           |            | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00                         |                                  |                        |
| <b>Total: Essential Loads</b> | <b>98.79</b>   |            | <b>49.53</b> | <b>49.53</b> | <b>54.58</b> | <b>45.38</b> | <b>45.13</b> | <b>45.38</b> | <b>54.58</b> | <b>451.31</b>                | <b>10.75</b>                     | <b>41.25</b>           |