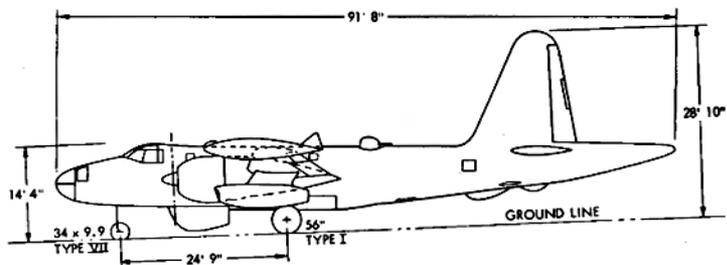
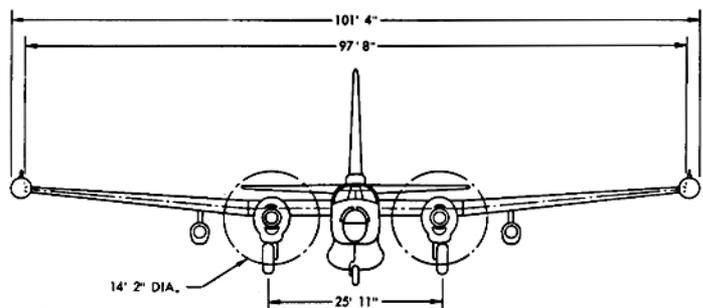
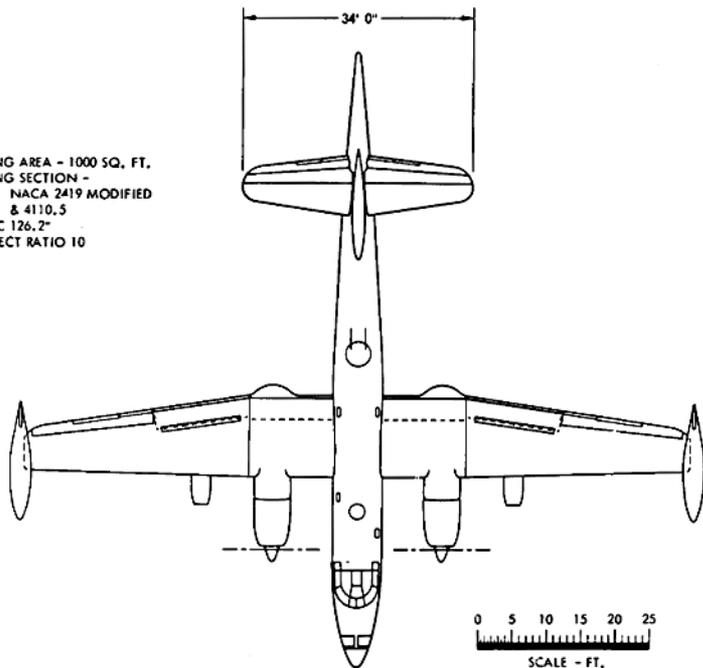


STANDARD AIRCRAFT CHARACTERISTICS
P2V-5F
LOCKHEED

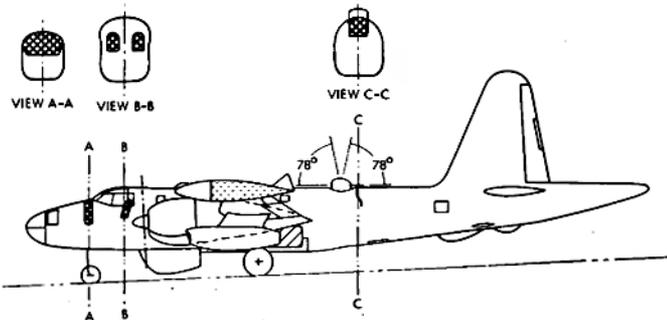
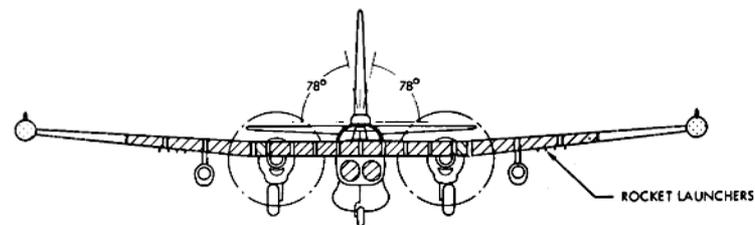
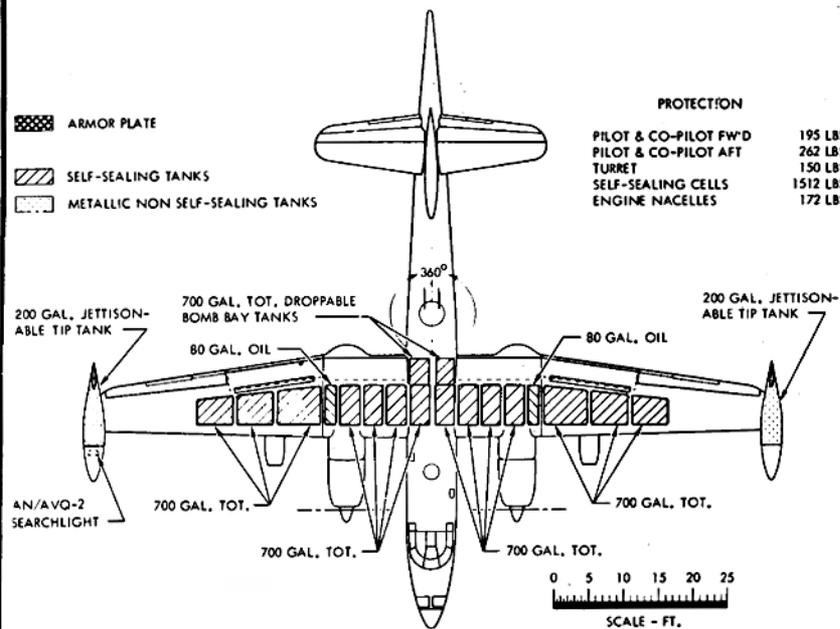
WING AREA - 1000 SQ. FT.
 WING SECTION -
 NACA 2419 MODIFIED
 & 4110.5
 MAC 126.2"
 ASPECT RATIO 10



- ARMOR PLATE
- SELF-SEALING TANKS
- METALLIC NON SELF-SEALING TANKS

PROTECTION

PILOT & CO-PILOT FW'D	195 LBS.
PILOT & CO-PILOT AFT	262 LBS.
TURRET	150 LBS.
SELF-SEALING CELLS	1512 LBS.
ENGINE NACELLES	172 LBS.



Standard Aircraft Characteristics NAVAR 1335B (Rev. 1-55)

PERFORMANCE SUMMARY

TAKE-OFF LOADING CONDITION		(1) ASW PATROL 2 MK 34 TORP. R3350-32W ENGINES	(3) ASW PATROL 2 MK 34 TORP. R3350-36 ENGINES		
TAKE-OFF WEIGHT	lb.	75,700	75,700		
Fuel	lb.	19,200	19,200		
Fayload	lb.	2400	2400		
Wing loading	lb./sq.ft.	75.7	75.7		
Stall speed - power-off	kn.	96	96		
Take-off run at S.L. - calm (A)	ft.	2030	2130		
Take-off run at S.L. 25 kn. wind (A)	ft.	1350	1410		
Take-off to clear 50 ft. - calm (A)	ft.	2420	2640		
Max. speed/altitude (B)	kn./ft.	324/20,000	324/18,600		
Rate of climb at S.L. (B)	fpm.	2000	1860		
Time: S.L. to 10,000 ft. (C)	min.	3.5	3.5		
Time: S.L. to 20,000 ft. (C)	min.	6.5	6.5		
Service ceiling (100 fpm) (B)(D)	ft.	23,000	23,000		
Combat range	n.mi.	2475	2525		
Average cruising speed	kn.	161	161		
Cruising altitude(s)	ft.	1500	1500		
Combat radius (E)	n.mi.	1000	1020		
Average cruising speed	kn.	161	161		
Mission time	hr.	15.4	15.8		
COMBAT LOADING CONDITION		(2) 60% FUEL TORPEDOES RETAINED	(4) 60% FUEL NO TORPEDOES		
COMBAT WEIGHT	lb.	68,020	65,620		
Engine power		All Eng. Mil.	All Eng. Mil.		
Fuel	lb.	11,520	11,520		
Combat speed/combat altitude	kn./ft.	325/1500	325/1500		
Rate of climb/combat altitude	fpm/ft.	2775/1500	2890/1500		
Combat ceiling (500 fpm) (D)	ft.	23,000	23,000		
Rate of climb at S.L.	fpm.	2830	2970		
Max. speed at S.L.	kn.	320	321		
Max. speed/altitude	kn./ft.	346/19,000	348/18,500		
LANDING WEIGHT					
Fuel	lb.	57,778	57,765		
Stall speed - power-off/with approach power	kn./kn.	84/77	84/77		
Distance - ground run/over 50 ft. obstacle	ft./ft.	1700/2400	1500/1875		

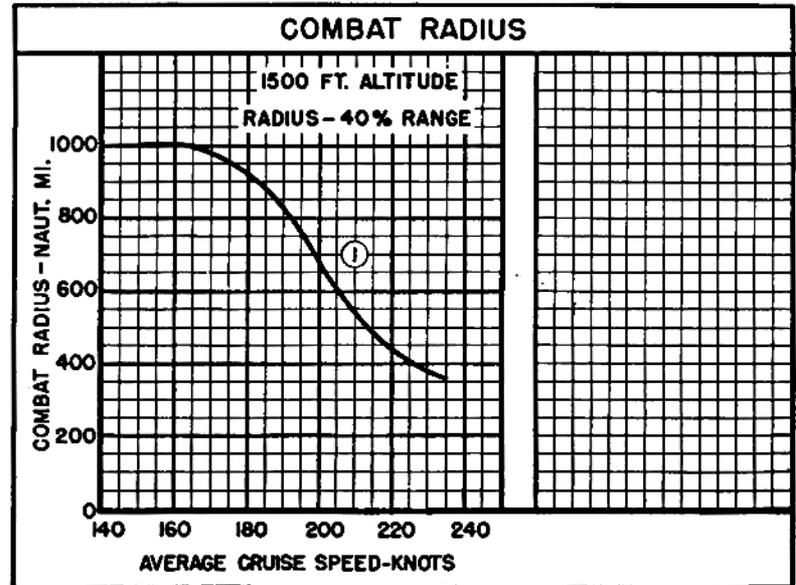
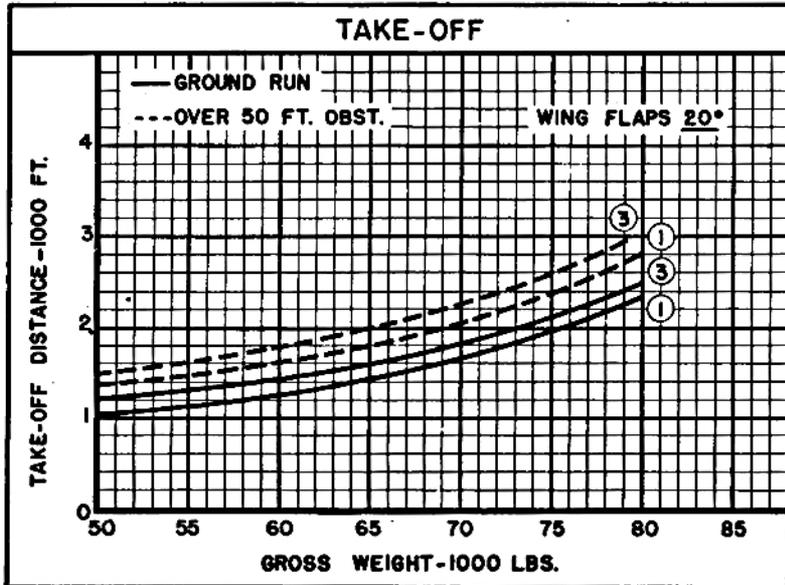
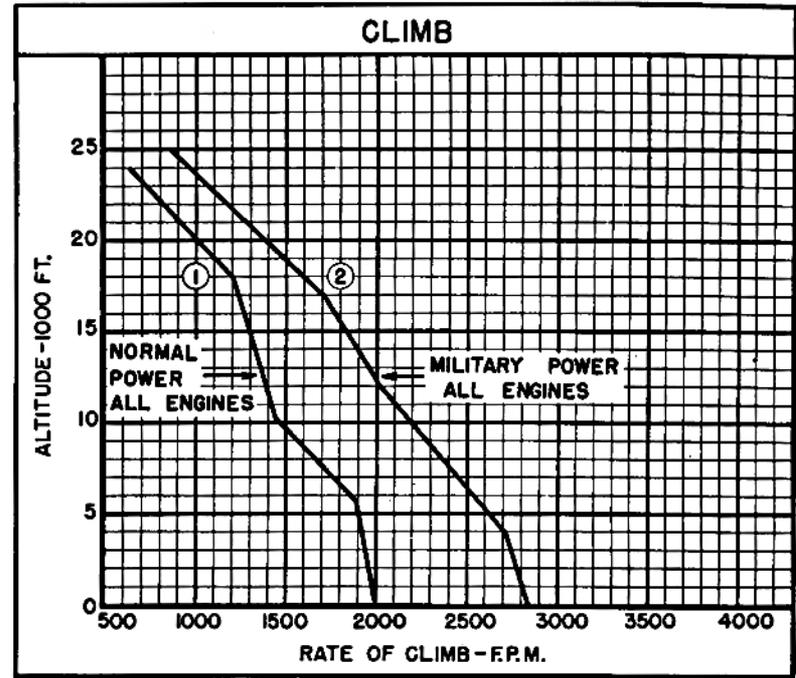
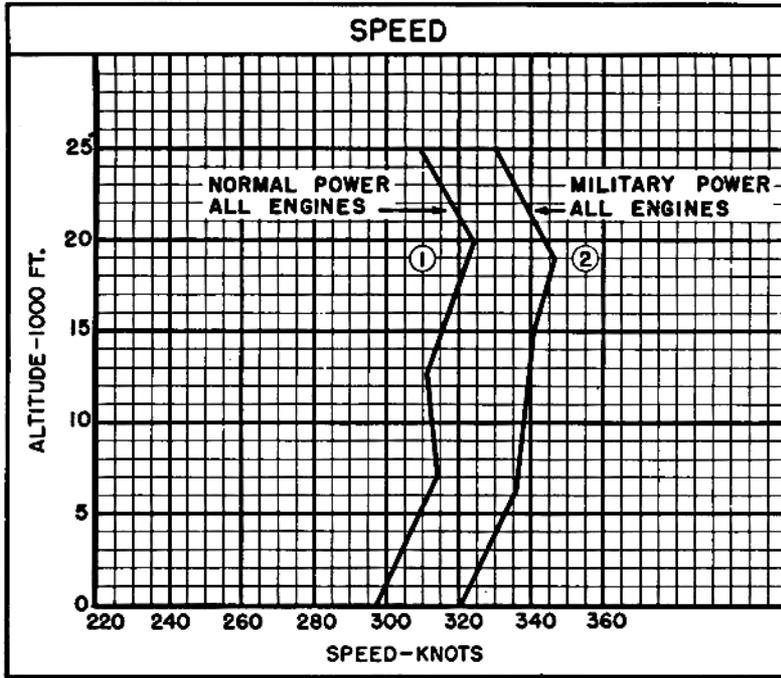
NOTES

Reason for Reissue: Conversion of all P2V-5 aircraft to P2V-5F configuration.

- (A) Take-off power on all engines.
 (B) Normal Rated Power on all engines.
 (C) Military Rated Power on all engines.

- (D) Limited by reciprocating engine operating restriction.
 (E) ASW Combat Radius = 40% Combat Range.

PERFORMANCE BASIS: Contractor and NATC flight test results.
 RANGE and RADIUS are based on contractor and NATC fuel consumption data.



○ LOADING CONDITION COLUMN NUMBER

Standard Aircraft Characteristics NAVAER 1325E (Rev. 1-55)

NOTES

Continued from "POWER PLANT" -

POWER PLANT

			<u>Ratings</u>						
	<u>R-3350-36</u>	<u>R-3350-32W</u>	<u>R-3350-36</u>			<u>R-3350-32W</u>			
			<u>BHP</u>	<u>RPM</u>	<u>ALT</u>	<u>BHP</u>	<u>RPM</u>	<u>ALT</u>	
Type	Reciprocating	Reciprocating	Take-off	3500	2900	S.L.	3700	2900	S.L.
Manufacturer	Wright	Wright		3500	2900	4500	3750	2900	3400
Engine Spec.	NS56B	NS78A	Military	3250	2900	S.L.	3400	2900	S.L.
Supercharger	1 stage 2 speed	1 stage 2 speed		3250	2900	3400	3420	2900	2400
Reduction gear	.4375:1	.4375:1		2550	2600	15,400	2550	2600	17,000
Augmentation	ADI	ADI	Normal	2600	2600	S.L.	2800	2600	S.L.
Prop./Blade	Ham. Std./2J17	Ham. Std./2J17		2650	2600	6500	2850	2600	4100
No. Blades/Dia.	4/14' 2"	4/14' 2"		2450	2600	16,600	2450	2600	18,000

The R3350-36 engine is a modified R3350-30WA engine.