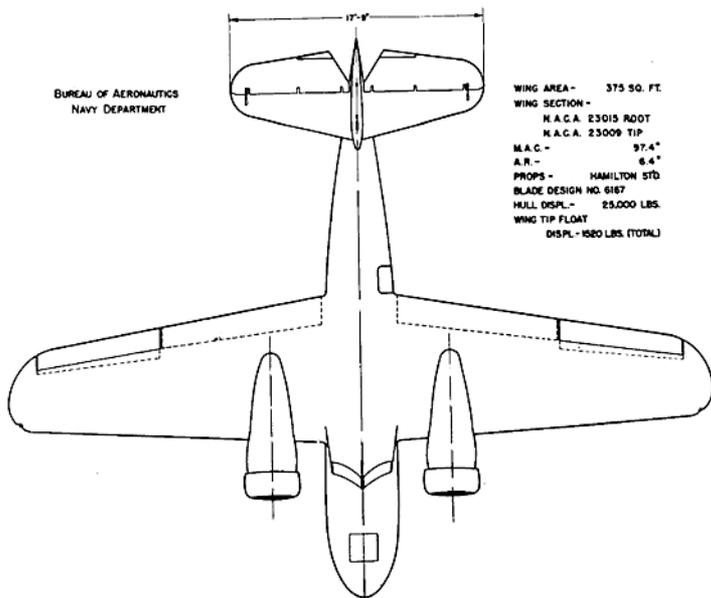
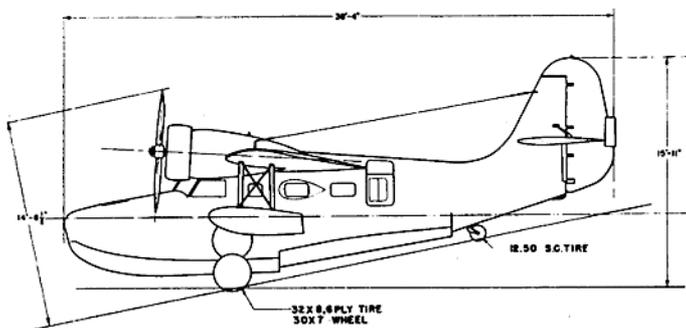
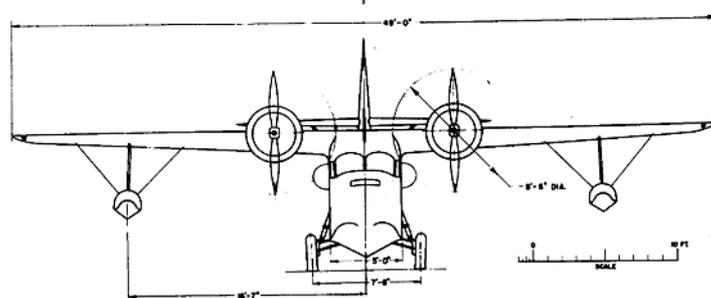


STANDARD AIRCRAFT CHARACTERISTICS
JRF-5 "GOOSE"

BUREAU OF AERONAUTICS
NAVY DEPARTMENT



WING AREA - 375 SQ. FT.
WING SECTION -
H.A.C.A. 23015 ROOT
H.A.C.A. 23009 TIP
M.A.C. - 97'-4"
A.R. - 6.4°
PROPS - HAMILTON STD
BLADE DESIGN NO. 6167
HALL DISPL. - 25,000 LBS.
WING TIP FLOAT
DISPL. - 1520 LBS. (TOTAL)



DESCRIPTIVE ARRANGEMENT

MISSION AND DESCRIPTION

General utility, light transport, administrative and training airplane with provisions for bombing training, and photography.

It is a high-wing, twin-engine, amphibian with conventional hull and retractable landing-gear. Can land, take-off, and taxi on water or land. Manufactured by Grumman.

Structure is conventional. Box-beam wing, carrying split flaps vacuum-operated. Retractable landing gear is manually operated. A 12 lb. Northill anchor is carried in the bow compartment.

WEIGHTS

Loadings	Lbs.	L.F.
EMPTY.....	6415.....	
BASIC.....	6766.....	
DESIGN.....	8000.....	3.75
MAX. T.O....	8700.....	3.40
MAX. LAND...	8700.....	

All weights are actual.

POWER PLANT

NO. & MODEL...(2) R-985-AN-6
MFR.....P.&W.
SUPERCH.....1 Stage, 1 Speed
PROP.GEAR RATIO.....D.D.
PROP. MFR.....Ham. Std.
PROP DES. NO.....6167
NO.BL./DIA.....2/8'-6"

RATINGS

	Bhp. @	Rpm. @	Alt.
T. O.	450	2300	SL
NORMAL	400	2200	SL to 5000'

SPEC. AN-2035

FUEL AND OIL

Gals. - No. Tanks - Location
220.....2.....Wing

FUEL GRADE.....91/98
FUEL SPEC.....AN-F-48

OIL

CAPACITY (Gals.).....15
SPEC.....AN-O-8
GRADE.....1100-1120

ORDNANCE

Type	BOMBS		No.
	Size	Location	
Bombs	100#	Wings	2
D.B.	325#	Wings	2

Racks MK 41-2

Provisions for vertical camera

DIMENSIONS

CREW.....2
PASSENGERS.....4

SPAN.....49'-0"
LENGTH.....38'-4"
HEIGHT.....14'-7"
WING AREA.....375 sq.ft.
M.A.C.....97.4'

ELECTRONICS

MF LIAISON TRANS.....GP-7
MF REC.....RU-18
VHF HOMING.....AN/ARR-1
DF.....DW-1
IFF.....ABK

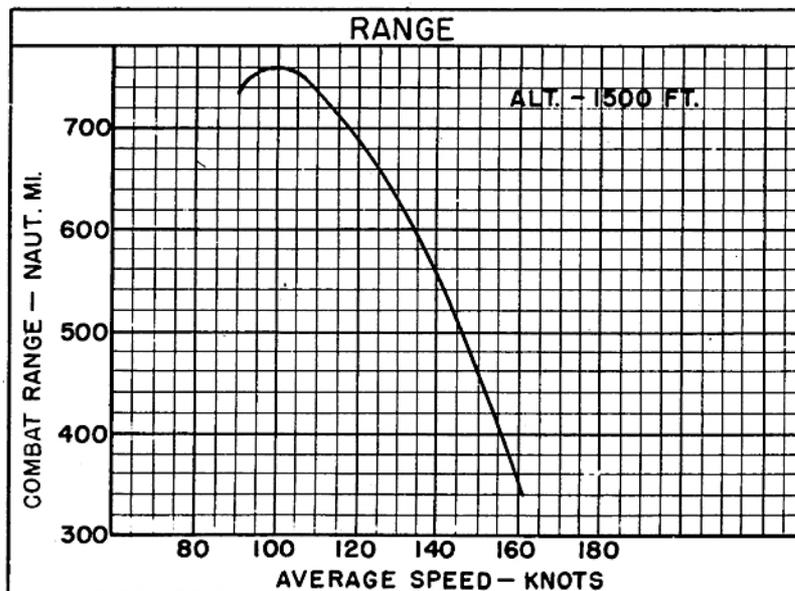
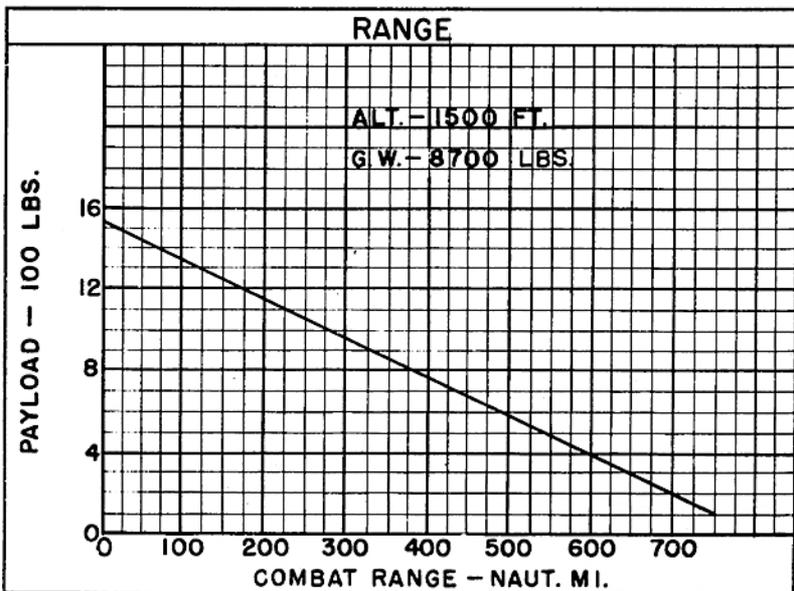
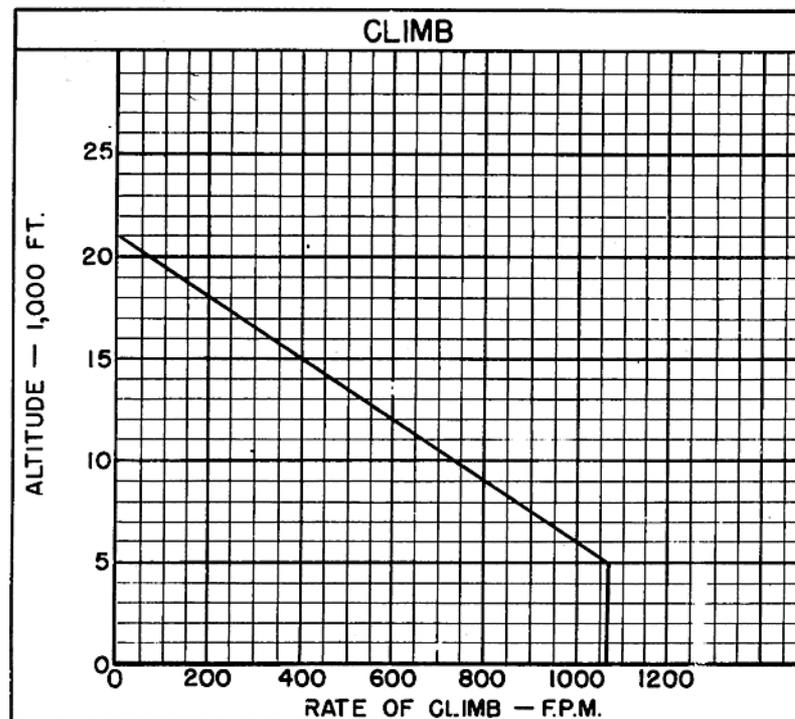
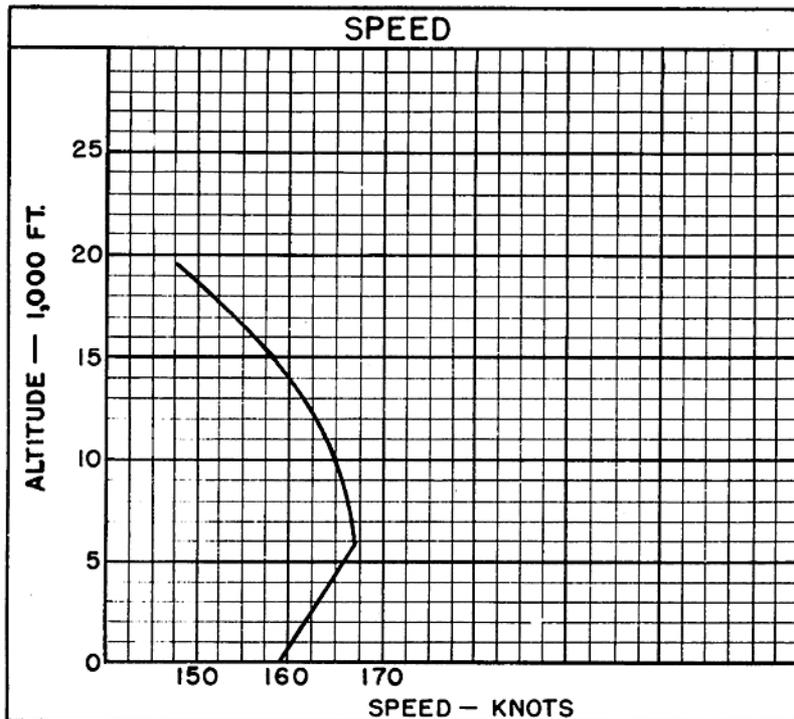


PERFORMANCE SUMMARY			
LOADING CONDITION		UTILITY	
TAKE-OFF WEIGHT	lbs	8700	
Fuel	lbs	1320	
Bombs	lbs		
PAYLOAD	lbs	101	
Wing/Power Loading (A)	lbs/sq.ft.lbs/bhp	23.2/10.9	
Stall Speed--Power off	kn	58.3	
Stall Speed--Power off - No Fuel	kn	53.7	
Stall Speed--Power on	kn		
Maximum Speed/Alt (B)	kn/ft	167/5800	
Take-off Distance, deck -- calm	ft	750	
Take-off Time	sec.	16	
Take-off Distance, Airport	ft	1450	
Rate of climb -- sea level (B)	ft/min	1070	
Service Ceiling (B)	ft	19700	
Time-to-climb 10000 ft. (B)	min	10.1	
Time-to-climb ft. (B)	min		
Combat Range/V av 1500	ft. n.mi/kn	760/99	
Combat Radius/V av	ft. n.mi/kn		
LOADING CONDITION			
GROSS WEIGHT	lbs		
Engine power			
Fuel	lbs		
Bombs/Tanks			
Max. speed at sea level	kn		
Max. speed	ft. kn		
Combat speed/Alt.	kn/ft		
Rate of climb SL	ft/min		
Ceiling for 500 fpm R/C	ft		
Time-tc-climb/Alt.	min/ft		

NOTES

- (A) BHP at Maximum Critical Altitude
- (B) Normal BHP

Performance is based on flight test of the JRF-6B airplane. Range is based on engine specification fuel consumption data increased by 5%.



○ LOADING CONDITION COLUMN NUMBER

NOTES