COLUMN NUMBER		1	2	3	4		
LOADING CONDITION		COMBAT	COMBAT	COMBAT 1-TANK EXT.	OOUNTER- MEASURES 3-TANKS-EXT		
GROSS WEIGHT	LBS.	18812	18812	19854	22000		
EMPTY WEIGHT - SPECIFICATION	LBS.		14749		,		
FUEL/OIL	GALS.	360/28	360/28	510/28	810/36		
FIXED GUNS/AMMUNITION			s MK I Sight	System and ASG-1	.OA		
FLEXIBLE GUNS/AMMUNITION		NONE					
ENGINE POWER USED FOR PERFORMANCE		COMBAT	NORMAL	NORMAL	NORMAL		
	BS./SQ.FT.	37.9	37.9	40.0	44.4		
WIIVO COADIIVO	LBS./BHP.	6.5	8.6	9.0	10.0		
V-MAX. SEA LEVEL	KN.	299	263	257	244		
V-MAX./CRITICAL ALTITUDE	KN./FT.	315/11400	303/18000	295/17900	278/17700		
V- STALL GROSS WEIGHT (2)	KN,	82.8	82.8	85.1	89.6		
V-STALL. WITHOUT FUEL @	KN.	77.9	77.9	78.3	79.1		
TIME-TO-CLIMB -10000FT-	MIN.	4.0	5.4	6.0	7.3		
TIME-TO-CLIMB -20000 FT-	MIN.	9.8	11.3	12.7	17.4		
SERVICE CEILING	FT.	30,600	29,100	27,700	24,900		
TAKE-OFF DISTANCE -CALM-	FT.			644	830		
TAKE-OFF DISTANCE -15 KN-	FT.	The state of the s		417	551		
TAKE-OFF DISTANCE -25 KN-	FT.	4		291	394		
TAKE-OFF DISTANCE -50 FT. OBST.	FT.	ľ					
TAKE-OFF TIME	SECONDS				71100		
RATE OF CLIMB -SL-	FT/MIN.	2840	1860	1700	1400		
MAX. RANGE / V-AV.	N MI/KN.	400000000000000000000000000000000000000		1160/162	1680/156		
RANGE / V-AV60% NSP-3-	N MI/KN.	-					
SEARCH RADIUS / V-AV20 % R-	N MI/KN.	-					
A.S.W. RADIUS/V-AV20 % R-	N MI/KN.			320			
SCOUT RADIUS S-1	N MI.			720	450		
COMBAT RADIUS B-1	N MI. R-4360-4	/.425	THE RESIDENCE OF THE PROPERTY		4)0		
			MODICA T	T.O.			
C OMBAT	COMBAT MILITA			ALL AT VOICE AND			
3310/2700/S.L. 2900/2700/9000	2950/2700						
2900/2700/9000	2200/2550/15750						
T.O. Rating is from AEL Cali Military and Normal Ratings	DI-STATION WI	DE G-14b+4cm	rrith "Normal" Mi	xtune Control			

-	- Control of the Cont					
-	TANKAGE IN GALLONS	OIL	FUEL	OFFENSIVE ARMAMENT		
0	PROTECTED	-	360	FUSELAGE - Ext. on Douglas Bomb Ejector (alternate with		
X	UNPROTECTED	36		drop tank)		
Ē	TOTAL- FIXED INTERNAL	36	360	Bombs - 1-2000#, 1-1600#, 1-1000# or 1-500#		
3	DROPPABLE 2 @ 150 on wings		300	Depth Bombs - 1-650#, or 1-325#		
S	DROPPABLE 1 @ 150 on fuselage		150	Mines - 1-2000# or 1-1000#		
Q	SEASON CONTINUES AND THE CONTI			Torpedo - 1 MK 13-3		
	TOTAL	36	810	WINGS - Ext. (Alternate with radar and drop tanks)		
	① BHP AT MAX. CRIT. ALT. ② STALL - WITHOUT POWER ③ AT 1500! ALTITUDE			Bombs - 2-1000#, 2-500#, 2-250#, or 6-100#		
				Depth Bombs - 2-650# or 2-325#		
Las				Mines - 2-1000#		
6				Rocket Launcher - MK-9		
Z				Rockets 8-5" HVAR or 8- 5" AR		
1						

Supersedes 1 March 1947

NAVAER -15198 (REV. 2-47)

AIRPI ANE CHARACTERISTICS & PERFORMANCE BUREAU OF AFRONAUTICS NAVY DEPT

COLUMN NUMBER	- W 1 00 1 6			AERONAUTIOS, NA	T
POLONIA HOMOLIA		BOMBER			
LOADING		1-1000#			
CONDITION		1-TANK EXT.			
COMPLICIA		AN/APS-4 RADAR			
GROSS WEIGHT	LBS.	21034	1 .		
EMPTY WEIGHT - SPECIFICATION	LBS.	14749			
FUEL/OIL	GALS.	510/28			
FIXED GUNS/AMMUNITION	0712501		MK I Sight	System and ASG-	10A
FLEXIBLE GUNS/AMMUNITION	*	NONE			
ENGINE POWER					
USED FOR PERFORMANCE		NORMAL			
WING LOADING	LBS/SQ.FT.	42.4			
POWER LOADING ()	LBS./BHP.	9.6			
V-MAX. SEA LEVEL	KN	240			
V-MAX./ CRITICAL ALT.	KN./FT.	272/17600			
V-STALL GROSS WEIGHT (2)	KŃ.	87.6			
V-STALL.WITHOUT FUEL @	KN.	81.0		Andrew of the second se	
TIME-TO-CLIMB -10000FT	MIN.	6.7			
TIME-TO-CLIMB -20000 FT	MIN.	16.0			
SERVICE CEILING	FT.	25900			
TAKE-OFF DISTANCE -CALM-	FT.	754			
TAKE-OFF DISTANCE -15 KN	FT.	496	1 1		
TAKE-OFF DISTANCE -25KN,-	FT.	352			-
TAKE-OFF DISTANCE -50 FT OBST					
TAKE -OFF TIME	SECONDS				
RATE OF CLIMB -SL-	FT/MIN.	1520			
MAX. RANGE / V-AV. 3	NML/KN.	1015/152			
RANGE / V-AV60% NSP-3-	N MI./KN.		,		
SEARCH RADIUS/V-AV20 % R-	N ML/KN				
A.S.W. RADIUS / V-AV20 % R-	N MI./KN.				
SCOUT RADIUS	NMI.				
COMBAT RADIUS B.	-1 NMI.	270			

PERFORMANCE IS BASED ON Flight Tests of XRTM-1 Airplane
RANGE & RADIUS ARE BASED ON AEL FUEL CONSUMPTION DATA INCREASED

BY 15 PERCENT TO CONFORM WITH PAST EXPERIENCE.

The AM-1Q is designed to operate in the same group with standard AM-1 airplanes, but always with one
more auxiliary droppable fuel tank than the standard AM-1 airplane on the same mission in order to com-
pensate for the 140 gallon internal fuselage tank deleted in the "Q" version.
Scout Condition: Two wing bomb racks (MK 51) with sway bracing and bomb ejector (fuselage) aboard.
Sway bracing for bomb ejector aboard only in bomber conditions. AN/APS-4 radar and rocket launchers not
aboard. Addition of 12 MK-9 launchers reduces Vmax S.L. to 293 km. and Vmax/ACA to 309 km/11300 ft. at
combat power. Addition of 12-5" HVAR increases gross weight of Condition (1) to 20537# and reduces Vmax
S.L. to 274 kn and Vmax/ACA to 290 kn/11000 ft.

- 1. AN/APS-4 radar is carried on starboard bomb-rack.
- 2. 12-100# bombs on 12-250# bombs can be carried at MK-9 rocket launcher positions by replacing launchers with MK-55 bomb-racks.
- 3. 25 gallons of ADI fluid are available for 15 minutes at combat power.
- 4. 200 ft. length is required to spot 20 planes on the 96-foot wide deck immediately aft. of the forward ramp on CV-9 class carriers.

NOTES:

AIRPLANE CHARACTERISTICS & PERFORMANCE

BUREAU OF AERONAUTICS, NAVY DEPT.

BOMBER COMBAT	RADIUS FORM	ULA NO. B-1	-CONDITIONS NO	OS -4&5	RADTIIS CT.	IMB CRUISE-OUT:	CDITTOP DAG
WARM-UP	RENDEZVOUS	CLIMB	CRUISE OUT	DROP TANKS	COMBAT	CRUISE BACK	RESERVE
20 min.	20 min. at	to	*	DESCEND	15 min.	en-Allestenigg, and glinding treatments are the measure for either space	60 min.
	sea level	15000 ft.	at 15000 ft.	to 1500 ft.	at 1500 ft.	at 1500 ft.	at
TAKE-OFF	at	at		DROP BOMBS	5 min. Com. Pow.	170 kts.TAS	Vel. for
1 min.	60% N.S.P.	Norm. Pr.		FIRE	10 min. Nor.Pr.		Max.Range
	Norm. Mix.	Norm.Mix.	Norm.Mix.	ROCKETS		Norm. Mix.	Norm.Mix.

*Condition (4) - Cruise-out at 191 kn.

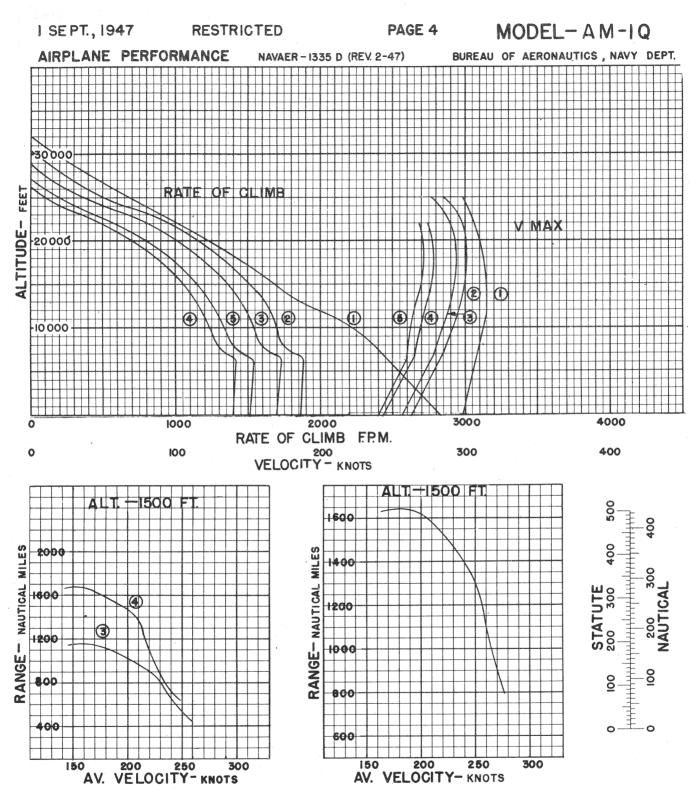
Condition (5) - Cruise-out at 186 km.

Combat radius of condition 4 limited by amount of protected fuel for use in combat and return. 137.7 gals. fuel remain in unprotected tanks when entering combat and must be dropped, used for approximately 1.5 hours search at speed for maximum range, or used to increase speed in cruise-out to approximately 264 knots.

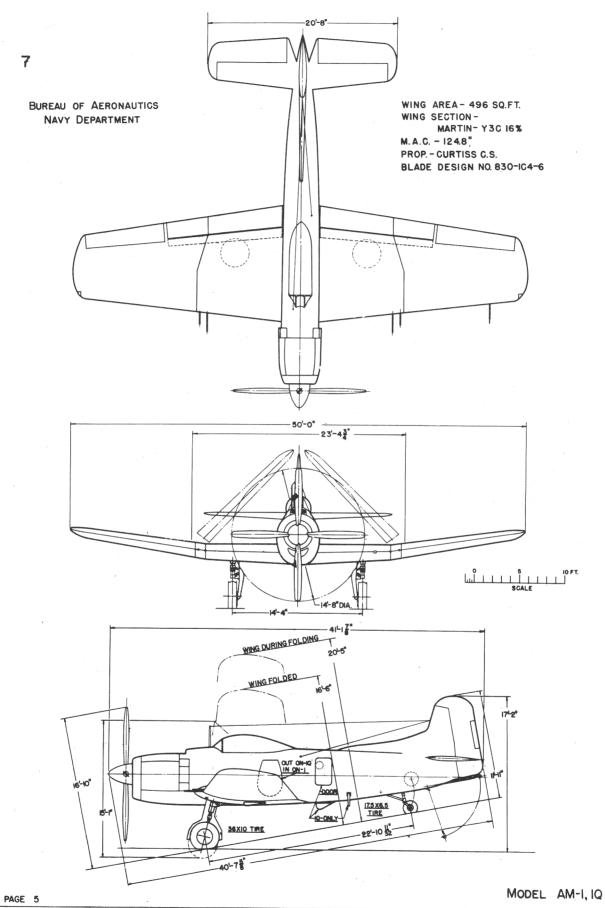
SCOUTING RADIUS FORMULA NO. S-1-CONDITIONS NOS. - 3

RADIUS IS 1/3 RANGE AT VEL. FOR MAX.RANGE AT 1500 FT. Fuel for 20 min. warm-up, 1 min.T.O. used at start of flight. Allowance for 60 min.at V.for max.range for rendezvous, landing and reserve carried entire distance Scout radius is reduced 7 n.mi. for each minute of combat power operation at 1500 ft.

No provisions are incorporated for fuel transfer from droppable to main tanks after take-off.



O LOADING CONDITION COLUMN NUMBER



I SEPT., 1947

RESTRICTED DESCRIPTIVE ARRANGEMENT

NAVAER

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MODEL AM-I, IQ

