

H.R. Oberker
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Serial No. 9

AIRPLANE CHARACTERISTICS

FOR USE WITH

BLUE AND ORANGE FLEETS,

BLUE AND RED FLEETS

AND

MANEUVER RULES

(Cancels Edition of June 1935)

DECLASSIFIED IAW DOD MEMO OF 3 MAY 1972, SUBJ:
DECLASSIFICATION OF WWII RECORDS

DEPARTMENT OF OPERATIONS

Naval War College

Newport, R. I.

June, 1936

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2/6/36

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Chief of Staff.

Naval War College
Newport, R.I.
June, 1936.

ASSIGNED TO	AIRPLANE			EQUIPMENT														LOADING CONDITION	PERFORMANCE																	
	CLASS	MODEL	TYPE	GUNS				RADIO			ATTACHMENTS FOR								SERVICE CEILING	TIME TO CLIMB TO			MAXIMUM SPEED				CRUISING SPEED				ECONOMICAL SPEED				FUEL GAL	OIL GAL
				NUMBER	CALIBER	MOUNT	ROUNDS OF AMMUNITION	NUMBER	TYPE	DAY RANGE	DIRECTION FINDER	BOMBS (CLASS)			TORPEDO	SMOKE	PARACHUTE			FLARES	5000'	15000'	AVERAGE SPEED	RANGE	ENDURANCE	FUEL CON-SUMPTION	AVERAGE SPEED	RANGE	ENDURANCE	FUEL CON-SUMPTION	AVERAGE SPEED	RANGE	ENDURANCE	FUEL CON-SUMPTION		
												1000#	500#	116#																						
FT.	MIN	MIN	KTS	KTS	HRS	gal/hr	KTS	KTS	HRS	gal/hr	KTS	KTS	HRS	gal/hr	KTS	KTS	HRS	gal/hr	KTS	KTS	HRS	gal/hr	KTS	KTS	HRS	gal/hr	GAL	GAL								
COLUMN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
CARRIERS	VF(1)	F4B-4	L	{ 1 1	30 50	Fix	600 200	1	P T	50 100	Yes	0	0	0	0	0	2 2 0	FIGHTER - Normal - Overload BOMBER, 2-116#	24800 21100 22600	2.7 3.6 3.4	10.4 14.5 13.5	160 155 155	160 310 155	1 2 1	55 55 55	120 115 115	280 530 265	2.3 4.6 2.3	24 24 24	90 90 90	320 630 320	3.5 7.0 3.5	15.7 15.7 15.7	55 110 55	4 7 4	
	VF(1)	F2F-1	L	2	30	Fix	1000	1	P T	50 100	Yes	0	0	0	0	0	0	FIGHTER	27500	2.0	7.6	200	350	1.75	63	150	615	4.1	26.5	95	820	8.6	12.8	110	9.5	
	VF(1)	F3F-1	L	{ 1 1	30 50	Fix	600 200	1	P T	50 100	Yes	0	0	0	0	0	2 0	FIGHTER BOMBER, 2-116#	29300 27700	2.7 2.9	9.5 10.5	195 190	340 330	1.75 1.75	63 63	150 145	590 560	3.9 3.9	28 28	95 95	780 740	8.2 7.8	13.4 14.0	110 110	9.5 9.5	
	VF(2)	FF-1	L	{ 1 1 1	30 50 30	Fix Flex	600 200 600	1	P T	50 100	Yes	0	0	0	0	0	2 0	FIGHTER - Normal BOMBER, 2-116#	22400 20800	4.3 4.7	14.5 16.3	175 170	360 350	2.05 2.05	58 58	130 125	580 560	4.5 4.5	27 27	90 95	630 600	7 6.3	17 19	120 120	8.5 8.5	
	VS	SU-4	L	{ 1 1	30 30	Fix Flex	500 600	1	T	200	Yes	0	0	0	0	0	2 2	SCOUT BOMBER, 2-116#	17800 13000	3.6 3.6	20.1 19.3	140 145	300 180	2.07 1.27	63 63	110 105	510 280	4.6 2.8	28 28	80 80	620 370	7.8 4.6	16.7 17.3	170 80	9 6.5	
	VSB	SEU-1	L	{ 1 1	30 30	Fix Flex	500 600	1	P T	100 200	Yes	0	0	0	0	0	2 2	SCOUT BOMBER, 1-500# or 2-116#	24800 23300	3.8 4.1	12.3 13.5	175 170	370 260	2.10 1.45	69 69	130 125	640 580	4.9 3.4	29.5 29.5	100 100	730 470	7.3 4.7	20 21	145 100	12 8	
	VBF	BF2C-1	L	{ 1 1	30 50	Fix Flex	600 200	1	P T	50 100	Yes	0	0	0	0	0	2 0	FIGHTER BOMBER, 1-500# or 2-116#	23100 22400	3.1 3.2	10.5 11.1	195 190	440 300	2.3 1.6	70 70	145 140	700 460	4.8 3.3	33 33	105 105	750 500	7.2 4.8	22 23	160 110	13 13	
	VB	BM-2	L	{ 1 1	30 30	Fix Flex	1000 600	1	P T	75 150	Yes	1 0 0	0 1 0	0 0 0	0 0 0	0 0 0	0 0 4	BOMBER 1-1000# or 1-500# SCOUT	15200 17300 17300	7.3 6.0 5.9	36.2 26.4 26.3	125 same as for 1000# 125	210 400 340	1.7 2.7	60 60	95 95	340 570	3.6 6	29 27.2	80 80	360 620	4.6 7.8	22.5 21	104 64	13 13	
	VB	BG-1	L	{ 1 1	50 30	Fix Flex	200 600	1	P T	75 150	Yes	1 0 0	0 1 0	0 4 0	0 0 0	0 0 0	2 2 2	BOMBER, 1-1000# 1-500# or 4-116# SCOUT	19100 19400 20100	6.1 5.7 5.5	21.5 20.2 19.0	165 165 165	250 400 540	1.5 2.4 3.3	68 68 68	120 120 120	430 680 920	3.6 5.7 7.7	29 29 29	100 100 100	480 750 1020	4.8 7.5 10.2	22 22 22	105 165 225	13 13 13	
	VTB	TG-2	L	{ 2	30	Flex	1700	1	P T	75 150	Yes	0 0 1	0 3 2	0 or 12 0	0 0 0	0 0 0	0 0 12	TORPEDO, 1-1740# BOMBER, 3-500# or 12-116# BOMBER, 2-500# or 1-1000# SCOUT	11600 same as for Torpedo 13000 16100	10.1 9.0 6.5	- - 35.0	110 110 115	180 290 400	1.6 2.6 3.5	62 62 62	85 90	280 450 700	3.5 5.3 7.8	30 30 28	75 75 70	300 490 770	3.93 6.5 11	25.5 24.5 20	100 160 220	15 15 15	
VTB	TBD-1	L	{ 1 1	30 30	Fix Flex	500 600	1	P T	100 200	Yes	0 0 1	0 3 2	0 or 12 0	0 0 0	0 0 0	0 12*	TORPEDO BOMBER, 3-500# or 12-116# BOMBER, 2-500# or 1-1000#	19800 21000 20300	6.2 5.6 5.9	23.6 21.4 22.7	175 175 175	210 280 390	1.2 1.6 2.2	82.2 82.2 82.2	130 135 135	340 480 660	2.6 3.6 4.9	37.3 36.7 36.4	110 110 110	350 520 720	3.2 4.7 4.6	30.1 28.5 27.4	96 133 180	8 10 12		
VJ	J2F-1**	A	1	30	Flex	600	1	P T	100 200	Yes	0	0	0	0	0	2	UTILITY, Overload	15400	4.3	29.7	150	390	2.6	72.5	110	670	6.1	31	85	800	9.5	20	190	12		

EXPLANATORY NOTES:
 Col. 1. VF(1) Single Seater Fighter
 VF(2) Two Seater Fighter
 VBF Fighter or Dive Bomber
 VP Dive Bomber
 VB(A) Sight Bomber
 VTB Torpedo Plane or Sight Bomber
 VSB Scout or Dive Bomber
 VS Scout
 VS(1) Single Seater Scout
 VJ Utility
 VPB Patrol or Sight Bomber
 VSO Scout or Observation
 Col. 3 L - Landplane
 S - Seaplane
 A - Amphibian
 B - Flying Boat
 Col. 6 Fix - Fixed Mount
 Flex - Flexible Mount
 * Without Bombs
 ** Also Tender and shore based.
 Col. 9 P - Radiophone
 T - Radio Telegraph
 Col. 16 S - Small Tank
 L - Large Tank
 Col. 34 - 1 gal. gas = 6 lbs.
 Col. 35 - 1 gal. oil = 7.5 lbs.