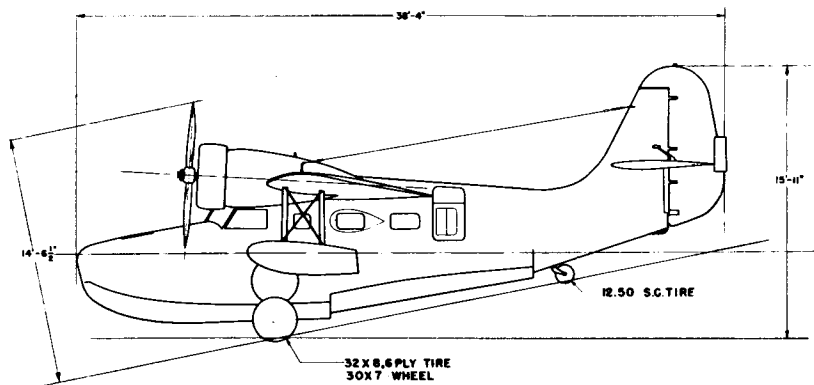
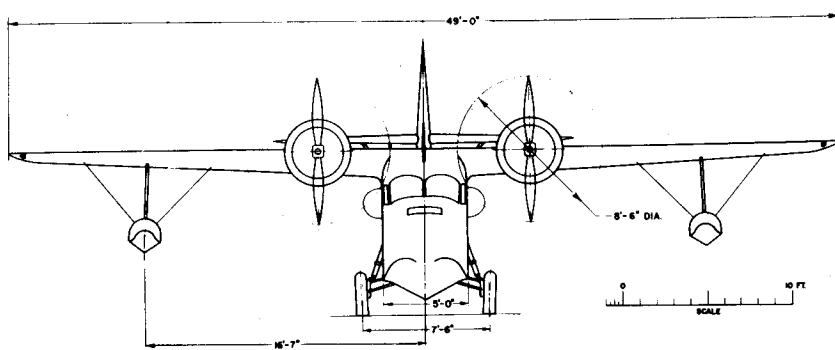
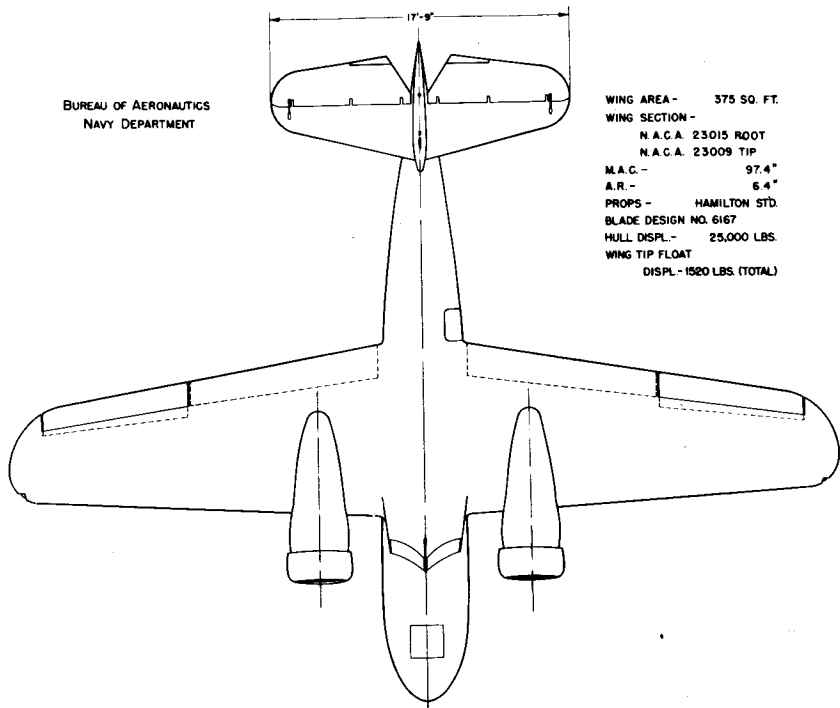


STANDARD AIRCRAFT CHARACTERISTICS  
JRF-5 "GOOSE"

BUREAU OF AERONAUTICS  
NAVY DEPARTMENT

WING AREA - 375 SQ. FT.  
WING SECTION -  
N.A.C.A. 23015 ROOT  
N.A.C.A. 23009 TIP  
M.A.C. - 97.4°  
A.R. - 6.4°  
PROPS - HAMILTON STD.  
BLADE DESIGN NO. 6167  
HULL 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.

## DIMENSIONS

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

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

## 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.

## 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

## ELECTRONICS

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

## 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'

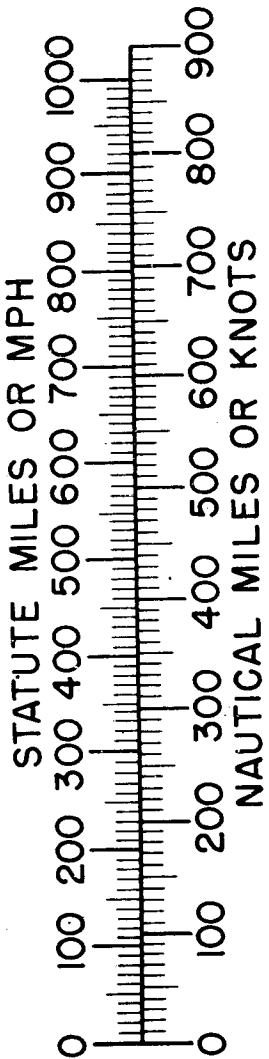
SPEC. AN-2035

## ORDNANCE

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

Racks MK 41-2

Provisions for vertical camera



## PERFORMANCE SUMMARY

LOADING CONLITION	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			
<b>LOADING CONDITION</b>				
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%.

