

CONVERSIONS

|                               |                       |                        |                     |
|-------------------------------|-----------------------|------------------------|---------------------|
| 1 Kt = 1.1515 mph = 1.85 k/hr | 1 kg = 2.2 lbs        | 1 sq m = 10.7584 sq ft | 1hp = 550 ft lb/sec |
| 1 lb = 0.4545 kg              | 1 sq ft = 0.0929 sq m | 1 hp = 0.7457 kw       | 1hp = 75 kg-m/sec   |

**DATA for full size warbirds 1935 to 1955** [courtesy of 1/12 Scale War Birds](#)

| AlexPedashenko | Span | Length | Height | Wing   | mtow | Max | Vmax  | Remarks | Airfoil | Wing  | Powe | Eff.K  |
|----------------|------|--------|--------|--------|------|-----|-------|---------|---------|-------|------|--------|
| Aircraft       | Feet | Feet   | Feet   | Sq.ft. | lb.  | HP  | Knots | .....   | Section | Ldg.. | Ldg. | Factor |

|                               |       |       |       |       |       |      |     |                        |             |       |       |       |
|-------------------------------|-------|-------|-------|-------|-------|------|-----|------------------------|-------------|-------|-------|-------|
| ARGENTINA                     |       |       |       |       |       |      |     |                        |             |       |       |       |
| I.Ae 24 Calquin               | 53.48 | 39.35 | 11.35 | 409   | 15873 | 2100 | 237 | DH Mosquito lookalike  |             | 38.81 | 7.56  | 65.16 |
| I.Ae 30 Namcu                 | 49.17 | 37.78 | 15.95 | 381   | 19260 | 4070 | 378 | DH Hornet lookalike    |             | 50.55 | 4.73  | 82.23 |
| AUSTRALIA                     |       |       |       |       |       |      |     |                        |             |       |       |       |
| CA-1 Wirraway                 | 43.00 | 27.83 | 12.00 | 250   | 6595  | 600  | 178 | Modified NA 33         | NACA 23012  | 26.38 | 10.99 | 59.01 |
| CA-12 Boomerang               | 36.00 | 26.58 | 9.50  | 256   | 7,750 | 1200 | 257 | Radial Engine          | NACA 2315   | 30.27 | 6.46  | 65.31 |
| CA-15 Kangaroo                | 36.00 | 36.00 | 13.25 | 253   | 10674 | 2035 | 436 | 502 mph                | NACA 66xxxx | 42.19 | 5.25  | 99.85 |
| CANADA                        |       |       |       |       |       |      |     |                        |             |       |       |       |
| Gregor FDB-1 Bi-plane fighter | 28.00 | 21.67 | 9.40  | 194   | 4100  | 750  | 227 | Radial Engine retract  |             | 21.13 | 5.47  | 53.07 |
| CZECH.                        |       |       |       |       |       |      |     |                        |             |       |       |       |
| Skoda SK-V4                   | 24.94 | 18.38 | 8.16  | 90.42 | 2756  | 240  | 227 | Fighter trainer        |             | 30.48 | 11.48 | 76.92 |
| Skoda SK-257                  | 22.05 | 19.60 | 9.05  | 81.06 | 2800  | 485  | 300 | 5 built                |             | 34.54 | 5.77  | 72.08 |
| FINLAND                       |       |       |       |       |       |      |     |                        |             |       |       |       |
| VL Twister Pyorremyrsky       | 34.00 | 32.25 | 12.80 | 205   | 7291  | 1475 | 334 |                        |             | 35.57 | 4.94  | 74.26 |
| FRANCE                        |       |       |       |       |       |      |     |                        |             |       |       |       |
| Bloch MB 152                  | 34.50 | 29.83 | 13.00 | 161   | 5896  | 1080 | 278 | Radial Engine          |             | 36.62 | 5.46  | 64.95 |
| Dewoitine D 510               | 39.67 | 26.10 | 7.85  | 178   | 4253  | 690  | 217 | Open cockpit fixed U/C |             | 23.89 | 6.16  | 53.87 |
| Dewoitine D 520               | 33.50 | 28.67 | 8.17  | 172   | 6072  | 910  | 286 |                        |             | 35.30 | 6.67  | 73.88 |

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| 1 lb = 0.4545 kg              | 1 sq ft = 0.0929 sq m | 1 hp = 0.7457 kw       | 1hp = 75 kg-m/sec   |

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| AlexPedashenko                       | Span  | Length | Height | Wing   | mtow  | Max  | Vmax  | Remarks                                 | Airfoil | Wing  | Power | Eff.K  |
|--------------------------------------|-------|--------|--------|--------|-------|------|-------|---|---------|-------|-------|--------|
| Aircraft                             | Feet  | Feet   | Feet   | Sq.ft. | lb.   | HP   | Knots | .....                                   | Section | Ldg.. | Ldg.  | Factor |
| Hanriot NC-60                        | 41.98 | 28.85  | 10.26  | 228    | 8818  | 1400 | 293   | Twin<br>engined<br>twin fin<br>shoulder |         | 38.68 | 6.30  | 73.53  |
| Loire-Nieuport<br>LN-40              | 45.99 | 31.68  | 11.48  | 266    | 6224  | 690  | 205   | Reverse<br>gull wing                    |         | 23.40 | 9.02  | 61.57  |
| Morane Sournier<br>MS406             | 35.17 | 26.67  | 9.33   | 172    | 5984  | 860  | 262   | Radial<br>engine                        |         | 34.79 | 6.96  | 69.11  |
| GERMANY                              |       |        |        |        |       |      |       |   |         |       |       |        |
| Dornier Do 335<br>"Pfiel" Push Pull  | 46.15 | 45.50  | 16.42  | 414    | 21120 | 3650 | 414   | 2X1800<br>HP<br>Radial<br>Engine        |         | 51.01 | 5.79  | 99.59  |
| Focke Wulf FW<br>159                 | 40.67 | 32.80  | 12.30  | 180    | 4960  | 730  | 207   | Parasol<br>wing<br>arera<br>(est)       |         | 27.56 | 6.79  | 53.96  |
| Focke Wulf FW<br>190 A4              | 34.44 | 29.00  | 13.00  | 203    | 8580  | 1600 | 339   | Radial<br>Engine                        |         | 42.27 | 5.36  | 78.50  |
| Focke Wulf FW<br>190 D9 Dora         | 34.44 | 33.46  | 11.02  | 203    | 10626 | 1776 | 382   | Inline<br>Engine                        |         | 52.34 | 5.98  | 93.44  |
| Focke Wulf Ta<br>152H1               | 48.63 | 35.46  | 11.02  | 268    | 11500 | 1800 | 387   |   |         | 42.91 | 6.39  | 97.82  |
| Focke Wulf<br>Ta154 V1<br>"Moskito"  | 52.48 | 41.23  | 11.81  | 349    | 19470 | 3000 | 340   | 2X1500<br>HP<br>Radial                  |         | 55.79 | 6.49  | 86.62  |
| Heinkel He 100D                      | 30.83 |        |        | 155    | 5600  | 1100 | 361   |   |         | 36.13 | 5.09  | 81.45  |
| Heinkel He 219<br>Uhu                | 60.68 | 50.97  | 13.45  | 479    | 31600 | 3850 | 345   | 2x1925<br>HP<br>Radial<br>Engines       |         | 65.97 | 8.21  | 98.84  |
| Junkers JU88                         | 65.60 | 47.07  | 16.63  | 590    | 26000 | 2820 | 241   | 2x1410<br>HP<br>Radial<br>Engines       |         | 44.07 | 9.22  | 73.18  |
| Messerschmitt Me<br>109E Emil        | 32.40 | 28.34  | 7.48   | 174    | 5500  | 1100 | 308   |   |         | 31.61 | 5.00  | 68.87  |
| Messerschmitt Me<br>109F Friedrich 3 | 32.54 | 29.06  | 8.49   | 174    | 6028  | 1300 | 340   |   |         | 34.64 | 4.64  | 73.21  |
| Messerschmitt Me<br>109G Gustav      | 32.58 | 29.75  | 8.50   | 173    | 7700  | 1350 | 367   |   |         | 44.51 | 5.70  | 87.65  |

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| AlexPedashenko              | Span  | Length | Height | Wing   | mtow  | Max  | Vmax  | Remarks                 | Airfoil | Wing  | Powe  | Eff.K  |
|-----------------------------|-------|--------|--------|--------|-------|------|-------|-------------------------|---------|-------|-------|--------|
| Aircraft                    | Feet  | Feet   | Feet   | Sq.ft. | lb.   | HP   | Knots | .....                   | Section | Ldg.. | Ldg.  | Factor |
| Messerschmitt Me 110        | 53.39 | 41.55  | 13.13  | 413    | 21800 | 2700 | 319   | 2X1350 HP               |         | 52.78 | 8.07  | 90.64  |
| Messerschmitt Me 210        |       |        |        |        |       |      |       |                         |         |       |       |        |
| Messerschmitt Me 309        |       |        |        |        |       | 1750 | 392   | Tricycle u/c            |         |       |       |        |
| Messerschmitt Me 410        | 53.59 | 40.93  | 14.07  | 389    | 23430 | 3500 | 329   | 2x1750 HP               |         | 60.23 | 6.69  | 85.12  |
| GREAT BRITAIN               |       |        |        |        |       |      |       |                         |         |       |       |        |
| Baulton & Paul Defiant      | 39.36 | 29.98  | 11.18  | 250    | 8300  | 1030 | 264   | Rear turret fighter     |         | 33.20 | 8.06  | 74.94  |
| Bristol Beaufighter         | 57.79 | 41.30  | 15.91  | 503    | 21384 | 3340 | 289   | 2x1670 HP Radial Engine |         | 42.51 | 6.40  | 73.13  |
| de Havilland Mosquito FB6   | 54.12 | 44.28  | 15.25  | 454    | 19459 | 3270 | 347   | 2x1635 HP               |         | 42.86 | 5.95  | 84.65  |
| de Havilland Mosquito NF    | 54.12 | 44.28  | 15.25  | 454    | 17864 | 2920 | 330   | 2x1460 HP               |         | 39.35 | 6,12  | 81.62  |
| de Havilland DH 103 Hornet  | 45.00 | 34.50  | 14.17  | 361    | 17600 | 4160 | 411   | 2x2080 HP               |         | 48.75 | 4.23  | 84.54  |
| Fairey Battle 5             | 54.00 | 52.17  | 15.50  | 422    | 10790 | 1030 | 210   | Light bomber            |         | 25.57 | 10.48 | 67.97  |
| Fairey Fulmar               | 46.38 | 40.15  | 10.66  | 342    | 9651  | 1300 | 230   |                         |         | 28.22 | 7.42  | 62.67  |
| Fairey Barracuda            | 49.17 | 40.50  | 15.40  | 367    | 16400 | 1890 | 230   | Torpedo Bomber          |         | 44.69 | 8.68  | 67.75  |
| Fairey Firefly 1            | 44.48 | 37.59  | 13.58  | 328    | 13990 | 1730 | 275   |                         |         | 42.65 | 8.09  | 78.20  |
| Gloster Gladiator - Biplane | 32.03 | 26.99  | 10.33  | 323    | 4701  | 840  | 218   | Fixed U/C Radial Engine |         | 14.55 | 5.60  | 51.57  |
| Hawker Hurricane            | 40.02 | 31.00  | 13.12  | 257    | 7766  | 1185 | 295   |                         |         | 30.22 | 6.55  | 75.52  |
| Hawker Typhoon              | 41.53 | 31.91  | 15.25  | 279    | 11066 | 2180 | 350   |                         |         | 39.66 | 5.08  | 78.86  |
| Hawker Tempest II           | 41.00 | 34.50  | 16.08  | 302    | 11000 | 2500 | 382   | Radial Engine H14       |         | 36.42 | 4.40  | 80.13  |
| Hawker Tempest 5            | 40.97 | 33.66  | 16.07  | 302    | 11385 | 2420 | 377   |                         |         | 37.70 | 4.70  | 81.77  |

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| AlexPedashenko                        | Span  | Length | Height | Wing   | mtow  | Max  | Vmax  | Remarks                          | Airfoil     | Wing  | Powe | Eff.K  |
|---------------------------------------|-------|--------|--------|--------|-------|------|-------|----------------------------------|-------------|-------|------|--------|
| Aircraft                              | Feet  | Feet   | Feet   | Sq.ft. | lb.   | HP   | Knots | .....                            | Section     | Ldg.. | Ldg. | Factor |
| Hawker Sea Fury                       | 38.38 | 34.58  | 14.63  | 280    | 12030 | 2400 | 382   | Radial Engine<br>5 blade prop    |             | 42.96 | 5.01 | 85.52  |
| Martin Baker MB-2                     | 34.00 | 34.50  | 13.00  | 212    | 4500  | 1000 | 304   | Fixed U/C                        |             | 21.23 | 4.50 | 64.49  |
| Martin Baker MB-5                     | 35.00 | 37.75  | 14.00  | 263    | 12090 | 2340 | 390   | Contra Rot Prop                  |             | 45.97 | 5.17 | 88.65  |
| Miles M20                             | 34.58 | 30.67  | 12.25  | 180    | 6000  | 1200 | 303   | Fixed U/C<br>wt is an est        |             | 33.33 | 5.00 | 67.75  |
| Supermarine Spitfire I and II         | 36.87 | 29.92  | 11.38  | 242    |       | 1100 |       | Battle of Britain a/c            | NACA 2212   |       |      |        |
| Supermarine Spitfire MkV              | 36.87 | 29.92  | 11.38  | 242    | 6771  | 1470 | 325   | Some had clipped wings<br>32.66' | NACA 2212   | 27.98 | 4.61 | 69.75  |
| Supermarine Spitfire MkVIII           | 36.87 | 31.26  | 12.60  | 242    | 7750  | 1710 | 354   | Pointy rudder                    | NACA 2212   | 32.02 | 4.53 | 75.36  |
| Supermarine Spitfire MkXIV            | 32.66 | 32.66  | 12.60  | 231    | 9000  | 2050 | 384   | Clipped wing<br>broad rudder     | NACA 2212   | 38.96 | 4.39 | 80.46  |
| Supermarine Spiteful MkXIV            | 33.75 | 31.50  |        | 205    | 10200 | 2050 |       | Attacker wing                    | NACA lamina | 49.76 | 4.98 | 86.99  |
| Vickers Type 151 "Jockey"             | 32.50 | 23.00  | 8.25   | 150    | 3161  | 530  | 189   | Radial Engine<br>Fixed u/c       | RAF 34      | 21.07 | 5.96 | 46.16  |
| Vickers Type 279 "Venom"              | 33.00 | 25.00  | 10.00  | 198    | 4500  | 625  | 278   | Radial Engine<br>retract u/c     | RAF 34      | 22.73 | 7.20 | 74.60  |
| Westland Whirlwind                    | 45.00 | 32.25  | 10.60  | 205    | 10356 | 1750 | 313   | 2x 885                           | NACA 23015  | 50.52 | 5.92 | 76.14  |
| Westland Welkin high altitude fighter | 70.00 | 41.58  | 15.75  | 460    | 17500 | 3300 | 336   | 2X1650 HP                        |             | 38.04 | 5.30 | 77.38  |

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| AlexPedashenko              | Span  | Length | Height | Wing   | mtow  | Max  | Vmax  | Remarks  | Airfoil | Wing  | Powe<br>r | Eff.K  |
|-----------------------------|-------|--------|--------|--------|-------|------|-------|--|---------|-------|-----------|--------|
| Aircraft                    | Feet  | Feet   | Feet   | Sq.ft. | lb.   | HP   | Knots | .....  | Section | Ldg.. | Ldg.      | Factor |
| HOLLAND                     |       |        |        |        |       |      |       |  |         |       |           |        |
| Fokker D.XXI                | 36.10 | 27.75  | 9.67   | 174    | 4820  | 825  | 236   | Radial Engine<br>Fixed U/C                     |         | 27.70 | 5.84      | 57.04  |
| Fokker D23                  | 37.75 | 33.25  |        | 199    | 7590  | 1500 | 283   | Twin boom<br>push pull                         |         | 38.14 | 5.06      | 63.66  |
| Fokker G1a                  | 54.13 | 33.76  | 11.13  | 384    | 10582 | 1500 | 232   | Twin boom<br>X 2<br>Radial Engines             |         | 27.56 | 7.05      | 61.62  |
| Koolhoven FK-55             | 30.50 | 21.25  | 9.00   | 137    | 5000  | 750  | 282   | contra<br>rotating<br>props<br>wt is<br>an est |         | 36.50 | 6.67      | 72.81  |
| HUNGARY                     |       |        |        |        |       |      |       |  |         |       |           |        |
| Weiss WM-23                 | 34.76 | 35.40  | 11.60  | 253    | 7253  | 1000 | 286   | He112<br>look<br>alike                         |         | 28.67 | 7.25      | 77.02  |
| ITALY                       |       |        |        |        |       |      |       |  |         |       |           |        |
| Ambrosini S.S.4             | 40.42 | 22.10  | 8.13   | 188    | 5401  | 960  | 292   | Canard -<br>Curtiss<br>XP-55<br>look<br>alike  |         | 28.73 | 5.63      | 69.26  |
| Fiat G50 Freccia            | 36.05 | 27.19  | 9.18   | 196    | 5544  | 840  | 254   | Radial<br>Engine                               |         | 28.29 | 6.60      | 65.25  |
| Fiat G55 Centauro           | 38.87 | 30.74  | 10.24  | 227    | 8162  | 1475 | 302   |  |         | 35.96 | 5.53      | 71.04  |
| Macchi MC 200<br>Saetta     | 34.70 | 26.86  | 11.48  | 181    | 4840  | 870  | 271   | Radial<br>Engine                               |         | 26.74 | 5.56      | 63.92  |
| Macchi MC 202<br>Folgore    | 34.70 | 27.88  | 9.94   | 181    | 6622  | 1175 | 321   |  |         | 36.59 | 5.64      | 76.20  |
| Reggiane Re 2000<br>Falco   | 36.08 | 26.24  | 10.50  | 219    | 6270  | 1025 | 283   | Inline or<br>Radial<br>Engine.                 |         | 28.63 | 6.12      | 69.99  |
| JAPAN                       |       |        |        |        |       |      |       |  |         |       |           |        |
| Kawanishi N1K1-<br>J Shiden | 39.36 | 29.14  | 13.31  | 253    | 8580  | 1825 | 315   | Radial<br>Engine                               |         | 33.91 | 4.70      | 68.30  |

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|-----------------------------|-------|--------|--------|--------|-------|------|-------|------------------------------------|-----------|-------|-------|--------|
| Aircraft                    | Feet  | Feet   | Feet   | Sq.ft. | lb.   | HP   | Knots | .....                              | Section   | Ldg.. | Ldg.  | Factor |
| Kawanishi N1K2-J Shiden Kai | 39.36 | 30.65  | 12.99  | 253    | 10560 | 1825 | 320   | Radial Engine                      |           | 41.74 | 5.79  | 76.98  |
| Kawasaki Ki-45 Kai Toryu    | 49.86 | 36.08  | 12.14  | 344    | 12100 | 2160 | 290   | 2X1080 HP Radial Engines           |           | 35.17 | 5.60  | 68.64  |
| Kawasaki Ki-61 Hien (Tony)  | 39.36 | 29.32  | 12.14  | 215    | 7634  | 1175 | 313   | Inline and Radial Engines.         |           | 35.51 | 6.50  | 79.78  |
| Mitsubishi A5M 96-Shiki     | 36.08 | 24.81  | 10.62  | 191    | 3676  | 680  | 234   | Radial Engine Fixed U/C            |           | 19.25 | 5.41  | 54.41  |
| Mitsubishi A6M-2 Zero-Sen   | 39.36 | 29.92  | 10.00  | 241    | 5302  | 940  | 288   | Radial Engine                      | NACA 2315 | 22.00 | 5.64  | 68.40  |
| Mitsubishi A6M-5 Zero-Sen   | 36.10 | 29.92  | 11.48  | 229    | 6013  | 1130 | 305   | Radial Engine                      | NACA 2315 | 26.26 | 5.32  | 70.36  |
| Mitsubishi J2M Raiden       | 35.42 | 32.62  | 12.94  | 216    | 7557  | 1900 | 316   | Radial Engine                      |           | 34.99 | 3.98  | 63.02  |
| Nakajima Ki-27 97-Shiki     | 37.10 | 24.70  | 9.18   | 200    | 3630  | 710  | 248   | Radial Engine fixed U/C            |           | 18.15 | 5.11  | 56.08  |
| Nakajima Ki-43 Hayabusa     | 35.56 | 29.26  | 10.74  | 237    | 5812  | 1130 | 278   | Radial Engine                      |           | 24.52 | 5.14  | 63.05  |
| Nakajima Ki-44 Shoki        | 31.00 | 29.00  | 10.60  | 169    | 5865  | 1450 | 325   | Radial Engine                      |           | 34.70 | 4.04  | 65.36  |
| Nakajima Ki-84 Hayate       | 36.86 | 32.54  | 11.10  | 226    | 8250  | 2000 | 336   | Radial Engine                      |           | 36.50 | 4.13  | 68.24  |
| Nakajima J1N1-S Gekko       | 55.69 | 41.89  | 14.96  | 430    | 15180 | 2260 | 273   | 2x1130 hp Radial Engines           |           | 35.30 | 6.72  | 70.75  |
| LATVIA                      |       |        |        |        |       |      |       |                                    |           |       |       |        |
| VEF I-16                    | 27.00 | 24.00  |        | 123    | 3395  | 454  | 260   | All wood, fixed U/C                |           | 27.60 | 7.48  | 71.10  |
| POLAND                      |       |        |        |        |       |      |       |                                    |           |       |       |        |
| P.Z.L. P11                  | 35.21 | 23.79  | 8.83   | 193    | 3482  | 500  | 188   | Hi gull wing fix u/c Radial Engine |           | 18.04 | 6.96  | 49.61  |

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|----------------|------|--------|--------|--------|------|-----|-------|---------|---------|-------|------|--------|
| Aircraft       | Feet | Feet   | Feet   | Sq.ft. | lb.  | HP  | Knots | .....   | Section | Ldg.. | Ldg. | Factor |

|         |       |       |       |     |      |      |     |               |  |       |      |       |
|---------|-------|-------|-------|-----|------|------|-----|---------------|--|-------|------|-------|
| RUMANIA |       |       |       |     |      |      |     |               |  |       |      |       |
| IAR 81  | 32.83 | 26.79 | 11.83 | 167 | 5480 | 1100 | 343 | Radial engine |  | 32.81 | 4.98 | 76.56 |

|                         |       |       |       |     |      |      |     |                                    |  |       |      |       |
|-------------------------|-------|-------|-------|-----|------|------|-----|------------------------------------|--|-------|------|-------|
| RUSSIA                  |       |       |       |     |      |      |     |                                    |  |       |      |       |
| Ilyushin IL-2 Stormovik | 47.90 | 38.06 | 13.48 | 898 | 9240 | 1600 | 230 | Ground attack                      |  | 10.29 | 5.78 | 55.27 |
| La-7                    | 32.18 | 27.98 | 9.02  | 188 | 7487 | 1775 | 359 | Radial Engine                      |  | 39.82 | 4.22 | 73.73 |
| LaGG-3                  | 32.18 | 29.10 | 8.82  | 188 | 7025 | 1100 | 301 |                                    |  | 37.37 | 6.39 | 76.07 |
| Mig-1                   | 33.78 | 26.73 | 8.50  | 189 | 7520 | 1200 | 339 |                                    |  | 39.79 | 6.27 | 84.86 |
| Mig-3                   | 33.78 | 26.73 | 8.59  | 189 | 7656 | 1350 | 353 |                                    |  | 40.51 | 5.67 | 84.06 |
| Polikarpov I-15 Biplane | 33.46 | 20.73 | 9.84  | 296 | 4180 | 750  | 200 | Radial Engine<br>Fix U/C           |  | 14.12 | 5.57 | 47.22 |
| Polikarpov I-16 Rata    | 29.52 | 20.11 | 8.40  | 159 | 4532 | 1000 | 283 | Spanish Civil War<br>Radial Engine |  | 28.50 | 4.53 | 60.25 |
| Yak-1                   | 32.80 | 27.78 | 8.66  | 185 | 6204 | 1100 | 324 |                                    |  | 33.54 | 5.64 | 76.95 |
| Yak-3                   | 30.18 | 27.88 | 7.87  | 160 | 5852 | 1222 | 350 |                                    |  | 36.58 | 4.79 | 76.59 |
| Yak-9D                  | 32.81 | 28.00 | 8.00  | 186 | 6834 | 1260 | 312 |                                    |  | 36.74 | 5.42 | 72.66 |

|                             |       |       |       |     |           |      |     |                                   |            |       |      |       |
|-----------------------------|-------|-------|-------|-----|-----------|------|-----|-----------------------------------|------------|-------|------|-------|
| SWEDEN                      |       |       |       |     |           |      |     |                                   |            |       |      |       |
| F.F.V.S. J22B               | 37.83 | 27.75 | 13.00 | 217 | 7000 est. | 1050 | 313 | Similar to FW190<br>Radial Engine |            | 32.26 | 6.67 | 80.82 |
| SAAB J21 1A-1               | 34.25 | 38.01 | 13.13 | 238 | 9100      | 1475 | 347 | Twin boom pusher                  |            | 38.24 | 6.17 | 86.19 |
| U.S.A.                      |       |       |       |     |           |      |     |                                   |            |       |      |       |
| Bell P-39 Aircobra          | 33.98 | 30.14 | 12.40 | 231 | 7975      | 1200 | 334 |                                   |            | 34.52 | 6.65 | 86.10 |
| Bell P-63 Kingcobra         | 38.31 | 32.70 | 12.56 | 247 | 8499      | 1325 | 353 |                                   | NACA 63xxx | 34.41 | 6.41 | 89.40 |
| Bell XP-77                  | 27.50 | 22.88 | 8.19  | 100 | 3670      | 520  | 287 |                                   | Lamina r   | 36.70 | 7.06 | 76.25 |
| Brewster F2A Buffalo        | 35.00 | 25.58 | 12.00 | 209 | 6964      | 1200 | 280 | Radial Engine                     |            | 33.32 | 5.80 | 67.45 |
| Chance Vaught F4U-1 Corsair | 40.90 | 33.40 | 16.07 | 314 | 11990     | 2000 | 361 | Radial Engine                     | NACA 23018 | 38.18 | 6.00 | 88.39 |
| Chance Vought               | 40.90 | 33.70 | 14.76 | 314 | 12509     | 2300 | 367 | Radial                            | NACA       | 39.84 | 5.44 | 85.59 |

CONVERSIONS

|                               |                       |                        |                     |
|-------------------------------|-----------------------|------------------------|---------------------|
| 1 Kt = 1.1515 mph = 1.85 k/hr | 1 kg = 2.2 lbs        | 1 sq m = 10.7584 sq ft | 1hp = 550 ft lb/sec |
| 1 lb = 0.4545 kg              | 1 sq ft = 0.0929 sq m | 1 hp = 0.7457 kw       | 1hp = 75 kg-m/sec   |

**DATA for full size warbirds 1935 to 1955** [courtesy of 1/12 Scale War Birds](#)

| AlexPedashenko | Span | Length | Height | Wing   | mtow | Max | Vmax  | Remarks | Airfoil | Wing  | Powe | Eff.K  |
|----------------|------|--------|--------|--------|------|-----|-------|---------|---------|-------|------|--------|
| Aircraft       | Feet | Feet   | Feet   | Sq.ft. | lb.  | HP  | Knots | .....   | Section | Ldg.. | Ldg. | Factor |

|                                   |       |       |       |     |       |      |         |                                    |            |       |      |       |
|-----------------------------------|-------|-------|-------|-----|-------|------|---------|------------------------------------|------------|-------|------|-------|
| F4U-4 Corsair                     |       |       |       |     |       |      |         | Engine                             | 23018      |       |      |       |
| Curtiss Wright 21B "Demon"        | 35.00 | 27.17 | 8.92  | 174 | 4500  | 950  | 274     | Radial Engine                      |            | 25.86 | 4.74 | 59.63 |
| Curtiss P-36 Mohawk               | 37.33 | 28.54 | 9.18  | 236 | 5720  | 1200 | 270     | Radial Engine                      |            | 24.24 | 4.77 | 58.95 |
| Curtiss P-40N Kittyhawk           | 37.33 | 33.32 | 12.33 | 236 | 8184  | 1325 | 326     |                                    |            | 34.68 | 6.18 | 81.02 |
| Curtiss XP-55 "Ascender"          | 41.00 | 29.58 | 11.00 | 328 | 7931  | 1275 | 300     | canard fighter pusher config       |            | 24.18 | 6.22 | 74.82 |
| Douglas P-70 Havoc                | 61.33 | 47.58 | 17.58 | 464 | 21000 | 3200 | 286     | 2x1600 HP Radial Engines           |            | 45.26 | 6.56 | 73.27 |
| Douglas A-26 Invader              | 70.00 | 50.66 |       | 530 | 35000 | 4000 | 312     | 2x2000 HP Radial Engines           | NACA 64xxx | 66.04 | 8.75 | 92.29 |
| Douglas AD-4 Skyraider            | 50.00 | 39.26 | 15.69 | 401 | 16667 | 3150 | 317     | Real weight lifter - Radial Engine |            | 41.56 | 5.29 | 72.92 |
| Douglas SBD Dauntless Dive Bomber | 41.55 | 33.12 | 13.59 | 325 | 10700 |      | 252 mph | empty weight 6533 lb               |            |       |      |       |
| Fisher P-75 Eagle (Gen Mtrs)      | 49.33 | 40.42 | 15.50 | 347 | 13807 | 2600 | 376     |                                    |            | 39.79 | 5.31 | 86.65 |
| Grumman F4F Wildcat               | 38.05 | 29.00 | 8.95  | 260 | 7975  | 1200 | 278     | Radial Engine                      | NACA 23018 | 30.67 | 6.65 | 71.67 |
| Grumman F6F Hellcat               | 42.64 | 33.46 | 16.07 | 334 | 12718 | 2100 | 327     | Radial Engine                      | NACA 23015 | 38.08 | 6.06 | 80.47 |
| Grumman F8F-2 Bearcat             | 36.50 | 28.50 | 13.50 | 297 | 9537  | 2500 | 350     | Radial Engine                      |            | 32.11 | 3.81 | 68.36 |
| Grumman XP-50 Skyrocket           | 42.00 | 32.00 | 12.58 | 304 | 10558 | 2400 | 368     | 2x1200 HP Radial Engines           |            | 34.73 | 4.40 | 77.19 |
| Grumman F7F Tigercat              | 51.50 | 45.25 | 11.00 | 445 | 13000 | 4200 | 369     | 2X2100 HP Radial Engines           | NACA 23015 | 29.21 | 3.10 | 64.92 |
| Lockheed P-38E Lightning          | 51.99 | 37.82 | 9.84  | 327 | 14315 | 2300 | 351     | 2x1150 HP                          |            | 43.78 | 6.22 | 87.57 |
| Lockheed P-38J                    | 51.99 | 37.82 | 9.84  | 327 | 21560 | 2850 | 359     | 2x1425                             |            | 65.93 | 7.56 | 98.74 |

