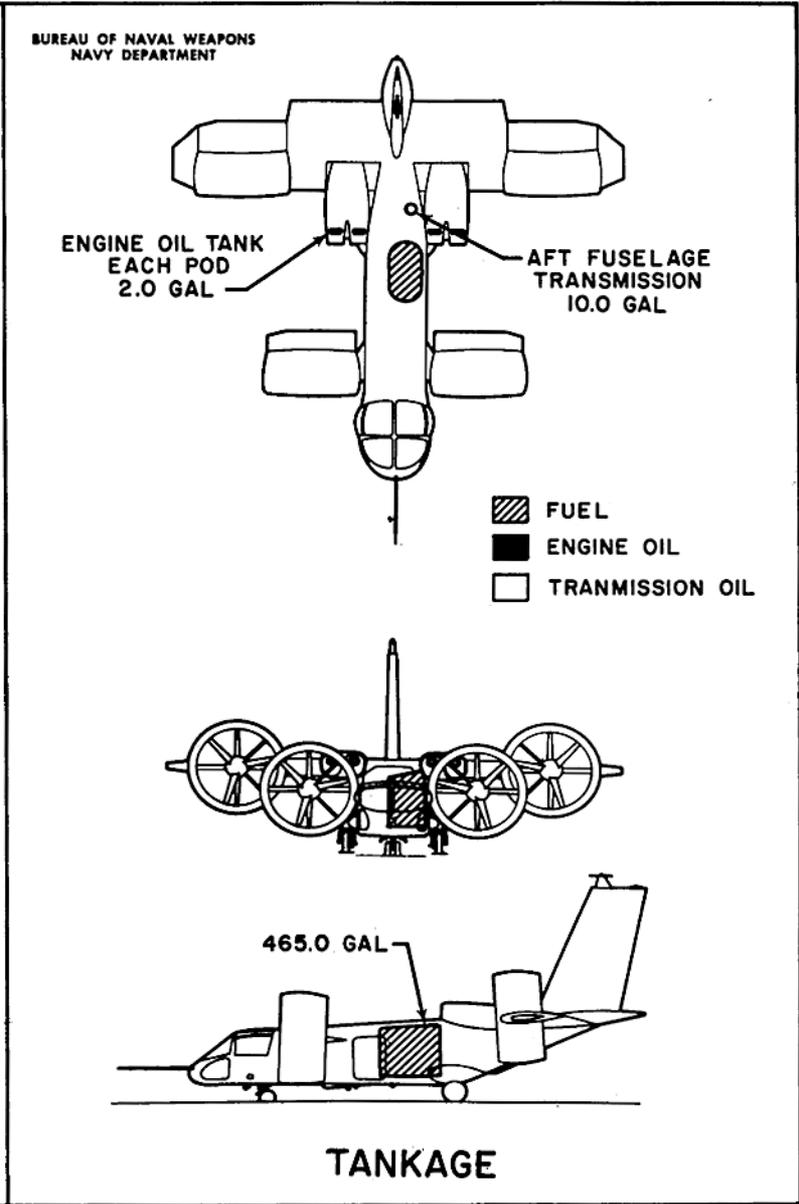
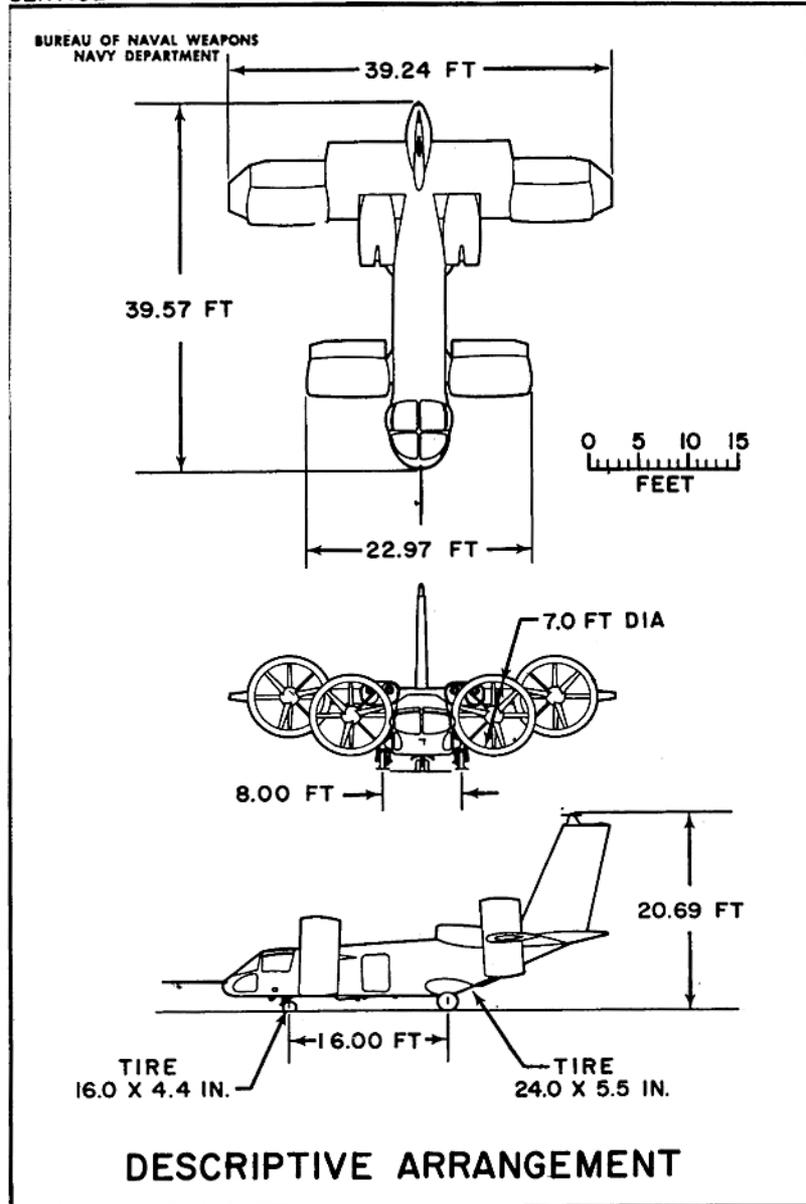


# STANDARD AIRCRAFT CHARACTERISTICS

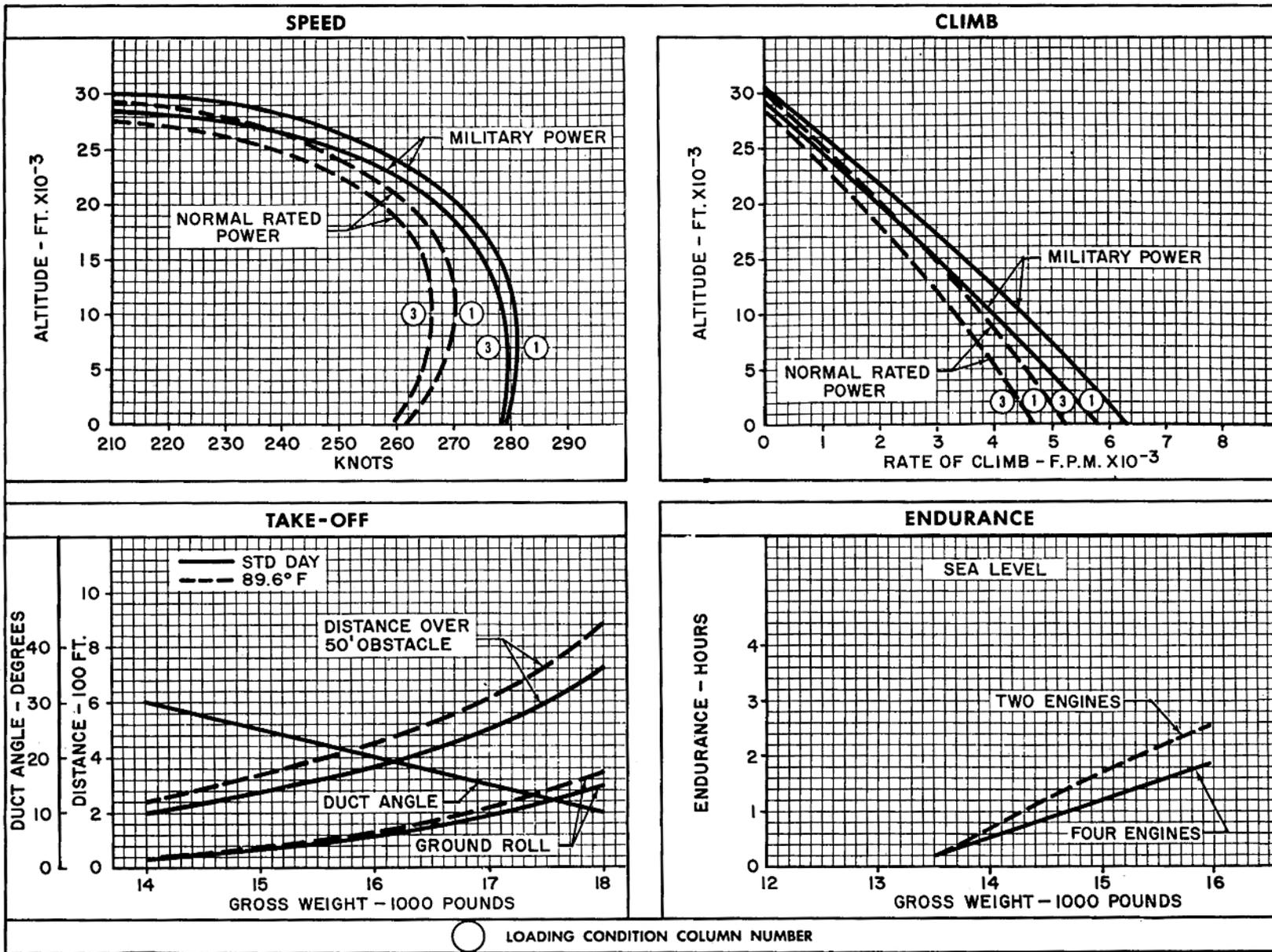
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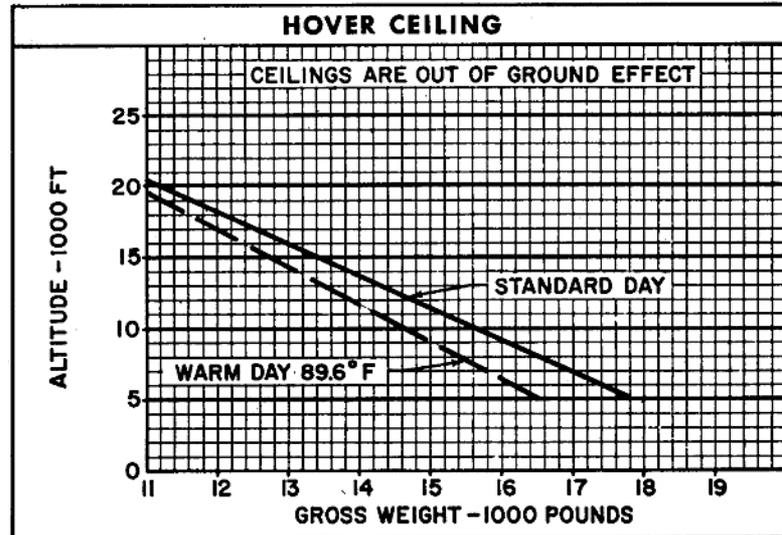
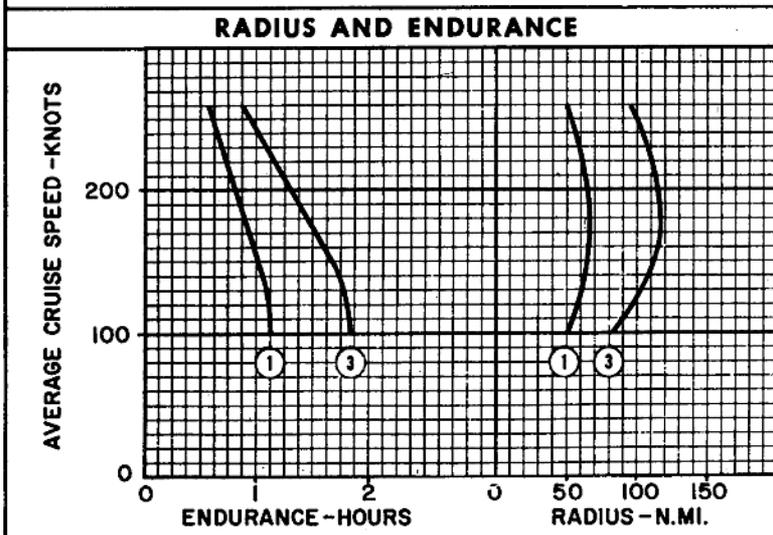
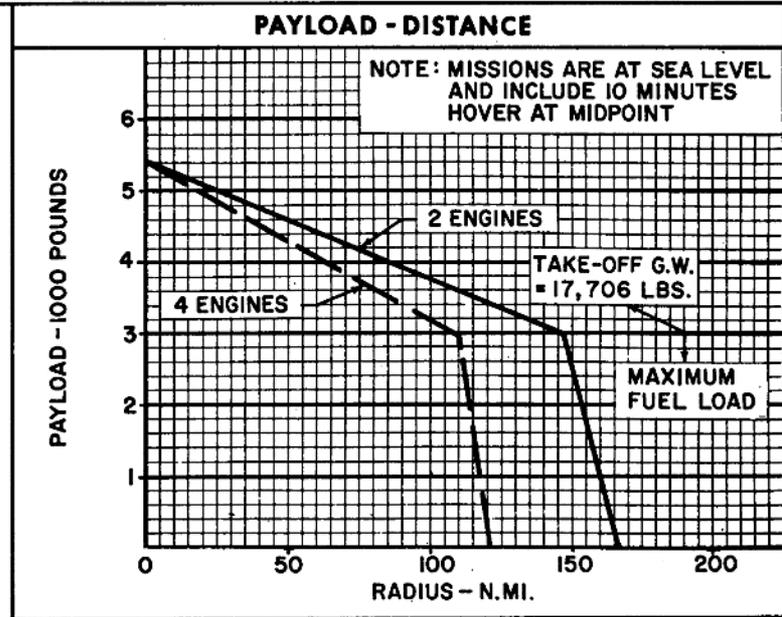
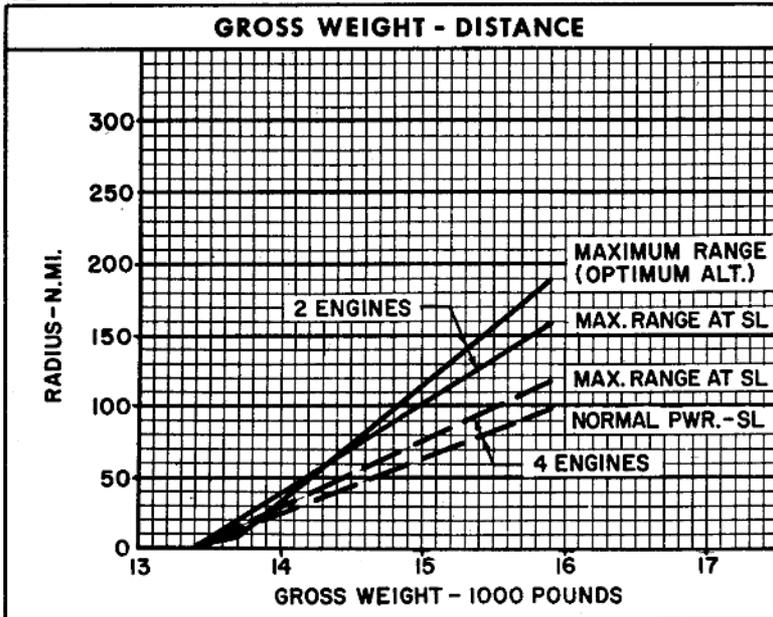


POWER PLANT	MISSION AND DESCRIPTION	WEIGHTS																																																						
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## PERFORMANCE SUMMARY

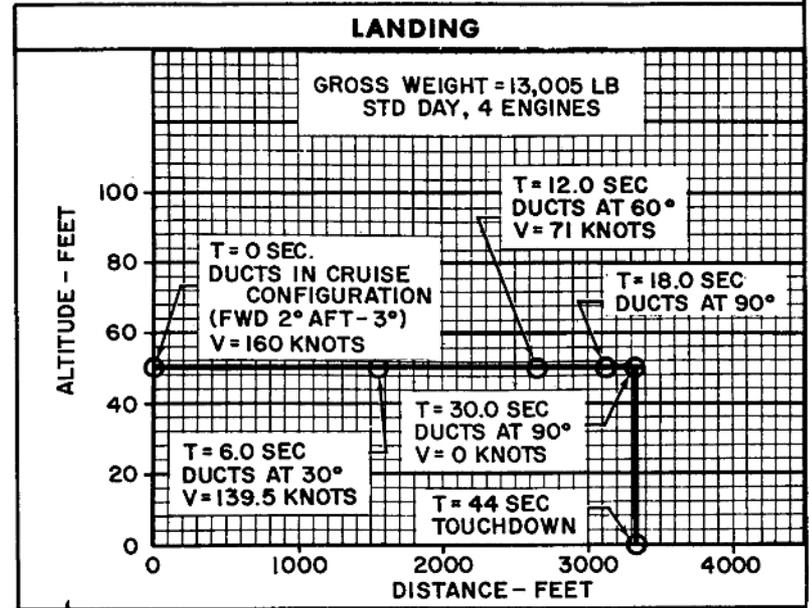
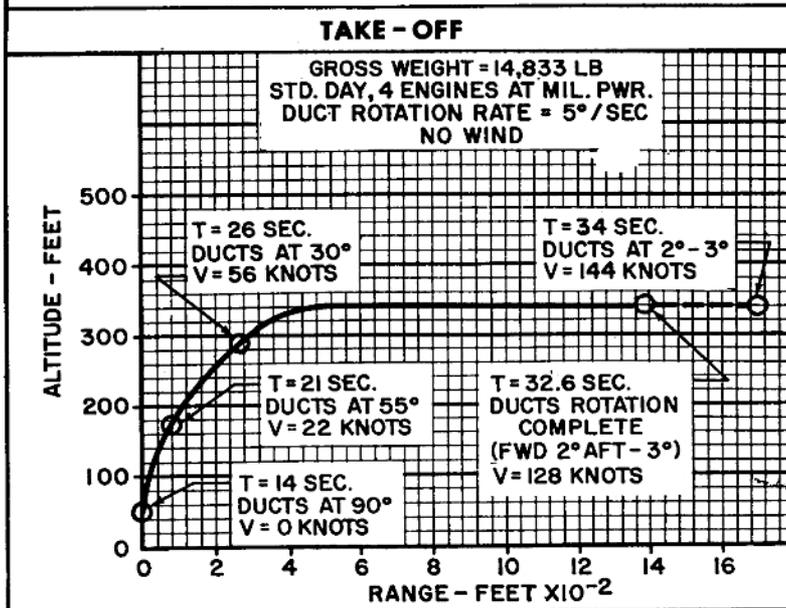
TAKE-OFF LOADING CONDITION	①	③	⑤	⑦	⑨
	Endurance - SL	Endurance - SL	Radius - Opt. Alt.	Radius - Opt. Alt.	Ferry
TAKE-OFF WEIGHT lb.	14,833	15,930	14,833	15,930	14,730
Fuel internal/external (JP-5) lb./lb.	2,065	3,162	2,065	3,162	3,162
Payload lb.	1,200	1,200	1,200	1,200	0
Wing loading lb./sq. ft.	51.9	55.70	51.9	55.70	51.5
Stall speed—power-off kn.	93.8	97.1	93.8	97.1	93.5
Take-off run at S.L.— calm ft.	0	0	0	0	0
Take-off run at S.L.— 25 kn. wind ft.	0	0	0	0	0
Take-off to clear 50 ft.— calm ft.	0	0	0	0	0
Max. speed/altitude kn./ft.	270/11,000	266/11,000	270/11,000	266/11,000	270/11,000
Rate of climb at S.L. fpm.	5,200	4,660	5,200	4,660	5,280
Time: S.L. to 10,000 ft. min.	2.2	2.5	2.2	2.5	2.2
Time: S.L. to 15,000 ft. min.	3.7	4.2	3.7	4.2	3.7
Service ceiling (100 fpm) ft.	29,200	27,800	29,200	27,800	29,500
Combat range n.mi.	-	-	222	389	495
Average cruising speed kn.	-	-	185	185	185
Cruising altitude(s) ft.	-	-	13,500/15,000	11,000/15,000	13,500/15,000
Combat radius/mission time n.mi./hr.	-	-	102/1.32	187/2.3	204/2.41
Average cruising speed kn.	-	-	185	185	185
Endurance hr.	1.14	1.85	-	-	-
Average loiter speed/altitude kn./ft.	100/SL	105/SL	-	-	-
COMBAT LOADING CONDITION	②	④	⑥	⑧	⑩
COMBAT WEIGHT lb.	14,007	14,665			
Engine power	Military	Military			
Fuel lb.	1,239	1,897			
Combat speed/combat altitude kn./ft.	-	-			
Rate of climb/combat altitude fpm/ft.	-	-			
Combat ceiling (500 fpm) ft.	28,700	27,900			
Rate of climb at S.L. fpm.	6,970	6,600			
Max. speed at S.L. kn.	280	279			
Max. speed/altitude kn./ft.	280/9,000	280/9,000			
LANDING WEIGHT lb.	13,005	13,115	13,005	13,115	11,915
Fuel lb.	203	313	203	313	313
Stall speed—power-off/approach power kn./ft.	88.3/-	88.5/-	88.3/-	88.5/-	84.7/-
Landing distance—ground roll/over 50 ft. obst. ft./ft.	1,430/2,310	1,450/2,320	1,430/2,310	1,450/2,320	1,300/2,150
<b>Notes:</b> Performance Basis: 1. Estimated Data 2. Endurance and Combat Range are Based on Engine Specification Fuel Consumption Data with a Service Allowance of 5% 3. Mission Performance is Based on MIL-C-5011A and MIL-P-22203 with 10% Fuel Reserve for Landing					





○ LOADING CONDITION COLUMN NUMBER

TYPICAL TRANSITION CHARACTERISTICS



Note: The landing transition is started at duct unlock speed with idle power. As the ducts rotate and speed decreases, power is applied to maintain level flight.

○ LOADING CONDITION CODE NUMBER

NOTES

①

ENDURANCE MISSION

Warm-up and takeoff: 5 minutes at Normal Power-SSL

Loiter: At speed for maximum endurance at sea level on 4 engines

Hover: 10 minutes at sea level

Loiter: At speed for maximum endurance at sea level on 4 engines.

Reserve: 10 percent of the initial fuel

⑤

RADIUS MISSION

Warm-up and takeoff: 5 minutes at Normal Power-SSL

Climb: On course to best cruise altitude

Cruise Out: At speed and altitude for best cruise on 2 engines

Descend to Sea Level

Hover: 10 minutes at sea level

Climb: On course to best cruise altitude

Cruise Back: At speed and altitude for best cruise on 2 engines

Reserve: 10 percent of the initial fuel

⑨

FERRY MISSION

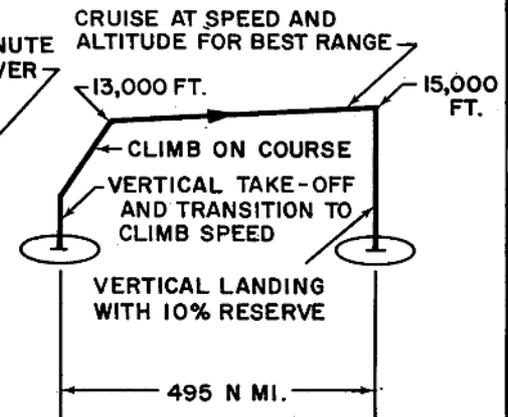
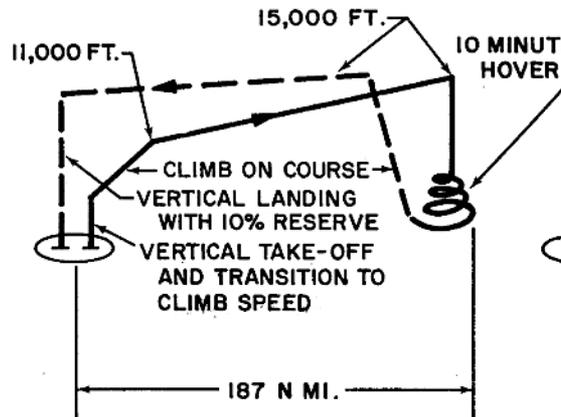
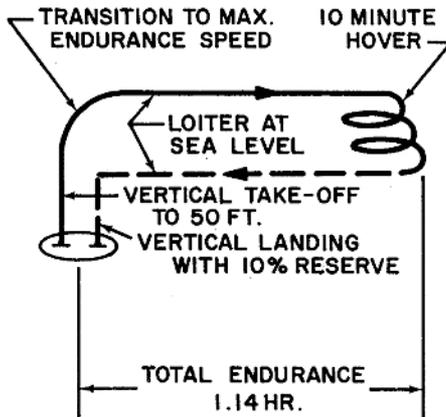
Warm-up and takeoff: 5 minutes at Normal Power-SSL

Climb: On course to best cruise altitude

Cruise: At speed and altitude for best cruise on 2 engines

Reserve: 10 percent of the initial fuel

Note: Oxygen equipment is not normally carried and must be supplied for flight over 10,000 feet altitude.



○ LOADING CONDITION COLUMN NUMBER