


## STANDARD AIRCRAFT CHARACTERISTICS

## AD-2Q "SKYRAIDER"

DOUGLAS
DECLASSIFIED men Acsigned


## MISSION AND DESCRIPTION

The AD－2Q model is primarily designed for use as a radar countermeasures airplane．As such it can be used for the effective search and jamming of eneny radar．This airplane has accomodation for an RCM operator in the rear as in the AD－1Q．

This modification of the AD－2 airplane can also be used for dive and glide bombing and torpedo and rocket attacks．Use of the stand－ ard Mark 51－9 Racks permits alternate installa－ tions of mines，incendiary clusters，fuel tanks and other standard external stores up to a maximum of 2,000 pounds weight．The structure and basic equipment are identical to the AD－2 except that the RCM operator＇s compartment is provided aft of the fuel tank with partial controls for the radio and complete controls for radar and radar countermeasures equipment． An entrance door（incorporating a window）for this compartment is provided on the right side of the fuselage．

| DIMENSIONS |
| :---: |
|  |



| FUEL AND OIL |  |  | MIL． <br> NORMAL | $\begin{aligned} & 2,700 \\ & 2,100 \end{aligned}$ | $\begin{aligned} & 2,900 \\ & 2,600 \end{aligned}$ | $\begin{array}{r} 3,7001 \\ 14,500^{1} \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Gel． | No．Tanks | Location |  |  |  |  |
| 0 | 1 | Fuse，S．S． |  | 2，300 | 2，600 | S．L． |
| 50 | 1 | Ctr．，Drop |  | 1，900 | 2，600 | 17，100 ${ }^{1}$ |
| 300 | 2 | Wing，Drop |  | EC．No | N－836 |  |

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

## OIL

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

## WEIGHTS






## UMCI RSEIETENOTES

> All loadings include $2 \mathrm{Mk}-51$ wing bomb racks with sway bracing and fuselage bomb ejector with sway bracing. AIf/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 laumcher 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 oi the forward ramp on the CV-9 class carriers.

ATTACK COMBAT RADIUS FORMULA NO. B-I

| WARM-UP | RENDEZVOUS | CLIMB | CRUISE-OUT | DROP TANKS | COMBAT | CRUISE-BACK | RESERVE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20 min . | 20 min . at | to | at 15,000 | DESCEND | 15 min . at | at 1,500 ft. | 60 min . at |
| $\frac{7}{2}$ Normal | Sea Level | 15000 ft . | $f t .180$ | to 1,500 ft. | 1,500 ft. 5 | 170 kts . TAs | $V$ for |
| RPM | at $60 \%$ | at Normal | kts. TAS | DROP BOMBS | min. combat |  | Max. Range at |
| TAKE-OFF | N. Pr. | Power | Normel | FIRE | and 10 min . | Normal | 1,500 ft. |
| $1 \mathrm{~min} .$ | Normel <br> Mixture | Normal <br> Mixture | Mxture | ROCKETS | N . Pr. | Mixture | Normal <br> Mxture |

## CARRIER SUITABILITY

MIFIMMM VIND OVER DECK RHGUIRED FOR CATAPULTING
VS. GROSS WEIGHT


MINIMN WIND CVER DECK REGUIRED FOR LANDING VS. GECSS WEIGHT


## NOTES

(A) These curves should be used for planning purposes only. Actual catapult and arresting gear operation should be in accordance with appliceble Aircreft Technical Orders, and Catapult and Arresting Gear Eulletins.
(B) Based on NATC flight test.


