

## STANDARD AIRCRAFT CHARACTERISTICS

 AD-2 "SKYRAIDER" DOUGLAS

| POWER PLANT |  |  |  |
| :---: | :---: | :---: | :---: |
| NO. \& MODEL.... (1) R-3350-26m |  |  |  |
| MFR.....................Wright |  |  |  |
| SUPERCH...... 1 Stage, 2 Speed |  |  |  |
| PROP. GEAR RATIO...... 0.1375 |  |  |  |
| PROP. MFR. ..........Aero Prod |  |  |  |
| PROP. DES. NO. . . . .M20B-162-0 |  |  |  |
| NO. BL./DIA.........4/13'-6' |  |  |  |
| RATINGS |  |  |  |
| T. 0 。 | Bhp | Rpm @ | Alt. |
|  | 2,700 | 2,900 | S. L. |
| COMBAT | $3,020$ | $2,900$ | S. L. <br> $8,900^{1}$ |
|  |  |  |  |
| MIL. | 2,700 | 2,900 | 3,700 ${ }^{\circ}$ |
|  | 2,100 | 2,600 | $14,500^{\prime}$ |
| NORHAL | 2,300 | 2,600 | S. L. |
|  | 1,900 | 2,600 | 17,100' |
|  | SPEC. NO. N-836 |  |  |


| WEIGHTS |  |
| :---: | :---: |
| Loadings | 5 Lb |
| EMPTY. | 10,54 |
| BASIC | 11,040 |
| DESIGN. | .15,600..7.0 |
| COMBAT | 14,126. 7.0 |
| MAX.T.O..(Cat.).. 19,70 |  |
| (Field)..23,126*.4.5 |  |
| MAX.LD. (Smooth) .. 19,000..... |  |
| (Rough) . 16,800..... |  |
|  | Arrest.)..17,000...... |
| , (Qualif.)..15,600...... |  |
| *Tentative |  |
| All we | weights are actual. |


| FUEL AND OlL |  |  |
| :--- | :---: | :---: |
| Gal. | No. Tanks | Location |
| 380 | 1 | Fuse, S.S. |
| 150 | 1 | Ctr., Drop |
| 300 | 2 | Wing, Drop |

FUEL GRADE..... 115/145
FUEL SPEC......AN-F-48

## OIL

CAPACITY (Gals.)........... 31
GRADE...................... 1120
SPEC..................... AN-0 -8

| DIMENSIONS |
| :---: |
| WING AREA..........400 sq. ft. <br> SPAN................. $50^{8}-0^{11}$ <br> LENGTH............... $3^{1}-2^{\prime \prime}$ <br> HEIGHT.................15' - 8" <br> TREAD................. $13^{1}-11^{\prime \prime}$ <br> M.A.C.................. $8^{\prime}-4^{\text {I }}$ <br> PROP. CLEAR..................... $6^{n}$ |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

 - AN-0-8

| ELECTRONICS |
| :---: |
| RANGE RECEIVER......AN/ARC-5 |
| HOMING...........AN/ARR-2A |
| VHF............AN/ARC-1 |
| RADIOALT..........AN/APN-1 |
| IFF............AN/APX-2A |
| SEARCH RADAR.......AN/APS-4 |
|  |


| ORDNANCE |  |  |  |
| :---: | :---: | :---: | :---: |
| GUNS |  |  |  |
| $\begin{gathered} \mathrm{No} . \\ 2 \end{gathered}$ | $\begin{aligned} & \text { Size } \\ & 20 \mathrm{~mm} \end{aligned}$ | Location Wing | $\begin{aligned} & \text { Rds. } \\ & 400 \end{aligned}$ |
| BOMBS \& ROCKETS |  |  |  |
| Type | Size | Location | No. |
| HVAR | $5^{\prime \prime}$ | Wing | 12 |
| A.R. | 11.75' | Wing | 2 |
| Torp. | Mk-13 | External | 3 |
| D.B. | 325\# | External | 3 |
| Mine | 1,000\# | External | 3 |
| Mine | 2,000\# | External | 3 |
| Bomb | 500\# | External | 3 |
| Bomb | 2,000\# | External | 3 |
| FIRE CONTROLS |  |  |  |
| Sighting Sys.......Mk 1 Mod 2 |  |  |  |
| Bomb Director......AN/ASG-10A |  |  |  |
| MAX. BOMB CAP......9,000 lbs. |  |  |  |




## NOTES

All loadings include $2 \mathrm{Mk}-51$ wing bomb racks with sway bracing and fuselage bomb ejector with sway bracing. AN/APS-4 radar is carried on port side wing bomb rack for Condition (5) only.
Twelve 100 lb . bombs or twelve 250 lb . bombs can be carried at Mk-9 rocket launcher positions by replacing launchers with Mk-55 bomb racks.

Twenty gallons of ADI fluid are available for 12 minutes at combat power.
200 ft . length is required to spot 20 planes on the 96 ft . wide deck immediately aft of the forward ramp on the CV-9 class carriers.
attack combat radius formula no. b-I




