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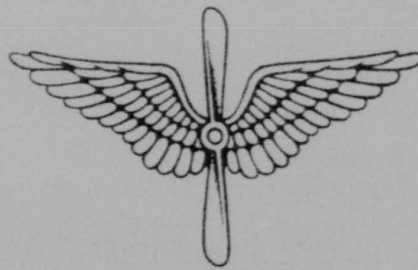
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EE-306-2  
EXPERIMENTAL

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QUARTERLY CHART  
AIRPLANE CHARACTERISTICS AND PERFORMANCE



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1 April 1945

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**FOREWORD**

Chart EE-306-2 is a summary of characteristics and performance of A.A.F. experimental aircraft. In its original form this chart was a supplement to the present EE-306-1 and was issued monthly. However, in Feb. 1943 this chart was set up separately and designated as EE-306-2. Since October 1944 this chart has been established as a quarterly publication.

Information contained herein is the most accurate engineering data available. Whenever possible, performance is quoted from official A.A.F. flight test. Such data is underlined for emphasis. It must be understood that performance shown in all cases is optimum - the best obtainable on one particular clean, new airplane. Also ranges shown are theoretical - no allowance is made for warm-up, take-off and climb, etc. The airplane is assumed to cruise at the altitude and speed listed until all fuel is consumed. All performance has been corrected to standard atmosphere.

In this issue of chart EE-306-2 information covering aircraft other than current projects has been incorporated in view of numerous requests for the development of experimental aviation since the National Emergency Program of 1939. This issue should prove of value for historical and reference purposes. It is suggested that this chart be kept on file as future issues will revert back to covering only current type aircraft.

Suggestions, comments or criticisms should be addressed to the director ATSC; Attention TSEAL-6D1.

THIS REPORT SUPERSEDES PREVIOUS EE-306-2 PUBLICATIONS; SUPERSEDED PUBLICATIONS, IF NO LONGER OFFICIALLY REQUIRED, WILL BE DESTROYED IN THE MANNER PRESCRIBED IN PARAGRAPH 23, A.R. 380-5.

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## DEFINITIONS

<b>ENGINE RATINGS:</b>	Latest approved brake horsepower per engine at critical altitude without regard to effect of the installation (no ram).	<b>BOMBS:</b>	No bomb load is listed when carrying maximum fuel. (Max. fuel for ferrying range only). Bomb load used by manufacturer in establishing design useful load.
<b>Normal:</b>	Maximum power for continuous operation.	<b>Design:</b>	Maximum permissible bomb load within practical limits of the aircraft.
<b>Military:</b>	Maximum power for combat (usually limited to 15 minutes).	<b>Maximum:</b>	
<b>Take-off:</b>	Maximum power for take-off.		
<b>War Emergency:</b>	Maximum power for emergency use (usually limited to 5 minutes).	<b>PERSONNEL:</b>	For the cargo type aircraft, the "Bombs" heading has been changed to "Personnel".
<b>SPEEDS:</b>		<b>Places:</b>	Indicates number of troops or passengers or in lieu thereof, pounds (#) of cargo. (Personnel at 200# each).
<b>Maximum:</b>	Greatest speed obtainable in level flight (within engine power limits) at specified altitude & horsepower.	<b>Crew:</b>	Indicates number of members normally comprising the crew.
<b>Landing:</b>	Minimum speed above stalling speed at which landings can be safely accomplished at sea level. Based on design gross weight.	<b>WEIGHTS:</b>	
<b>CLIMB:</b>		<b>Take-off:</b>	Take-off gross weight corresponding to range values.
<b>Time to Height:</b>	Minimum time from sea level using maximum power available within engine limits and based on design gross weight.	<b>Empty:</b>	Complete airplane minus crew, fuel, oil, armament, bombs and disposable equipment.
<b>Service Ceiling:</b>	Altitude at which rate of climb is 100 ft. per minute. Based on design gross weight.	<b>Pounds:</b>	Alternate gross weight comprised of maximum fuel and no bombs.
<b>Ceiling:</b>	Service ceiling with 2 engines out when rate of climb is 100 ft. per minute. Based on design gross weight.	<b>Design:</b>	Stress analysis weight at which airplane meets A.A.F. structural design requirements.
<b>TAKE-OFF &amp; LANDING</b>		<b>Pounds:</b>	Alternate gross weight comprised of maximum permissible bomb load and allowable fuel.
<b>DISTANCE:</b>	Average of the best two runs of at least four trials with optimum flap setting on smooth concrete. Corrected to sea level and no wind. Based on design gross weight.	<b>SIZE:</b>	
<b>RANGE:</b>	Idealistic statute air miles with fuel, bombs and take-off weight noted in columns immediately to the right. No allowance is made for warm-up, climb to altitude, reserve, wind, etc. Bombs are assumed dropped at half-way point.	<b>Span:</b>	Basic dimensions of the aircraft.
<b>FUEL:</b>		<b>Length:</b>	Distance from wing tip to wing tip projected to ground plane.
<b>Maximum:</b>	Usable fuel only is shown (does not include fuel trapped in system). Largest quantity that can be carried including standard external wing or belly tanks, bomb bay tanks and other removable or droppable tanks.	<b>Wing Area:</b>	Overall length (excluding protruding guns) with fuselage level.
<b>Design:</b>	Quantity used by manufacturer in establishing the design useful load.	<b>ARMAMENT:</b>	Standard aerodynamic surface area.
<b>Gallons:</b>	Quantity allowed with maximum bomb load within limits of maximum alternate gross weight.	<b>Design:</b>	Design gun installations specified by manufacturer giving number, caliber and rounds of ammunition per gun.
		<b>STATUS:</b>	Denotes present status (current, cancelled, obsolete, etc.)
		<b>REFERENCE:</b>	(a) Manufacturer's specification number. (b) Reports quoted are confined to official Wright Field tests.

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## QUARTERLY CHART

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

BOMBARDMENT

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1.2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS * SPEEDS % POWER				DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—BDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS				
YA-19 VULTEE (1) R-1830-17 AC-11235 7	1050/6500 1200/S L NONE	<u>232/6500/ -</u> -	<u>19.2/15000</u> 20400 NONE	1750	<u>1385/184/50%</u> <u>1110/207/58%</u> -	330 311 -	NONE 600 1080	6452 9935 <u>10421</u> -	50' 0" 37' 10" 384 Sq. Ft.	6-.30-600	SERVICE TEST	SPEC. 509-A A-19-930
XA-19A VULTEE (1) X0-1230-1 AC-13290 1	1000/S L 1200/S L NONE	230/6500/ - -	- 20000 NONE	1750	- -	330 311 -	NONE NONE 1080	6605 10400 10285 -	A S A B O V E	A S A B O V E	REDESIGNATED XA-19	SPEC. 509-A
ZXA-19B VULTEE (1) R-2600-1 AC-12749 1					SAME AS YA-19 EXCEPT FOR ENGINE CHANGE						OBSOLETE	SPEC. 509-A
ZXA-19C VULTEE (1) R-1830-51 P.O. 179124 1					SAME AS YA-19 EXCEPT FOR ENGINE CHANGE						OBSOLETE	
XA-20B DOUGLAS (2) R-2600-3 AC-15948 1					SAME AS A-20A EXCEPT FOR (3) REMOTELY CONTROLLED GUNS; (1) INTAIL & (1) EACH IN MACELLES. (PROJECT CANCELLED)							
XA-20F DOUGLAS (2) R-2600-3 AC-12967 1					SIMILAR TO A-20A WITH FOLLOWING CHANGES: G.E. TYPE UPPER AND LOWER TURRETS; 37mm CANNON IN NOSE, RESULTING IN EXTENSIVE MODIFICATION AND REMOVAL OF STANDARD BOMBARDIER PANEL INSTRUMENTS AND ACCESSORIES.							
XA-21 STEARMAN (2) R-2180-7 AC-13074 1	1150/7000 1400/S L NONE	<u>257/5000/ -</u> -	- <u>20000</u> 7000	<u>1572</u> -	<u>1200/200/51%</u> <u>720/232/75%</u> -	520 450 -	NONE 1200 2700	12760 17477 <u>18257</u> -	65' 0" 53' 1" 607 Sq. Ft.	6-.30-500	-	SPEC. - A-19-944 & EXP.-M-19-427 1021-A
XA-22 MARTIN (2) R-1830-37 AC-13142 1	1100/5000 1200/S L NONE	<u>279/5000/ -</u> -	- <u>20000</u> 7000	<u>1756</u> 1500	<u>1635/200/38%</u> <u>820/261/75%</u> -	528 433 -	NONE 1200 1800	11170 16173 <u>16803</u> -	61' 4" 46' 8" 540 Sq. Ft.	A S A B O V E	CONDEMNED	SPEC. - A-19-940
XA-23 MARTIN (2) R-3350-11 AC-15511 1	<u>1200/4000</u> <u>1180/15000</u> <u>1220/2400</u> <u>1180/14000</u> <u>1200/S L</u> NONE	384/17500/ - -	- 34150 18500	2050 1880	795/265/55% 650/297/75% -	500 500 500	NONE 1200 2000	15972 19200 20398 21200	- -	4-.30-400 4-.30-500	CANCELLED	SPEC. 160
XA-26 DOUGLAS (2) R-2800-27 AC-17946 1	<u>11600/5700</u> <u>11450/13050</u> <u>12000/13500</u> <u>11800/13500</u> <u>2000/S L</u> NONE	371/17000/2920 100	10.2/20000 31200 17000	1840 2270	<u>1977/202/ -</u> <u>810/280/63%</u> <u>2415/212/ -</u>	1000 440 800	NONE 1200 4000	21150 29370 26700 31880	70' 0" 51' 2" 540 Sq. Ft.	2-.50-400 2-.50-500	CURRENT	SPEC. 539

NOTES: UNDERLINED PERFORMANCE IS QUOTED DIRECTLY FROM A.A.F. FLIGHT TEST REPORTS. UNDERLINED WEIGHTS HAVE BEEN SUBSTANTIATED BY ACTUAL WEIGHING.

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## QUARTERLY CHART

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NON-ARMAMENT

## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1.2 ENGS. OUT	T. O. & LAND T. O. OVER 30 OHS. LAND OVER 30 OHS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					RANGE DESIGN MILES	FUEL DESIGN GALLONS	BOMBS DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
XA-26A DOUGLAS (2) R-2700-27 AC-17946	14000/18000/18000 14000/18000/18000 14000/18000/18000 NONE	965/17000/3000	10.5/20000 25900 12600	1894 2172	1420/234/505 700/264/635 NONE	800 440 NONE	NONE NONE NONE	20794 28893 25300 NONE	70' 0" 52' 5" 540 Sq. Ft.	4-20mm-150 4-.50 -700	CURRENT	SPEC. 541
XA-26B DOUGLAS (2) R-2800-27 AC-17946	AS ABOVE	395/16000/3200	25700 15500	1945 2192	1260/ - / - 695/ - / - NONE	800 440 NONE	NONE NONE NONE	20225 28855 26000 NONE	70' 0" 52' 1" 540 Sq. Ft.	4-.50-500 1-75mm-20	CURRENT	SPEC. 542
XA-26C DOUGLAS (2) R-2800-27 AC-17946					SIMILAR TO XA-26B WITH				(4) 37mm. CANNON IN. NOSE IN PLACE OF (1) 75mm. CANNON. (PROJECT CANCELLED)			
XA-31A VULTEE (1) R-2600- P.O. 42-14437					SIMILAR TO ZRA-31				SHOWN IN CHART EE-306-1. REDESIGNATED XA-31B WITH P. & W. ENGINE.			SPEC. 604
XA-31B VULTEE (1) P. & W. "WASP" AC-26932					SIMILAR TO ZRA-31 SHOWN IN CHART EE-306-1, EXCEPT FOR INSTALLATION OF AN EXPERIMENTAL P. & W. ENGINE.							SPEC. 604
XA-31C VULTEE (1) R-3350-13 AC-31713					SIMILAR TO ZRA-31 SHOWN IN CHART EE-306-2, EXCEPT FOR ENGINE CHANGE.							
YA-31C VULTEE (1) R-3350-37					VULTEE MODEL "V-72" WITH ENGINE CHANGE AND HAM. STD., 4 BLADED, 13' 2" DIA. PROPELLER. USED TO OBTAIN ADDITIONAL FLIGHT TEST DATA ON SUBJECT ENGINE, NEEDED IN CONNECTION WITH B-29 PROGRAM.						SERVICE TEST	
XA-32 BREWSTER (1) R-2600-37 AC-21434	11700/14000/14000 11700/14000/14000 11700/14000/14000 NONE	311/13200/1520	5.7/10000 26000	1295 1300	1600/200/ - 600/198/ - -	530 200 200	NONE NONE 4000	11819 17772 15512 19960	45' 1" 40' 1" 425 Sq. Ft.	6-.50-400 4-20mm-120	CURRENT	SPEC. EP-41
XA-32A BREWSTER (1) R-2600-37 AC-21434					SAME AS XA-32 ABOVE EXCEPT FOR CHANGE IN ARMAMENT TO (4) 37mm. CANNON OF 30 RDS. EACH.						CURRENT	
XA-37 HUGHES (2) R-2800-49					DURAMOLD CONSTRUCTION AIRPLANE WITHOUT ARMAMENT. NO OTHER DATA AVAILABLE.							

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

COMBARDMENT

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1.2 ENGS. OUT	T.O. & LAND T.O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—BDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
<u>XA-38</u> BEECH (2) R-3350-43 AC-3334R 2	<u>2100/2500</u> <u>1240/1887</u> <u>1240/1887</u> <u>2300/3100</u> <u>2440/3100</u>	<u>375/3100/4580</u> 103	<u>11.5/20000</u> 27800 12400	<u>4120</u> 3060	<u>2700/1751</u> <u>1240/1887</u> <u>1420/1877</u>	<u>1425</u> 820 825	NONE NONE 2000	22480 <u>25280</u> <u>23200</u> <u>23925</u>	67' 4" 51' 9" 626 Sq. Ft.	6-.50-500 1-75mm-20	CURRENT	SPEC. 55C FLIGHT TEST TSCEPSE-1811.
<u>XA-39</u> FLEETWING (1) R-2800-27 AC-34506 2	<u>1800/13600</u> <u>1800/14000</u> <u>2300/51</u> NONE	357/16600/1600 74	4.9/10000 27500 NONE	1390 1580	<u>3440/2051</u> <u>1580/225/45%</u> -	750 350 350	NONE 1000 4200	10844 18248 16160 21772	55' 10" 43' 9" 513 Sq. Ft.	4-.50-400 2-37mm-30	CANCELLED	SPEC. H-62
<u>XA-40</u> CURTISS (1) R-3350-8	<u>1800/13600</u> <u>1800/14000</u> <u>2300/51</u> NONE	358/16000/1900 82	8.9/16000 27300 NONE	1600 1517	<u>2320/-/-</u> <u>805/230/-</u>	825 205	NONE 1000 2600	11061 16535 15856 17120	48' 0" 36' 5" 378 Sq. Ft.	6-.50-400 4-20mm-120	-	SPEC. -
<u>XA-41</u> VULTEE (1) XR-4360-9 AC-34542 2 XA-42 DOUGLAS	<u>1800/13600</u> <u>1800/14000</u> <u>2300/51</u> NONE	353/15600/2400 87	4.3/10000 27000 NONE	1450 1525	<u>3000/180/37%</u> <u>800/270/-</u>	1140 350 445	NONE 1050 3200	13400 23262 18800 23359	54' 0" 48' 8" 540 Sq. Ft.	4-.50-400 2-37mm-30	CURRENT	SPEC. 610 C
REDESIGNATED XR-42. SEE PAGE 4												

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-12 ENGS. OUT	T. O. & LAND T. O. OVER 59' OBS. LAND OVER 59' OBS.	RANGE with FUEL with BOMBS at WEIGHTS @ SPEEDS % POWER			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
<b>XB-15</b> BOEING (REDESIGNATED AC-105) (4) R-1830-11	850/5000	197/6000/ -	14.9/10000	3257	4000/151/57%	4260	NONE	37709	149' 0" 87' 11"	3-.30-600	PROJECT	SPEC.D-1428A
AC-7618 <b>XB-16</b> MARTIN (4) V-1710-3	1000/ S L	70	18850	2439	3500/171/73%	4260	2500 12000	65068	2781 Sq. Ft.	3-.50-200	COMPLETED	A-19-794, SPEC.X-200
AC-6868					NO DATA AVAILABLE							
<b>YB-17A</b> BOEING (4) R-1820-51	800/25000	311/25000/ -	7.8/10000	1450	3800/189/ -	2482	NONE	26520	103' 10" 68' 4"	5-.30-200	SERVICE	SPEC.98-201- A-3A -1
AC-9843	1000/ S L NONE	-	38000	1500	1000/225/ - 900/225/ -	850 850	2000 4000	47000 36575 39000	1425 Sq. Ft.	5-.50-400	TEST	
<b>XB-19</b> DOUGLAS (4) R-3350-5	1700/5700 1500/15700	(1)224/15700/ - (2)204/15700/ -	-	4405	(1)7710/131/ - (2)7800/151/49%	11000 11174	2400 NONE	84431 160000 160332	212' 0" 132' 2"	6-.30-600 5-.50-200	REDESIGNATED	REP. SM-3497 SPEC.167
AC-8132	2000/ S L	73	33000 9600	1785	5200/160/50% 3520/134/ -	7636 5116	2400 36000*	160000 160000	4285 Sq. Ft.	2-37mm-50	XB-19A	TEST REPORT SM-3602
<b>XB-19A</b> GENERAL MOTORS (4) V-3420-11	2100/25000 2500/25000 2600/ S L	265/25000/10499	39000	3600	-	6400	-	92397	212' 0" 132' 2"	6-.30-600 5-.50-200	BEING CONVERTED TO CARGO PLANE	SPEC. X-85 (FORMERLY THE XB-19. REDESIGNATED XB-19A)
AC-33362 <b>XB-20</b> BOEING (4) R-2180-5				2000	4240/185/ -	6400	2400	140230	4285 Sq. Ft.	2-37mm-50		
					MODIFIED XB-15 POWERED WITH R-2180 ENGINE. (NONE PROCURED)							
<b>ZXB-21</b> NORTH AMERICAN (2) R-2180-1	1000/ 3700	220/10000/ -	10.0/10000	2000	OVER 6000 MI. 1960/196/ -	2400	NONE	19082	95' 0" 61' 0"	5-.30-600	OBSOLETE	SPEC.98-204- 2A.
AC-11070	1200/ S L NONE	-	25000 7000	2000	1960/196/ -	600 600	2200 2200	27259 27259	1120 Sq. Ft.			
<b>XB-24</b> CONSOLI- DATED (4) R-1830-33, -41	1100/ 6100 1000/14500 1200/ 5000 1200/ S L	273/15000/ -	-	2000	4700/186/40% 2850/235/50%	3000 1848	NONE 2500	27500 46100 38361	110' 0" 63' 9"	4-.30-600	REDESIGNATED	SPEC. -
AC-12436			17000	1750		924	8800		1050 Sq. Ft.	3-.50-200	ZXB-24B	
<b>ZXB-24B</b> CONSOLI- DATED (4) R-1830-33					CONVERTED XB-24 WITH TURBINE SUPERCHARGERS, SELF SEALING GAS TANKS, AND MINOR REFINEMENTS. (RECLASSIFIED ZXB-24B)						OBSOLETE	SPEC.C-212-1
AC-12436												
<b>XB-24M</b> FORD (4) R-1830-75					A PROTOTYPE AIRPLANE INCORPORATING THE FOLLOWING MAJOR CHANGES: R-1830-75 ENGINES WITH QUICK CHANGE FEATURE; SINGLE FIN EMPENNAGE; HEAT ANTI-ICING AND CABIN HEAT; -129 NOSE TURRET AND BELL POWER BOOST TAIL TURRET						CURRENT	SPEC.ZD-32- 019.

NOTES:

- \* 20000 LB. BOMBS CARRIED EXTERNALLY.  
(1) WITH COWL FLAPS CLOSED.  
(2) COWL FLAPS OPEN AS REQUIRED FOR ENGINE COOLING.

UNDERLINED PERFORMANCE IS QUOTED DIRECTLY FROM A.A.F. FLIGHT TEST REPORTS. UNDERLINED WEIGHTS HAVE BEEN SUBSTANTIATED BY ACTUAL WEIGHING.

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## QUARTERLY CHART

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BOMBARDMENT

## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND-OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS & SPEEDS % POWER				DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS				
XB-25E NORTH AMERICAN (2) R-2600-13 DA-896				ONE B-25C AIRPLANE	REWORKED TO INCLUDE HEATED SURFACE TYPE ANTI-ICING EQUIPMENT.							
XB-25F NORTH AMERICAN (2) R-2600-13				ONE B-25C AIRPLANE	REWORKED TO INCLUDE THERMO ANTI-ICING EQUIPMENT.							
XB-25G NORTH AMERICAN (2) R-2600-13 AC-16070				ONE B-25C AIRPLANE WITH ENGINE CHANGE AND NEW NOSE SECTION INCORPORATING A 75mm CANNON IN PLACE OF THE STANDARD NOSE SECTION WITH BOMBARDIER AND BOMB SIGHT INSTALLED.							SPEC. 954	
XB-26D MARTIN (2) R-2800-5 AC-30113				SAME AS B-26 EXCEPT FOR CHANGES REQUIRED TO PROVIDE HEATED SURFACE TYPE ANTI-ICING EQUIPMENT.								
XB-27 MARTIN (2) R-2800-9	1500/25000 2000/25000 2100/ S L	376/25000/- -	- 33500 14500	3000 3000	2940/259/50% 2665/259/50%	1306 1200	NONE 600 4000	23126 -	- -	3-.30-600 1-.50-200	NONE PROCURED	SPEC. 102.
XB-28 NORTH AMERICAN (1) R-2800-11 & -15 AC-13583	1625/25000 2000/25000 2000/ S L	372/25000/3680 86	9.0/10000 34600 6000	2590 2260	- 2040/255/-	1535 1170	NONE 600 4000	25571 37261 35740	72' 7" 56' 5" 676 Sq. Ft.	6-.50-200	DAMAGED	SPEC. 934 (PRESSURE CABIN) FS-M-19-1491-A.
XB-28A NORTH AMERICAN (1) R-2800-11 & -15 AC-14012	AS ABOVE	353/25000/4000 -	- 29900 4100	3129 3129	- 2190/-/-	1565 1225	NONE 600 4000	23500 -	AS ABOVE		CRASHED	SPEC. 5015 (PRESSURE CABIN)
XB-29 BOEING (REDESIGNATED YB-29) (4) R-3350-13 AC-15429	2000/25000 2200/25000 2200/ S L	368/25000/8800 -	27.0/25000 32100 9430	4191 4191	5850/250/52% 4524/250/48% 3500/247/52%	7494 5155 4587	NONE 2000 20000	66121 120000 105000 120000	141' 3" 98' 2" 1739 Sq. Ft.	10-.50-500 1-20mm-60	CURRENT	SPEC. D-2651-C. D-3104 APP. F.
XB-30 LOCKHEED (4) R-3350-13	AS ABOVE	382/25000/8800 -	- 32000 12000	3700 3700	- 5335/240/-	6040 5000 1300	NONE 2000 16000	51742 34000 88500 94000	123' 0" 104' 8" 1650 Sq. Ft.	10-.50-500 1-20mm-60	CANCELLED	SPEC. 1714
XB-32 CONSOLIDATED (REDESIGNATED YB-32) (4) R-3350-13 AC-1554	AS ABOVE	376/25000/8800 -	22.6/25000 30700 16500	4000 2840	4850/250/45% 4454/250/45% 1610/250/45%	4850 4454 1610	NONE 2000 20000	64961 101662 101662 101662	135' 0" 83' 0" 1422 Sq. Ft.	14-.50-500 2-20mm-100	CURRENT	SPEC. 20-33-001-C.

NOTES: UNDERLINED PERFORMANCE IS QUOTED DIRECTLY FROM A.A.F. FLIGHT TEST REPORTS. UNDERLINED WEIGHTS HAVE BEEN SUBSTANTIATED BY ACTUAL WEIGHING.

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MILITARY/ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS SPEEDS & POWER			EMPTY POUNDS DESIGN POUNDS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					
XB-33 MARTIN (4) R-2600-15 AC-18645 2	1600/29500 1750/29500 1800/ S L	345/35000/7000 -	- 38000 -	3800 -	4000/200/ - 2000/242/ - 1930/222/ -	4330 1999 1999	NONE 2000 12000	59831 92280 78856 88381	134' 0" 79' 10" 1500 Sq. Ft.	8-.50-500	CANCELLED	SPEC.222
XB-35 NORTHROP (4) R-4360- AC-21920 2	2500/40000 3000/40000 3000/ S L	380/35000/12000 -	- 40000 10000	5450 3000	8150/275/ - 4850/275/ - 2820/275/ -	10023 8356 -	NONE 10000 51200	80997 180000 150000 180000	172' 0" 51' 0" 4000 Sq. Ft.	2-.50-1000 8-.50-1000 8-.50-600	CURRENT	SPEC.WS-9
XB-36 CONSOLIDATED (6) R-4360-5 AC-22352 2	AS ABOVE	370/35000/18000 -	63.0/30000 38000 20500	5000 3360	10800/ - / - 10000/ - / - 4600/ - / -	21116 18793 8875	NONE 10000 70400	127925 265000 269039 269039	230' 0" 163' 0" 4772 Sq. Ft.	10-.50-1000 4-37mm-100 1-37mm-300	CURRENT	SPEC.ZD-35- 001-A.
XB-38 BOEING (4) V-1710-89 AC-28120 1	1100/25000 1425/25000 1425/ S L	327/25000/5700 -	- 29600 5400	3600 -	3600/ - / - 2400/226/ - 1900/226/ -	2800 2078 1683	NONE 3000 6000	34748 58000 56000 56000	103' 11" 74' 0" 1420 Sq. Ft.	1-.30-500 2-.50-400 4-.50-500	-	SPEC.R-424
XB-39 GENERAL MOTORS (4) V-3420-11 AC-27331 1	2100/25000 2600/25000 2600/ S L	388/25000/10400 -	26.5/25000 39000 11500	4250 3350	5700/353/ - 4800/250/ - 3100/253/ -	6857 5174 3787	NONE 2000 20000	71177 120000 110257 120000	141' 3" 98' 2" 1739 Sq. Ft.	10-.50-500 1-20mm-60	CURRENT	SPEC.X-15 REP.A-90 APP. I & 2
XB-40 VEGA (4) R-1820-65 AC-32718 1	1000/25000 1200/25000 1200/ S L	292/25000/4800 -	- 26500 -	4600 3300	2460/192/ - 2260/196/ - -	2520 2260 -	NONE NONE -	38235 63295 58000 -	103' 9" 73' 10" 1420 Sq. Ft.	14-.50-800	CANCELLED	SPEC.R-493
XB-41 CONSOLIDATED (4) R-1830-43 AC-36959 1	1100/25000 1200/25000 1200/ S L	285/25000/4800 -	- 28500 -	5000 2800@ 50000	3100/200/ - -	2814 -	NONE -	37055 63000 -	110' 0" 66' 4" 1048 Sq. Ft.	14-.50-800	CANCELLED	SPEC.ZD-32- 015
XB-42 DOUGLAS (2) V-1710-103 AC-40188 2	1000/20000 1150/22400 1325/ S L	419/25700/2400 -	45.0/25000 27000 20000	6300 2650	5700/240/ - 2090/238/ - -	1850 650 -	NONE 8000 -	18577 33335 33000 -	70' 6" 53' 8" 555 Sq. Ft.	4-.50-350 2-.50-500	CURRENT	SPEC.DS-459 (FORMERLY XA-42)
XB-43 BOEING - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	CURRENT	-
XB-44 BOEING (4) R-4360-33 -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	CURRENT	-

NOTES:

SIMILAR TO B-29 EXCEPT FOR P. &amp; W.-2 STAGE ENGINES IN LIEU OF R-3350 AND PROPELLER CHANGE.

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MILITARY/ALT. TAKE-OFF S. L. WAR EMERG/ALT.	SPEEDS MAX. ALT./HP LANDING	CLIMB TIME TO FL. SERV. CEIL. CEIL.-1.2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					DESIGN MILES	DESIGN GALLONS	DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
XFM-1 BELL (2) V-1710-13	1000/25000 1150/25000 1150/ SL NONE	<u>271/20000/ -</u>	10.0/15000 30500	1500	2600/180/35% 800/244/75%	800 400 400	NONE NONE 600	13376 - 17333 17933	69'10" 44'10" 684 Sq. Ft.	2-.30-500 2-.50-500 2-37mm-110	CRASHED & SURVEYED	SPEC. - A-19-967 & 974.
AC-8773 1												
YFM-1 BELL (2) V-1710-23	AS ABOVE	270/20000/ - 77	10.3/15000 30500	1300	A S	A B O V E	13630 - 19000 19901	70' 0" 46' 0" 600 Sq. Ft.	AS ABOVE	SERVICE TEST	SPEC. 1Y012-D	
AC-11122 8												
YFM-1A BELL (2) V-1710-23	AS ABOVE	270/20000/ - 77	10.3/15000 30500	1300	A S	A B O V E	13962 - 19301 19901	A S A B O V E	SERVICE TEST	SPEC. - (TRICYCLE GEAR)		
AC-11122 3												
YFM-1B BELL (2) V-1710-41	960/12000 1090/13200 1090/ SL NONE	<u>269/12500/ -</u> 77	10.5/15000 29900	1300	A S	A B O V E	13023 20900 18373 18973	A S A B O V E	SERVICE TEST	SPEC. - PHO-M-19- 1102-A.		
AC-11122 2												
XP-38D CURTISS (1) R-1830-13	900/10000 - 1050/ SL NONE	<u>291/ 8600/ -</u>	- - - NONE	- - - - 1156	1290/211/35% 500/272/75%	162 104 NONE	NONE NONE NONE	4493 5840 5470 NONE	37' 4" 28' 6" 235 Sq. Ft.	4-.30-500	PROJECT COMPLETED	SPEC. - 19-430- 103-A.
XP-38E CURTISS (1) R-1830-13	AS ABOVE	<u>289/ 8600/ -</u>	- - - NONE	- - - - 1156	A S	A B O V E		AS ABOVE	8-.30-500	PROJECT COMPLETED	SPEC. - M-51-552 SPEC. -	
ZXP-38F CURTISS (1) R-1830-13	AS ABOVE	<u>265/9000/ -</u>	- - - NONE	- - - - -	A S	A B O V E		AS ABOVE	2-23mm-100	OBsolete		
XP-37 CURTISS (1) V-1710-11	1000/25000 1150/25000 1150/ SL NONE	340/20000/ - 75	7.0/20000 25000 NONE	1825	- 485/303/75%	148 104 NONE	NONE NONE NONE	5272 6643 6350 NONE	37' 4" 31' 0" 235 Sq. Ft.	1-.30-500 1-.50-200	PROJECT COMPLETED	SPEC. -
AC-9555 1												
YP-37 CURTISS (1) V-1710-21	AS ABOVE	<u>340/20000/ -</u> 85	8.1/20000 34000 NONE	1306	870/305/75% <u>570/308/75%</u> NONE	164 108 NONE	NONE NONE NONE	5723 7178 6889 NONE	37' 4" 32'10" 235 Sq. Ft.	AS ABOVE	SERVICE TEST	P-637-20 EXP.-M-19- 430-1041-A.
AC-10535 13												
XP-38 LOCKHEED (1) V-1710-27&-29	1000/25000 1150/25000 1150/ SL	<u>413/20000/ -</u>	5.5/20000 38000	2400	- 413/413/ - NONE	400 230 NONE	NONE NONE NONE	11507 15416 13964 NONE	52' 0" 37'10" 328 Sq. Ft.	4-.50-205 1-20mm-60	CRASHED	SPEC. 1902 (PRESSURE CABIN)
AC-13205 1												

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945.

FIGHTER	MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. - 1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 52' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-BDS. OF AMM. PER GUN	STATUS	REFERENCE	
						MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
YP-38	LOCKHEED (1) V-1710-278-29	1000/25000 1150/25000 1150/ S L NONE	405/20000/- 80	6.0/20000 -	2200 2200	1150/250/50% 650/330/75% NONE	410 230 NONE	NONE NONE NONE	11171 14348 13500 NONE	52' 0" 37' 10" 327 Sq. Ft.	2-.30-500 2-.50-200 1-37mm-15	SERVICE TEST	SPEC. 1611
AC-12523	13												
XP-38A	LOCKHEED (1) V-1710-278-29	AS ABOVE	413/20000/-	6.5/20000 38000	2400 2400	- 1 HR. ENDURANCE 413 MPH NONE	400 230 NONE	NONE NONE NONE	11507 15416 13964 NONE	AS ABOVE	4-.50-205	PROJECT COMPLETED	SPEC. 1902 (PRESSURE CASIN)
AC-13205	1												
XP-39	BELL (1) V-1710-93	1000/19300 1150/21300 1325/ S L NONE	390/24000/1150	13.5/24000 32000 NONE	3000 3000	2 HR. ENDURANCE - NONE	225 100 NONE	NONE NONE NONE	6936 9940 9083 NONE	35' 10" 31' 11"	6-.50-215	CONVERTED TO XP-39B	SPEC. 23- 947-001.
AC-18373	3												
ZYP-39	BELL (1) V-1710-37	960/12000 1090/13300 1090/ S L NONE	368/13600/- 70	4.6/13120 33300 NONE	3000 3000	730/208/- 450/308/- NONE	169 104 NONE	NONE NONE NONE	4955 7120 6592 NONE	34' 0" 30' 2" 213 Sq. Ft.	2-.30-350 2-.50-200 1-20mm-15	OBSOLETE	SPEC. -
AC-12635	1												
YP-39A	BELL (1) V-1710-31					SIMILAR TO YP-39 EXCEPT FOR ALTITUDE ENGINE WITHOUT TURBO SUPERCHARGER. (RECONVERTED TO YP-39 AND DESIGNATION CANCELLED.)							
AC-12635	1												
XP-39B	BELL (1) V-1710-37	AS ABOVE	<u>375/15000/-</u> 103	- NONE	1400	1400/190/35% 600/310/75% NONE	200 115 NONE	NONE NONE NONE	4530 6450 5834 NONE	34' 0" 29' 9" 213 Sq. Ft.	AS ABOVE	REWORKED XP-39	SPEC. - W-19-130- 1035-45A.
AC-10341	1												
XP-39E	BELL (1) V-1719-47	1000/19300 1150/21300 1325/ S L NONE	390/24000/1150	13.5/24000 32000 NONE	3000 3000	2 HR. ENDURANCE - -	225 100 150	NONE NONE 600	6936 9940 9083 10037	35' 10" 31' 11" 236 Sq. Ft.	6-.50-215	P-39D ALTERNATION	SPEC. 23- 945-001.
AC-18373	3												
XP-40	CURTISS (1) V-1710-19	1000/10000 1150/10000 1060/ S L NONE	<u>342/12200/-</u> -	- NONE	1350 1700	1180/200/35% 460/299/75% 400/299/75%	158 100 100	NONE NONE 120	5417 6870 6256 6380	37' 4" 31' 1" 235 Sq. Ft.	1-.30-500 1-.50-200	PROJECT COMPLETED	SPEC. 6493 A-19-903- 934.
AC-10136	1												
XP-40F	CURTISS (1) V-1650-1					P-40D CONVERTED WITH ENGINE CHANGE.							SPEC. 96-610- 8-7437A.
AC-12414	1												
YP-40F	CURTISS (1) V-1650-1					SAME AS XP-40F EXCEPT COOLANT SYSTEM REMOVED TO REAR.						SERVICE TEST	SPEC. 7437A
-	1												

NOTES:  
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FIGHTER		AIRPLANE CHARACTERISTICS & PERFORMANCE											DATE: 1 Apr 1945				
MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MILITARY/ALT. TAKE-OFF S. L. WAR EMERG/ALT	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1.2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND-OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS SPEEDS % POWER				DIMENSIONS		ARMAMENT NO. OF GUNS CAL-RDS. GUN AMM. PER GUN	STATUS	REFERENCE				
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS	SPAN LENGTH WING AREA	FOUNDS DESIGN POUNDS							
XP-40K (1) V-1650-1	CURTISS																SPEC. 7437 K
ONE MODEL P-40X-10-CU REWORKED INTO THE XP-40K FOR EXPERIMENTAL FLIGHT TEST OF ENGINE & ENGINE INSTALLATION DEVELOPMENT. FOLLOWING CHANGES MADE: P-38 SPINNER AND BULKHEAD INSTALLED; CARBURETOR AIR SCOOP AND SIDE COWLING REVISED TO FIT SMALLER BULKHEAD; NEW COWLING AND FORMERS MADE UP FOR SECTION BELOW ENGINE; EXPERIMENTAL ENGINE MOUNTS; OIL; COOLANT RADIATORS MOUNTED UNDER CENTER SECTION OF WING; LEADING EDGE OF CENTER SECTION OF WING REBUILT TO ACCOMMODATE DUCTING FOR NEW RADIATORS; P-40F EXPERIMENTAL EXPANSION TANK MOUNTED ON SPINNER BULKHEAD.																	
XP-40Q (1) V-1710-121	CURTISS	1000/21000 1100/25000 1325/ SL 1800/ SL	<u>422/20500/1700</u>	<u>4.8/20000</u> 39000 NONE	-	-	-	-	9000	35' 3" 35' 4"	2-.50-291	PROJECT	SPEC. - FWG-47- 1728-A. (4-5-44)				
XP-41 (1) R-1830-19	REPUBLIC	1080/4000 1080/11000 1200/ SL	323/15000/-	- NONE	1500	1860/226/- 730/292/- NONE	230 150 NONE	NONE NONE NONE	5389 5600 NONE	36' 0" 27' 0" 220 Sq. Ft.	1-.30-500	PROJECT	SPEC. 98-600 -A-1.				
AC-8892		NONE	-	NONE	1500	NONE	NONE	NONE	NONE	220 Sq. Ft.	1-.50-200	COMPLETED					
XP-42 (1) R-1830-31	CURTISS	1000/8500 1000/11500	<u>315/15000/-</u>	-	950	1210/220/35% 730/286/75% NONE	161 105 NONE	NONE NONE NONE	4818 6260 5919	37' 4" -	1-.30-500	PROJECT	SPEC. -				
AC-10135		1050/ SL NONE	-	NONE	1490	NONE	NONE	NONE	NONE	235 Sq. Ft.	1-.50-200	COMPLETED	A-19-922 A-19-908.				
YP-43 (1) R-1830-35	REPUBLIC	1100/1000 1100/20000 1200/20000 1200/ SL	<u>349/20200/1200</u>	<u>5.5/15000</u>	1600	1250/175/40% 850/275/75% NONE	218 145 NONE	NONE NONE NONE	5488 7300 6910 NONE	36' 0" 25' 6"	2-.30-500	REDESIGNATED	SPEC. 60-A. FWG-10-3- 1212-A.				
AC-12643		NONE	-	NONE	1850	NONE	NONE	NONE	NONE	224 Sq. Ft.	2-.50-200	P-43					
XP-45	BELL																CANCELLED - REDESIGNATED P-39C
XP-46 (1) V-1710-39	CURTISS	1000/11000 1150/11800 1150/ SL NONE	<u>355/12200/1150</u>	<u>5.0/12300</u> 29500 NONE	-	58 MIN. # 332 NONE	156 103 NONE	NONE NONE NONE	5625 7666 7081 NONE	30' 4" 30' 2" 208 Sq. Ft.	4-.30-500	PROJECT	SPEC. 7651				
AC-13447		NONE	-	NONE	-	NONE	NONE	NONE	NONE	208 Sq. Ft.	2-.50-200	COMPLETED	PHO-M-19- 1074-A.				
XP-46A (1) V-1710-39	CURTISS																SAME AS XP-46 EXCEPT FOR NO GUNS, B.P. GLASS OR RADIO.
AC-13447																	PROJECT COMPLETED
XP-47 (1) V-1710-39	REPUBLIC	AS ABOVE	400/15000/1150	5.0/15000	2400	1475/269/35% 570/347/75% NONE	130 103 NONE	NONE NONE NONE	5041 6570 6400 NONE	41' 0" 35' 0" 300 Sq. Ft.	4-.30-500 2-.50-200 2-.50-200 ALTERNATE	CANCELLED	SPEC. 82P				
AC-13817			-	NONE	2300	NONE	NONE	NONE	NONE	300 Sq. Ft.	2-.50-200	CANCELLED					
XP-47A (1) V-1710-39	REPUBLIC																SAME AS XP-47 EXCEPT ALL ARMAMENT & RADIO EQUIPMENT IS OMITTED.
AC-13817			-	NONE	2300	NONE	NONE	NONE	NONE								CANCELLED

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

FIGHTER	MODEL & MFR. (NG.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. - 1.2 ENGS. OUT	T. O. & LAND T. O. OVER SERV. CEIL. LAND OVER SERV. CEIL.	RANGE WITH & SPEEDS & POWER		DIMENSIONS SPAN WING AREA	WEIGHTS EMPTY GROSS MAX. GROSS	ARMAMENT	STATUS	REFERENCE	
						MAXIMUM DESIGN MILES	MAXIMUM STICK % THROTTLE						
XP-47B	REPUBLIC (1) R-2800-35	1625/25000 2000/25000 2000/ SL NONE	412/2500/190	5.0/15000 38000 NONE	2650 2650	1170/ - / - 575/335/795 NONE	210 NONE	NONE NONE NONE	8650 12742 11500 NONE	AS ABOVE 2-1.50-400 2-1.50-400 ALTERNATE	CRASHED DESTROYED	SPEC. 88C FLYING BR. TEST.	
AC-13817 XP-47E	REPUBLIC (1) R-2800-21					P-47B REWORKED WITH PRESSURIZED CABIN AND RADIO COMMAND SET SCR-203							
AC-15850 XP-47F	REPUBLIC (1) R-2800-21					P-47B AIRPLANE WITH LAMINAR FLOW AIRFOIL WINGS					CRASHED		
AC-19378 XP-47H	REPUBLIC (1) XIV-2220					MODIFICATION OF P-47B TO PROVIDE TEST OF A LIQUID COOLED CHRYSLER ENGINE FOR P. & W. R-2800-21.							
XP-47J	REPUBLIC (1) R-2800-61	1700/30000 2100/30000 2100/ SL 2800/30000	*506/33500/2900	3.3/15000 - NONE	1450 2500	2660/ - / - 1225/ - / - NONE	870 370 NONE	NONE NONE NONE	9833 15760 12640 NONE	41' 0" 39' 3" 300 Sq. Ft.	4-1.50-267	CURRENT	REPUBLIC 505
AC-39160 XP-47K	REPUBLIC (1) R-2800-21		92	NONE	2500								SPEC. 411.
AC-21090 XP-47L	REPUBLIC (1) R-2800-63					SAME AS P-47D-15-RE EXCEPT FOR FUEL INCREASE IN MAIN CELL TO 65 GALLONS.							SPEC. 411.
AC-29279 YP-47M	REPUBLIC (1) R-2800-14 or-57					THREE P-47D-25-RE AIRPLANES CONVERTED TO YP-47M WITH FOLLOWING CHANGES: R-2800-14 OR-57 ENGINE IN LIEU OF -63; CH-5 TURBO SUPERCHARGER; CURTIS 836 PROPELLER; UNILEVER POWER CONTROL; AUTOMATIC INTERCOOLER & OIL COOLER COORDS; G-10 FUEL PUMP. THE YP-47M DIFFERS FROM P-47M IN THAT IT WILL NOT HAVE DIVE FLAPS OR BLUNT Nosed AILERONS.							SPEC. 45-300
AC-29279 XP-47N	REPUBLIC (1) R-2800-14 or-57					MODIFIED YP-47M INCORPORATING NEW AND LARGER WING PANELS AND CONTAINING 200 GAL. INTERNAL FUEL TANKS FOR PURPOSE OF RANGE EXTENSION IN P-47 SERIES.						CURRENT	
AC-29279 XP-48	REPUBLIC					PERFORMANCE WITH PROPOSED ENGINE INSTALLATION NOT CONSIDERED FEASIBLE.					NONE PROCESSED		SPEC. 312

NOTES:

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FIGHTER

## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. - 1/2 ENGR. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS @ SPEEDS % POWER				DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS - CAL. - RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS					
XP-49 LOCKHEED (2) X1-1430-13 & -15 AC-13476 5	1150/25000 1600/25000 1350/ S L	458/25000/3160	8.7/20000 37500	3200	- 679/ - / - NONE	425 300 NONE	NONE NONE NONE	15475 19948 18885 NONE	52' 0" 40' 1" 328 Sq. Ft.	4-.50-300 2-20mm-60	PROJECT COMPLETED	SPEC. 1585 (PRESSURE CABIN)	
XP-50 GRUMMAN (1) R-1820-67 & -69 AC-13682 1	1000/25000 1200/25000 1200/ S L NONE	424/25000/2500	5.0/20000 -	1400	- 570/317/ - -	450 217 217	NONE NONE 200	8307 - 10558 10758	42' 0" 31' 11" 304 Sq. Ft.	2-.50-500 2-20mm-60 plus 2-.50-450 (ALTERNATE)	CRASHED	SPEC. A-154	
YP-51 NORTH AMERICAN (1) V-1710-39 AC-15471 2	1000/11000 1150/11800 1150/ S L NONE	382/13000/1110	10.9/20000 30200 NONE	-	3.5 HR. @ 65% NONE	170 105 NONE	NONE NONE NONE	6258 - 7924 NONE	37' 0" 32' 3" 233 Sq. Ft.	4-.30-500 4-.50-200	PROJECT COMPLETED	SPEC. 1620 PHO-W-19- 1330-A.	
XP-51B NORTH AMERICAN (1) V-1650-3 AC-32073 2	980/26000 1120/16000 1520/13000 1300/24000 1400/ S L	PERFORMANCE OF P-51B ACCEPTABLE FOR XP-51B. (NO MFR. GUARANTEES GIVEN.)								37' 0" 32' 3" 240 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. 5655
XP-51F NORTH AMERICAN (1) V-1650-3 AC-37857 3	AS ABOVE	466/29000/1335	4.3/20000 42500 NONE	1253	2105/279/ - 650/379/75% 630/371/ -	330 105 180	NONE NONE 1000	5634 8960 7610 9060	37' 0" 32' 3" 245 Sq. Ft.	4-.50-250	CURRENT	SPEC. 5656	
XP-51G NORTH AMERICAN (1) RW-14 SM AC-37857 2	1175/12500 1675/ S L NONE	492/25200/1665	3.9/20000 44700 NONE	1215	510/315/ - -	330 180 180	NONE NONE 1000	5749 - 7858 8879	A S A B O V E		CURRENT	SPEC. 8032	
XP-51J NORTH AMERICAN (1) V-1710-119 AC-37857 2	1100/21000 1425/ - 1500/ S L 1900/ -	491/27400/1620	WE 3.6/20000 43600 NONE	1098	- -	- 105	- -	5749 - 7400 -	37' 0" 32' 11" 235 Sq. Ft.	AS ABOVE	CANCELLED	SPEC. 8131	
XP-52 BELL (1) X1-1430-5 AC-15581 1	1600/15000 1250/ S L NONE	435/20000/ -	5.3/20000 40000 NONE	3000	- -	- NONE	NONE NONE NONE	6046 - 8200 NONE	- -	6-.50-500 2-20mm-100		SPEC. 16- 945-004.	
XP-53 CURTISS (1) V-1430-3 AC-15581 1	1600/15000 1250/ S L NONE	430/18000/ -	6.4/15000 30500 NONE	2800	2 HRS. END. @ 75% NONE	204 135 NONE	NONE NONE NONE	7649 10693 9975 NONE	41' 5" 35' 3" 275 Sq. Ft.	8-.50-250		SPEC. 7853A	
XP-54 VULTEE (1) XH-2470-1 AC-15019 2	2000/25000 2300/25000 2300/ S L	409/28500/2300	17.0/26000 37000 NONE	3280	845/328/75% 490/328/75% NONE	395 223 NONE	NONE NONE NONE	15262 19063 18233 NONE	53' 10" 54' 9" 456 Sq. Ft.	2-.50-500 2-37mm-60	PROJECT COMPLETED	SPEC. 584 (PRESSURE CABIN)	

NOTES:

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

FIGHTER MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF/S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. - 1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with		FUEL with	BOMBS at	WEIGHTS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE
					* SPEEDS % POWER	MAXIMUM DESIGN MILES							
XP-55 CURTISS (1) V-1710-95 AC-29013 3	1000/13800 1125/14600 1275/ S L	390/19300/1100 80	7.1/20000 34600 NONE	1950 1950	1440/ - /600 900/296/ - NONE	210 110 NONE	NONE NONE NONE	5325 7711 6885 NONE	40' 7" 29' 0" 209 Sq. Ft.	4-.50-250	CURRENT	SPEC. -24- Z-51.	
XP-56 NORTHROP (1) R-2800-29 AC-15021 1 AC-25060 1	11675/ 5500 11825/ 15000 12050/ 1000 12875/ 12500 2000/ S L	467/25000/1650	7.2/20000 - NONE	1080 2500	660/396/75% 445/396/75% NONE	314 215 NONE	NONE NONE NONE	8699 12143 11350 NONE	42' 7" 23' 7" 307 Sq. Ft.	4-.50-300 2-20mm-60	CURRENT	SPEC. 2	
XP-57 TUCKER (1) L-510-1 AC-15449 1	569/20000 615/20000 720/ S L NONE	308/ S L / 720	11.0/18000 26000 NONE	900	900/265/ - 540/257/63% NONE	125 75 NONE	NONE NONE NONE	1918 - 3000 NONE	28' 5" 26' 7" 120 Sq. Ft.	3-.50-166 OR 1-.50-400 1-20mm-60	CANCELLED	SPEC. 1-2000- 1	
XP-58 LOCKHEED (2) V-3420-11 & -13 AC-15867 1 AC-38212 1	2100/25000 2600/25000 2600/ S L 3000/28000	430/28000/6000	15.0/25000 38500	3600 3600	2650/210/48% 1150/274/48% NONE	1700 650 NONE	NONE NONE NONE	31306 43020 38874 NONE	70' 0" 48' 3" 600 Sq. Ft.	4-.50-300 4-37mm-25 OR 6-.50-300 1-75mm-20	CURRENT	SPEC. 1870 (PRESSURE CABIN)	
XP-59 BELL (1) R-2800-23 AC-17506 2	11875/ 5500 11550/ 21500 12000/ 1000 11800/ 18500 2000/ S L NONE	450/22000	6.3/20000 39000 NONE	3000 3000	- 570/380/ - NONE	270 180 NONE	NONE NONE NONE	7958 11698 10463 NONE	40' 0" 37' 3" 286 Sq. Ft.	6-.50-300 2-20mm-70	CANCELLED	SPEC. 20-945- 001.	
XP-59A BELL (2) G.E. "1-16" AC-21931 3					A TRICYCLE GEAR, SINGLE PLANE MONOPLANE WITH JET MOTORS; (3) .50 CAL. GUNS & (1) 37mm CANNON, ALL MOUNTED IN NOSE; SCR-274 W. RADIO PROVIDED. NO OTHER INFORMATION AVAILABLE.								SPEC. 27- 945-001.
YP-59A BELL (2) G.F. "1-16" AC-21931 13	16000 R.P.W. 16500 R.P.W. 16500 R.P.W.	413/20000/ -	- 46000 -	- -	- -	590 290 NONE	NONE NONE NONE	12700 10500 NONE	49' 0" 38' 10" 400 Sq. Ft.	2-37mm-44 OR 1-37mm-44 & 3-.50-200	SERVICE TEST	-	
XP-59B BELL (2) G.E. "1-16" SC-590 80					S I M I L A R T O		XP-59A				PROJECT DISCONTINUED	SPEC. 29- 947-001.	
XP-60 CURTISS (REDESIGNATED XP-60C) (1) V-1650-1 AC-18551 1	1080/ 9500 1010/ 18200 1240/ 18500 1120/ 18500 1300/ S L NONE	390/20000/1124	7.3/15000 29000 NONE	2550 1915	725 * 995 HP - NONE	204 135 NONE	NONE NONE NONE	7008 9961 9351 NONE	41' 5" 33' 7" 275 Sq. Ft.	8-.50-250		SPEC. 823DA PHG-19- 1409-A.	
XP-60A CURTISS (1) V-1710-75 AC-28113 1					SAME AS XP-60 EXCEPT FOR ENGINE & MINOR CHANGES. DISMANTLED & PARTS USED FOR XP-60C & E AIRPLANES.							SPEC. 8509	

NOTES:  
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**QUARTERLY CHART**  
**AIRPLANE CHARACTERISTICS & PERFORMANCE**

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FIGHTER	MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG. ALT.	SPEEDS MAX./ALT./HP LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 59' OBS. LAND OVER 59' OBS.	RANGE with FUEL with BOMBS at WEIGHTS				DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE
						MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS				
YP-60A	CURTISS (1)R-2800-10					FIRST (26) P-60A AIRPLANES WERE TO HAVE BEEN USED FOR SERVICE TEST PURPOSES.						CANCELLED	SPEC. 8411
AC-35373	26												
XP-60B	CURTISS (REDESIGNATED XP-60E) (1)Y-1710-75					SAME AS XP-60A EXCEPT FOR WRIGHT AERONAUTICAL TURBO IN LIEU OF G.E.							SPEC. 8509
AC-28113	1												
XP-60C	CURTISS (1)R-2800-53	1675/5500 1625/15500 2000/1000 1800/13500 2000/3L 2000/19000	we 414/20350/2000	we 5.5/20000 35000	1325	- 135/-/- NONE	360 178 NONE	NONE NONE NONE	8601 11836 10525 NONE	41' 4" 33' 11" 275 Sq. Ft.	4-.50-250	PROJECT COMPLETED	SPEC. 8509
AC-28113	1		89	NONE	-								
XP-60D	CURTISS (FORMERLY XP-60) (1)Y-1650-3					SIMILAR TO XP-60 EXCEPT FOR ENGINE, 4 BLADED PROPELLER, G.F.E. EQUIPMENT CHANGES & INCREASED PERFORMANCE. (CRASHED 5-6-43)							
AC-18551	1												
XP-60E	CURTISS (FORMERLY XP-60A) (1)R-2800-10	AS ABOVE	405/24500/1650	we 3.9/15000 4.8/15000 34800	1265	- 135/-/- NONE	360 178 NONE	NONE NONE NONE	8283 11578 10200 NONE	AS ABOVE		PROJECT COMPLETED	SPEC. 8509
AC-28113	1		95	NONE	-								
YP-60E	CURTISS (1)R-2800-					SIMILAR TO XP-60E. TWO P-60A-1 AIRPLANES TO BE USED FOR SERVICE TEST PURPOSES.							
AC-35373	2												
XP-61	NORTHROP (2)R-2800-10	AS ABOVE	370/20900/3090	we 9.0/20000 33100	1575	1465/200/33% 1200/200/33% NONE	660 540 NONE	NONE NONE NONE	21695 28872 27576 NONE	66' 0" 48' 11" 663 Sq. Ft.	4-.50-500 4-20mm-150	PROJECT COMPLETED	SPEC. 8A ENG. 19-1605-A & 10m.
AC-17442	2		95		2150								
YP-61	NORTHROP (REDESIGNATED P-61) (2)R-2800-10					SERVICE TEST MODEL OF THE XP-61							SPEC. -88.
AC-18086	13												
XP-61D	NORTHROP (2)R-2800-57	1700/7000 2100/30000 2100/S L 2800/30000	we 430/30000/5600	13.5/30000 43000	2000	3000/205/- -	1846 528 -	- -	23207 39508 29207 -	66' 0" 48' 11" 662 Sq. Ft.	4-.50-400 4-20mm-150	CURRENT	Spec. 8F
AC-2407	2		84		1600								
XP-61E	NORTHROP (2)R-2800-65	1550/21500 1650/22500 2000/S L	we 376/17000/3860	13.0/20000 30000	2700	3750/215/- 2250/220/-	2364 1100	NONE NONE NONE	21346 40181 31423 -	AS ABOVE	4-.50-300 4-20mm-150	CURRENT	Spec. 17
AC-2407	2		87		1550								

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

FIGHTER

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT./HP. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with & SPEEDS & POWER		FUEL with MAXIMUM DESIGN GALLONS	BOMBS or NONE DESIGN MAXIMUM	WEIGHTS EMPTY POUNDS DESIGN POUNDS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN HOURS							
XP-62 CURTISS (1) R-3350-17 AC-19440 2	2100/25000 2250/28000 2300/ S L	448/27000/2250 85	6.6/15000 35700 NONE	2950 2140	575 @ 2100 HP. NONE	324 NONE	NONE NONE	11773 16651 14560 NONE	53' 8" 39' 6" 420 Sq. Ft.	8-20mm-150	CURRENT	SPEC. 8343A (PRESSURE Cabin)	
XP-63 BELL (1) V-171C-93 AC-18966 2	1000/19300 1150/21300 1325/ S L	407/20000/1150	7.0/20000 35000 NONE	3000 3000	- NONE	211 100 NONE	NONE NONE	- 7565 NONE	38' 4" 31' 8" 248 Sq. Ft.	2-.50-200	BOTH	SPEC. 24- 947-001.	
XP-63A BELL (1) V-171C-93 AC-18966 2	1000/19300 1150/21300 1325/ S L	<u>407/20000/1150</u>	<u>7.0/20000</u> 35000 NONE	3000	- 585/341/ -	136 100 100	NONE NONE 500	6218 7646 7705 8155	38' 4" 31' 8" 348 Sq. Ft.	2-.50-200 1-37mm-30	PROJECT CANCELLED	SPEC. 24- 947-001-1. ENG.-19- 625A.	
XP-63E BELL (1) V-1650-5					SIMILAR TO XP-63A EXCEPT FOR ENGINE CHANGE						CANCELLED	SPEC. 34-647 001.	
XP-65 GRUMMAN (2) R-2600-					SINGLE PLACE, TURBO SUPERCHARGED AIRPLANE WITH (2) 37mm CANNON, (4) .20mm CANNON, AND SCR-274 COMMAND SET.							CANCELLED	
XP-67 McDONNELL (1) X1-1436-173-13 (1st ART.) (2) X1-1436-13 (2nd ART.) AC-21218 2	1000/25000 1600/25000 1350/ S L	448/25000/3200 93	17.0/25000 37000 14500	3500 2500	2000/210/ - 700/270/ - NONE	735 280 NONE	NONE NONE NONE	16651 23910 21000 NONE	55' 0" 42' 0" 414 Sq. Ft.	6-37mm-45	1st. ARTICLE DESTROYED. 2nd. ARTICLE CANCELLED.	SPEC. 5-23A	
XP-68 VULTEE "TORNADO"					PROJECT DID NOT MATERIALIZE.							CANCELLED	
XP-69 REPUBLIC (1) R-2160-3 AC-22238 2	2000/25000 2350/25000 2350/ S L NONE	450/35000/2500	21.0/35000 48900 NONE	2600 2600	3000/300/ - 500/365/ - -	1300 239 -	NONE NONE -	15545 26164 18655 -	51' 8" 51' 6" 505 Sq. Ft.	4-.50-300 2-37mm-40	CANCELLED	SPEC. 412 (PRESSURE CABIN)	
XP-71 CURTISS (2) R-4360-13 AC-22851 2	<u>12500/8000</u> <u>14000/8000</u> <u>15000/8000</u> <u>16000/8000</u> <u>17000/8000</u> <u>18000/8000</u> <u>19000/8000</u> <u>20000/8000</u> NONE	428/25000/6000 97	12.5/25000 40100 -	2200 2200	3000/270/ - 1.5 HR. END. NOR. NONE	1940 900 NONE	NONE NONE NONE	31059 46951 39950 NONE	82' 2" 61' 8" 902 Sq. Ft.	2-37mm-60 1-75mm-20	CANCELLED	SPEC. 26- Z51. (PRESSURE CABIN)	
XP-72 REPUBLIC (1) R-4360-13 AC-37879 2	<u>12500/8000</u> <u>14000/8000</u> <u>15000/8000</u> <u>16000/8000</u> <u>17000/8000</u> <u>18000/8000</u> <u>19000/8000</u> <u>20000/8000</u> NONE	<u>WE</u> 490/25000/3000 <u>WE</u> 3.5/15000 42000 NONE	- -	- -	1530/315/ - 1300/300/ - -	670 370 370	NONE NONE 2000	11467 17492 15313 17313	49' 1" 36' 7" 342 Sq. Ft.	6-.50-267	CURRENT	SPEC. 507	

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

FIGHTER		DATE: 1 April 1945											
MODEL & MFR.	ENG. RATINGS	SPEEDS	CLIMB	T. O. & LAND	RANGE with	FUEL with	BOMBS at	WEIGHTS	DIMENSIONS	ARMAMENT	STATUS	REFERENCE	
(NO.) ENGINE (S)	NORMAL ALT.	MAX. ALT. H.F.	TIME TO FT.	T. O. OVER	* SPEEDS % POWER	DESIGN	DESIGN	EMPTY	SPAN	NO. OF GUNS			
CONT. NO. PLANES	MILITARY ALT.	LANDING	SERV. CEIL.	50' OBS.	MAXIMUM	MAXIMUM	NONE	POUNDS	LENGTH	CAL-RDS. OF			
	TAKE-OFF S. L.		CEIL.-1/2	LAND OVER	DESIGN	DESIGN	DESIGN	DESIGN	WING AREA	ALTERNATE			
	WAR EMERG. ALT.		ENGS. OUT	50' OBS.	MILES	GALLONS	MAXIMUM	POUNDS		WING GUNS			
XF-75 FISHER ROD	2100/17000	<u>404/20000/2300</u>	7.0/20000	1300	3850/250/-	859	NONE	11441	49' 1"	4-.50-300		SPEC. X-92	
(1) V-342C-19	2300/20000		37000	2000	3010/250/-	639	NONE	19418	41' 6"	plus	CURRENT		
AC-33962	2600/ S L	82	NONE		NONE	NONE	NONE	17878	342 Sq. Ft.	6-.50-235			
	3000/ S L							NONE					
XF-77 BELL	450/12000	350/ 8500/ 520	3.0/ 8500	1280	-	94	NONE	2760	27' 6"	2-.50-200		SPEC. 32-	
(1) XV-770-17	520/ 8500		30100		550/250/-	56	NONE	3857	22' 11"			947-001.	
AC-30864	520/ S L	92	NONE	1797	-	56	NONE	3583	100 Sq. Ft.				
	670/ S L						325	3940					
XF-78 NORTH AMERICAN					SIMILAR TO P-51 EXCEPT FOR ENGINE AND PROPELLER CHANGES AND COOLING SYSTEM.							DESIGNATION	
(1) V-165C-3												CANCELLED	
XF-79 NORTHROP					INFORMATION NOT AVAILABLE							CURRENT	
XF-80 } LOCKHEED					INFORMATION NOT AVAILABLE							CURRENT	
YF-80 }					INFORMATION NOT AVAILABLE							CURRENT	
YF-80A }					INFORMATION NOT AVAILABLE							CURRENT	
XF-81 CONSOLIDATED					INFORMATION NOT AVAILABLE							CURRENT	
XF-82 NORTH AMERICAN	<u>41150/11300</u>	<u>we</u>	<u>we</u>	2470	2600/315/-	1045	NONE	13403	51' 3"	6-.50-100		SPEC. 8030	
(1) V-165C-98-21	<u>41280/20500</u>	<u>482/25100/3600</u>	<u>4.5/20000</u>	2415	1390/334/-	600	NONE	22000	38' 1"				
AC-2029	<u>41600/7700</u>					400	NONE	19100	408 Sq. Ft.				
	<u>41950/19200</u>					400	4000	22000					
	<u>41520/ S L</u>												
XF-82A NORTH AMERICAN					SAME AS XP-82 EXCEPT FOR ENGINE CHANGE.							CURRENT	
(2) V-171C-115					INFORMATION NOT AVAILABLE							CURRENT	
AC-2029					INFORMATION NOT AVAILABLE							CURRENT	
XF-83					INFORMATION NOT AVAILABLE							CURRENT	
(2) G.F. "1-40"					INFORMATION NOT AVAILABLE							CURRENT	
XF-84 REPUBLIC					INFORMATION NOT AVAILABLE							CURRENT	

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1 T ENGS. OUT	T.O. & LAND T.O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with PERSONNEL or CARGO		WEIGHTS EMPTY POUNDS DESIGN POUNDS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS						PLACES, CREW or POUNDS
ZXC-36 LOCKHEED (2) R-1340-43 AC-8805 1	550/ S L 550/ S L NONE	240/20000/- -	- 32000 -	2000 -	860/190/50% 630/208/75%	250 250	- -	7600 10500 10500	55' 0" 39' 8" 460 Sq. Ft.	NONE	OBsolete	SPEC. 1201 (PRESSURE CABIN)
Y1C-36 LOCKHEED (2) R- 985-13 AC-9063 2 Y1C-37 LOCKHEED					LOCKHEED MODEL 10A (ELECTRA), A TEN PLACE, LOW WING MONOPLANE, RETRACTABLE LANDING GEAR, OPERATED, ALUMINUM ALLOY STRESSED TYPE FUSELAGE CONSTRUCTION.			ELECTRICALLY		(1) WRECKED (1) REDESIGNATED UC-36		
(2) R- 985-13 AC 9619 1					LOCKHEED MODEL 10A (ELECTRA), A TEN PLACE, LOW WING, ALL METAL MONOPLANE WITH RETRACTABLE LANDING GEAR AND SPECIAL CABIN FURNISHINGS AS WERE REQUIRED BY MILITIA BUREAU.			LANDING GEAR		REDESIGNATED UC-37		SPEC. 6-303-2
YC -43 BEECH (1) R- 985-17 AC-12336 3 XC -46B CURTISS	400/5000 450/ S L NONE	195/5000/400 60	11.0/10000 20000 NONE	1200 1200	775/150/52% 600/170/87%	98 77	3 PLACES PLUS 2 CREW	3019 4375 4250	32' 0" 26' 2" 296 Sq. Ft.	NONE	SERVICE TEST	SPEC. 50
(2) R-2800-34 XC-47C DOUGLAS (2) R-1830-92 AC-20669 1 XC-53A DOUGLAS					SAME AS C-46 EXCEPT FOR CURTISS-WRIGHT ENGINE, 3 BLADED PROPELLER AND NEW TWO-ZONE COWLINGS AND QUICK DETACHABLE TYPE MOUNT IN NEW FACELLES.							
(2) R-1830-82 AC-20667 1 XC-60B LOCKHEED					C-47 AIRPLANE REDESIGNATED XC-47C; EQUIPPED WITH EDO AIRCRAFT CORPORATION AMPHIBIOUS FLOATS.							
(2) R-1820-87 AC-33164 1 YC-62 WACO					SIMILAR TO C-53 EXCEPT FOR FULL SPAN, SINGLE SLOTTED FLAP AND HEATED SURFACE ANTI-ICING EQUIPMENT.							SPEC. 3364
(2) R-1830-92 AC-22368 13 YC-64 HOGRDUYM (1) R-1340-AN-1 AC-21632 7					SIMILAR TO C-60A WITH HEATED SURFACE ANTI-ICING EQUIPMENT INSTALLED.							
					AN INTERNALLY BRACED, HIGH WING MONOPLANE OF WOOD AND STEEL TUBE, FABRIC AND PLYWOOD COVERED CONSTRUCTION. WILL CARRY 22 MEN, INCLUDING CREW OF (3) FOR TRANSPORT SERVICE. AS A CARGO, PROVISIONS MADE FOR CREW OF (3) INCLUDING PILOT, CO-PILOT AND RADIO OPERATION.					SERVICE TEST		SPEC. 1131
					HIGH WING, EXTERNALLY BRACED MONOPLANE OF CONVENTIONAL STEEL TUBE AND WOOD, FABRIC COVERED. PROVISIONS FOR CREW OF FIVE.					SERVICE TEST		SPEC. 509

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY/ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. - 1/2 ENGR. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with @ SPEEDS & POWER		FUEL with DESIGN GALLONS	PERSONNEL or CARGO	WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENC
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN MILES			EMPTY POUNDS DESIGN POUNDS	PLACES CREW or POUNDS				
XC-65 STOUT (SKYCAR) (1) FRANKLIN P.O. 5530	90/ S L 90/ S L NONE	110/2500/90 55	2.0/1000 1500 NONE	1500 900	- 320/ 80/53%	- 20	- -	(2) CREW	1008 1550	35' 0" 20' 5" 125 Sq. Ft.	NONE	CRASHED	SPEC. 15	
YC-76 CURTISS (2) R-1830-92 AC-27018 YC-76A-1 CURTISS					CURTISS-WRIGHT MODEL (P-269), A (28) PLACE, AIRBORNE CARRIER OF PLYWOOD CONSTRUCTION									
(2) R-1830-92 AC-27018 ZXC-81D STINSON					SIMILAR TO C-76 EXCEPT FOR FUSELAGE DESIGN AND COLOR CHANGES.									
(1) R-985 P.O. 3426					STINSON MODEL SR-10F (RELINANT), A (5) PLACE, CABIN LAND OR SEA MONOPLANE WITH SPECIAL EQUIPMENT FOR WINDGLASSES, ETC. FOR PURPOSE OF GROUND CONTACT.									
XC-82 FAIRCHILD (2) R-2800-51 AC-30435	(1600/ 5700 1450/13000 2200/ 1500 1750/13500 2000/ S L NONE	216/7000/3400	10.0/10000 24000 8000	1950 1950	5180/144/ - 4850/143/ -	3480 3120	- -	- -	27800 50000 42000	108' 0" 76' 2" 1400 Sq. Ft.	NONE	CURRENT	SPEC. 78001-A	
XUC-86A FAIRCHILD (1) L-440-7					SIMILAR TO UC-86 EXCEPT FOR ENGINE CHANGE.									
XUC-86B FAIRCHILD (1) XC-40E-7 AC-38782					SIMILAR TO UC-86 EXCEPT FOR CHANGE FROM RANGER TO FRANKLIN ENGINE.									
XC-87 BOEING (4) R-3350-23 AC-34438	2000/25000 2200/25000 2200/ S L NONE	332/25000/8800	45.0/25000 30500 20500 (3 ENGINES)	5000	3730/217/ - 2700/ - / -	5785 4390	10920# 20022#	- -	70122 120000 120000	141' 3" 110' 4" 1739 Sq. Ft.	NONE	CURRENT	SPEC. D-4233	
XC-88 CONSOLIDATED (6) R-4360-5 AC-34454	2500/40000 3000/40000 3000/ S L NONE	335/30000/18000	38.0/20000 30000 20000 (5 ENGINES)	5000 4900	- 9250/173/ - 1700/200/ -	- 20814 5085	- 1500# 100000#	- -	129871 265000 265000	230' 0" 182' 6" 4772 Sq. Ft.	NONE	CURRENT	SPEC. ZD-37-001.	
XC-105 BOEING (REDESIGNATED XB-15) (4) R-1830-11					XB-15 REDESIGNED TO TRANSPORT TYPE WITH REMOVAL OF BOMR RAILS AND TURRETS, AND INSTALLATION OF CARGO DOORS, HOISTS, FLOOR, BOXES AND TIE-DOWN LOOPS.									
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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with PERSONNEL at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS					PLACES, CREW or POUNDS
XC-107 STOUT (1) C-290											SPEC. 103
XC-108 BOEING (4) R-1820-97											
YC-108 VEGA (4) R-1820-97											
XC-108A BOEING (4) R-1820-97											
XC-108B BOEING (4) R-1820-97											
XC-109 FORD (4) R-1830-43											
XC-112 DOUGLAS (4) R-2800-22W											SPEC. 478
XC-112A DOUGLAS (4) R-2800-C											CANCELLED  FORMERLY XC-115

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

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DATE: 1 Apr 11 1945

MODEL & MFR. (NG.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. HP. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1.2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with		FUEL with		BOMBS at		WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	STATUS	REFERENCE
					with	with	with	with	with	with	EMPTY	POUNDS DESIGN POUNDS				
XL-5F CONSOLIDATED (1) C-435-1					SIMILAR TO L-59 EXCEPT FOR		24-VOLT ELECTRICAL SYSTEM AND SCR-274W RADIO. THE ENGINE HAS AN		ACCESSORY DRIVE CASE. (REDESIGNATED L-5F-VW)		O-435-2			REDESIGNATED L-5F-VW		
XL-8 INTERSTATE (1) XC-200-5 P.O. 14016 XL-13 FAIRCHILD (1) C-435	110/ S L NONE 110/ S L NONE	<u>114/ S L/ 110</u> -	<u>1.0/ 950</u> 18000 NONE	<u>1000</u> -	650/105/ - 325/105/ - NONE	40 20 NONE	NONE NONE NONE	1089 1625 1625 NONE	35' 6" 23' 5" 174 Sq. Ft.	NONE	MODEL XO-63 REDESIGNATED	SPEC. 43A FS-M-19-1518A.				
XF-11 HUGHES (2) R-4360-31 AC-1079	2500/40000 3000/40000 3000/ S L	450/33000/6000 100	17.4/33000 42000 18000	4000 3500	5000/ - / - 4000/ - / -	2650 2050	NONE NONE NONE	39392 58315 47500	101' 4" 65' 5" 983 Sq. Ft.	NONE	CURRENT	SPEC. D1-1				
XF-12 REPUBLIC (4) R-4360-31 AC-2135 XF-13 BOEING (4) R-3350-23	AS ABOVE	465/40000/12000	32.0/40000 49000 25000	3000 3300	4500/ - / - 2400/400/ - 3000/400/ -	5550 4350 5550	NONE NONE NONE	71308 -	129' 2" 93' 6" 164 Sq. Ft.	NONE	CURRENT	SPEC. 524				
XF-14 LOCKHEED (1) L-40 AC-2393					B-29 CONVERTED FOR PHOTOGRAPHIC USE.							CURRENT				
					YP-80A CONVERTED FOR PHOTOGRAPHIC USE.							CURRENT				

NOTES:

\* TESTED AT GROSS WEIGHT OF 1650 LB.

UNDERLINED PERFORMANCE IS QUOTED DIRECTLY FROM A.A.F. FLIGHT TEST REPORTS. UNDERLINED WEIGHTS HAVE BEEN SUBSTANTIATED BY ACTUAL WEIGHING.

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

OBSERVATION

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. H.T. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGR. OUT	T.O. & LAND T.O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with & SPEEDS & POWER		FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS				
YO-50 BELLANCA (1) V-770-1	420/ S L 420/ S L NONE	<u>126/ S L/420</u> 27	<u>10.0/10000</u> 19420 NONE	300 410	<u>240/114/75%</u> <u>230/114/75%</u> NONE	54 52 NONE	NONE NONE NONE	3088 <u>3287</u> <u>3287</u> NONE	55' 6" 35' 2" 491 Sq. Ft.	NONE	NONE IN SERVICE	SPEC. A-1 PHC-M-19- 1163-A.
AC-13148 3 YO-51 RYAN (1) R-985-21	420/ S L 440/ S L NONE	<u>130/ S L/ -</u> 30	<u>13.1/10000</u> 19700 NONE	482 337	- <u>266/119/75%</u> NONE	52 52 NONE	NONE NONE NONE	3432 4200 4200 NONE	52' 0" 34' 5" 400 Sq. Ft.	NONE	SENT TO TRAINING SCHOOLS	PHC-M-19- 1104-A
AC-13101 3 YO-54 STINSON (1) O-170-1	80/ S L 80/ S L NONE	100/ S L/80 50	- 10500 NONE	475 350	330/ 94/75%	20 NONE	NONE NONE	928 1580 NONE	34' 0" 22' 2" 155 Sq. Ft.	NONE	NONE IN SERVICE	-
AC-41-1071 6 YO-55 ENG. R. RESEARCH CORP. (1) YO-170-3	65/ S L 65/ S L NONE	112/ S L/ 65 45	- 10000 NONE	1000 650	300/100/81%	14 NONE	NONE NONE	718 1300 NONE	30' 0" 20' 2" 143 Sq. Ft.	NONE	NONE IN SERVICE	-
PC-41-7100 7 YO-57 TAYLORCRAFT (1) YO-170-3	AS ABOVE	92/ S L/ -	- 11000 NONE	- -	- -	14 14 NONE	NONE NONE NONE	840 1250 1250 NONE	35' 4" 22' 9" 181 Sq. Ft.	NONE	REDESIGNATED L-2	SPEC. A-100
AC-21189 4 YO-58 AERONCA (1) YO-170-3	AS ABOVE	87/ S L/ 65 42	- 10000 NONE	1200 950	218/ 79/75%	12 NONE	NONE NONE NONE	780 - 1200 NONE	35' 0" 22' 4" 158 Sq. Ft.	NONE	REDESIGNATED L-3	SPEC. 3966
AC-21190 4 YO-59 PIPER (1) YO-170-3	AS ABOVE	87/ S L/ 65 38	15.0/ 5000 9800 NONE	737 605	206/ 75/76%	12 12 NONE	NONE NONE NONE	740 1160 1160 NONE	35' 3" 22' 5" 179 Sq. Ft.	NONE	REDESIGNATED L-4	SPEC. 1
AC-21191 4 XO-60 YO-60 KELLET (1) K-915-3	300/3700 330/ S L NONE	127/ S L/ - 30	8.0/10000 19000 NONE	250 50	217/103/80%	34 NONE	NONE NONE NONE	1960 - 2640 NONE	42' 0" 21' 5" ROTOR DISC. 1385 Sq. Ft.	NONE	(6) YP-60 SERVICE TEST (7) XO-60	SPEC. 12022
AC-21921 13 XO-61 YO-61 A.G.A. (1) R-915-3	AS ABOVE	103/ S L/ - 29	14.0/10000 11000 NONE	250 250	360/180/ - NONE	33 NONE	NONE NONE NONE	2336 - 3038 NONE	48' 0" 28' 6" 1810 Sq. Ft.	NONE	CANCELLED	SPEC. 1333
AC-21450 11 XO-63 INTERSTATE (1) FRANKLIN 4ALG- 199	110/ S L 110/ S L NONE	114/ S L/110 -	1.0/ 950 18000 NONE	- -	650/105/ - 325/105/ - NONE	40 20 NONE	NONE NONE NONE	1089 1745 1625 NONE	35' 6" 23' 5" 174 Sq. Ft.	NONE	REDESIGNATED XL-6	SPEC. 43A

NOTES:  
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PORTS. UNDERLINED WEIGHTS HAVE BEEN SUBSTANTIATED BY ACTUAL WEIGHING.

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG./ALT.	SPEEDS MAX./ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
XR-1 PLATT-LEPAGE (1) R-985-21 AC-15375 1	420/ S L NONE 440/ S L NONE	110/ SL/ - 0	10.0/10000 16000 NONE	0 0	400/100/ - NONE	100 NONE	NONE	4030 5200 NONE	2x 31.5 Dia. ROTOR DISC. 1560 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. R-19
XR-1A PLATT LEPAGE (1) R-985-AN-1 P.O. 4609 1	450/ S L NONE 450/ S L NONE	100/ SL/450 0	10.0/10000 16000 NONE	0 0	400/ 90/ - NONE	100 NONE	NONE	4121 5300 NONE	AS ABOVE	NONE	*	SPEC. R-41
YR-1A PLATT LEPAGE (1) R-985-AN-1 AC-2033 7	AS ABOVE	120/ SL/450 0	10.0/12000 16000 NONE	0 0	400/100/ - NONE	100 NONE	NONE	4066 5216 NONE	AS ABOVE	NONE	*	SPEC. S-144
XR-2 KELLETT (1) R-315-1 AC-9672 1					SIMILAR TO THE YG-1C EXCEPT FOR ENGINE CHANGES, ROTOR DRIVE SYSTEM, AND OTHER REFINEMENTS.						*	SPEC. XC-417-2.
XR-3 KELLETT (1) R-755-3 AC-9672 1					MODIFIED YG-1R AUTOGIRO WITH FLEXIBLE PYLON MOUNT, IMPROVED ROTOR STARTER, AND A FEATHERING ROTOR SYSTEM.						*	SPEC. XC-417-3.
XR-4 VOUGHT SIKORSKY (1) R-500-3 AC-15967 1					REDESIGNATED XR-4C.						*	SPEC. R-550-1
YR-4A YR-4B SIKORSKY (1) R-550-1 AC-29005 55	180/ S L NONE 190/ S L NONE	75/ SL/180 0	45.0/8000 8000 NONE	0 0	130/145/ - 65/145/ -	30 14 14	NONE ** 1-325	2026 2569 2694	38' 0" Dia. 35' 5" ROTOR DISC. 1130 Sq. Ft.	NONE	(3)YR-4A SERVICE TEST (52)YR-4B SERVICE TEST	SPEC. 5922A
XR-4C SIKORSKY (1) R-550-1 AC-29005 55	AS ABOVE	<u>83/ SL/165</u> 0	<u>16.0/ 7300</u> 8000 NONE	0 0	90/ 60/75% -	25 14	- NONE	1927 2400	38' 0" Dia. 38' 3" ROTOR DISC. 1130 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. 5922A
XR-5 SIKORSKY (1) R-985-AN-5 OA-2514 2	450/ S L -	93/5000/400 0	15.0/10000 14400 NONE	0 0	372/ - / - -	100 -	-	3625 4850	48' 0" Dia. 41' 10" ROTOR DISC. 1660 Sq. Ft.	NONE	(2)REDESIGNATED XR-5A	SPEC. 5930
YR-5 SIKORSKY (1) R-985-AN-1 AC-36119 26					2 PLACE, ROTARY WING AIRCRAFT WITH 3-BLADE ROTOR AND ONE TAIL ROTOR.						SERVICE TEST	SPEC. 5930

NOTES:

\* PERFORMANCE FOR XR-4 WITH 165 H.P. ENGINE AND 36 FT. DIA. ROTOR. THE XR-4C SAME AS XR-4 EXCEPT FOR ENGINE AND ROTOR CHANGE.  
\*\* BOMB LOAD CARRIED ON (26) YR-4B5

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG/ALT.	SPEEDS MAX./ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS & SPEEDS % POWER			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM				
XR-5A SIKORSKY (1) R-985-AN-5					SAME AS XR-5 WITH ADDITIONAL EQUIPMENT AND MODIFICATIONS REQUESTED BY BRITISH					CURRENT	
DA-2514 2 YR-5A SIKORSKY (1) R-985-AN-1					SERVICE TEST MODEL OF XR-5A						Spec. 406
AC-41023 26 YR-5C SIKORSKY (1) R-1340					SIMILAR TO YR-5A EXCEPT FOR TRICYCLE LANDING GEAR; TWO TAIL ROTORS; "WASP" ENGINE; AND REDESIGNED FORWARD CABIN STRUCTURE.					SERVICE TEST	
XR-5 SIKORSKY (1) O-435-7	225/ S L NONE	95/ SL/225	10.0/10000 15000 NONE	0	-	50	NONE	1990	38'0" DIA. 38'3" ROTOR DISC. 1134 Sq.Ft.		Spec. 5923
AC-35340 1 XR-6A SIKORSKY (1) O-405-9	225/ S L NONE	0	143/100/65%	0	430/ 80/ - 125/ 80/ - 100/ 75/ -	20	NONE	2590		CURRENT	
AC-35340 4 YR-6A SIKORSKY (1) O-405-9	240/ S L NONE	105/ SL/245	10.0/10000 15000 NONE	0	430/ 80/ - 125/ 80/ - 100/ 75/ -	70	NONE	1990 2925 2625 3325	A S A B O V E	CURRENT	
AC-40217 26 XR-7 SIKORSKY (1) O-405-					IDENTICAL TO XR-6A FOR SERVICE TEST:						
AC-35340 1 XR-8 KELLETT (1) O-405-9	240/ S L NONE	80/ S L/245	14.0/10000 6500 NONE	0	425/ - / - 200/ - / -	74	NONE	2123 3190 2950	2 x 36'0" DIA. 40'0" ROTOR DISC. 1164 Sq.Ft.	CURRENT	Spec. 120-23
AC-40711 2 XR-8A KELLETT (1) XO-405-9	240/ S L NONE	0		0	SAME AS THE XR-8 EXCEPT THAT IT HAS 2 BLADED ROTORS INSTEAD OF 3 BLADED.					CURRENT	Spec. 120-23
AC-40711 1 XR-9 S & A (1) XO-290-5	126/ S L NONE	94/ SL/126	- 12400 NONE	0	260/ 74/ - 175/ 75/ -	25	NONE	1022 1387 1333	28'0" DIA. 28'0" ROTOR DISC. 615 Sq. Ft.	CURRENT	Spec. All-74
AC-1708 2	126/ S L NONE	0		0		16	NONE			CURRENT	

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AIRPLANE CHARACTERISTICS & PERFORMANCE

ROTARY

DATE: April 1945

MODEL & MFR. (NO.) ENGINE (S)	ENG. RATINGS NORMAL/ALT. MILITARY/ALT. TAKE-OFF S. L. WAR EMERG/ALT	SPEEDS MAX. ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1.2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with				DIMENSIONS	ARMAMENT	STATUS	REFERENCE
					SPEEDS % POWER		WEIGHTS					
CONT. NO. PLANES					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS	WING AREA			
XR-9A G & A (1) O-290-5					SAME AS XR-8 EXCEPT THAT IT HAS A TWO-BLADE ROTOR SYSTEM INSTEAD OF THREE.						CURRENT	Spec. 40-74
AC-1708 XR-10 KELLETT (2)XR-975-15	525/ S L NONE 525/ S L NONE	126/ SL/1050 0	11.5/10000 19800*	0 0	693/ 90/ - -	480 -	NONE -	7556 10300 -	2 x 65' DIA. 71'0" ROTOR DISC. 6620 Sq. Ft.	NONE	CURRENT	Spec. 120-30

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT. R.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS & SPEEDS % POWER			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
YG-1 KELLETT (1) YR-755-1					KELLETT MODEL KC-1 AUTOGIRO WITH CHANGES. (CRASHED; REWORKED; DEMOLISHED IN CRASH).						KD-1	
AC-7670												
YG-1A KELLETT (1) YR-755-1					SIMILAR TO YG-1 WITH MINOR IMPROVEMENTS, INCLUDING INSTALLATION OF HIGH FREQUENCY RADIO.						YG-1 #1	
AC-8606												
YG-1B KELLETT (1) R-755-3	NONE 225/ S L NONE	106/ SL /225 0	6.1/5000 12200 NONE	555 209	- 160/ 80/ -	30 30 30	NONE NONE NONE	1619 2244 2244 2244	40' DIA. 25' 0" 1257 Sq. Ft. (DISC AREA)	NONE	(1) CONVERTED to XR-2. (2) CONVERTED to XR-3.	10-120-1
AC-9672												
YG-1C KELLETT (1) R-755-3	AS ABOVE		5.8/5000 14400 NONE	654 215	- 160/ 80/ -	30 30 30	NONE NONE NONE	1619 2240 2240 2240	AS ABOVE	NONE	CONVERTED to XR-2.	8-120-1
AC-9672												

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## QUARTERLY CHART

PAGE 26

TRAINING, PRIMARY

## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF/S. L. WAR EMERG. ALT.	SPEEDS MAX. ALT./H.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CELL-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS & SPEEDS % POWER			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT No. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
YPT-14 WACO (1) R-670-3 AC-12611 13	220/ S L NONE 220/ S L NONE	132/ SL/220 -	15.0/10000 15000 NONE	875 1000	550/100/50% 400/116/75% NONE	50 50 NONE	NONE NONE NONE	1898 2650 2650 NONE	30' 0" 26' 10" 23' 6" 224 Sq. Ft.	NONE	REDESIGNATED PT-14	SPEC. 4491
XPT-15 ST. LOUIS YPT-15 (1) R-760-1 P.O.-5460 AC-12610 13	225/ S L NONE 225/ S L NONE	124/ SL/225 -	19.4/10000 14500 -	773 718	400/100/50% 357/105/65% NONE	41 41 NONE	NONE NONE NONE	2058 2766 2766 NONE	33' 10" 25' 0" 298 Sq. Ft.	NONE	XPT-15 CRASHED. YPT-15 RE- DESIGNATED ZPT-15	EXP. 10-414- 1047A
XPT-16 RYAN YPT-16 (1) L-365-1 P.O.-5607 AC-12652 15	125/ S L NONE 125/ S L NONE	128/ SL/125 -	15.0/ 9000 15000 -	1000 1000	400/100/54% 360/105/64% NONE	24 24 NONE	NONE NONE NONE	1084 1600 1600 NONE	36' 0" 21' 6" 124 Sq. Ft.	NONE	XPT-16 COMPLETED. YPT-16 RE- DESIGNATED PT-16A	SPEC. 4490
XPT-23 FAIRCHILD (1) R-670-5 AC-15519 1	220/ S L NONE 220/ S L NONE	131/ SL/215 -	16.2/10000 15600 NONE	- -	463/105/54% -	45 45 NONE	NONE NONE NONE	2619 2619 NONE	35' 11" 27' 8" 200 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. 6315 PHO-M-19- 1251-A- SPEC. 12024
ZYPT-25 RYAN (1) O-435-1 AC-21204 5					LOW WING CANTILEVER MONOPLANE WITH 185 HP ENGINE. (REDESIGNATED ZYPT-25)						OBSOLETE	

## NOTES:

UNDERLINED PERFORMANCE IS QUOTED DIRECTLY FROM A.A.F. FLIGHT TEST RE-  
PORTS. UNDERLINED WEIGHTS HAVE BEEN SUBSTANTIATED BY ACTUAL WEIGHING.

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## QUARTERLY CHART

PAGE 27

TRAINING, BASIC

## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF/S. L. WAR EMERG/ALT	SPEEDS MAX. ALT. HP LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGR. OUT	T.O. & LAND T.O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with PUEL with BOMBS at WEIGHTS & SPEEDS % POWER		NONE DESIGN MAXIMUM	EMPTY		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—MDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS		POUNDS DESIGN POUNDS	POUNDS DESIGN POUNDS				
Y1BT-10 NORTH AMERICAN (1) R-1340-41 AC-9345	550/5000 - 600/ S L NONE	198/5000/ - -	7.5/10000 25700 NONE	1100 -	712/157/50% 636/173/61%	104 104	NONE NONE NONE	3531 4785 4785	42' 0" 28' 2" 248 Sq. Ft.	2-.30-200	LIMITED STANDARD	PT-4329 CONVERTED BT-9B.	
XBT-11 AIRCRAFT RESEARCH CORP. (1) R-985-25 AC-12714 XBT-12 FLEETWINGS	450/ S L - 450/ S L NONE	169/ S L/450 56	10.5/10000 21000 NONE	1180 830	1070/132/50% 787/143/67%	135 135	NONE NONE NONE	3058 4431 4431	42' 0" 27' 6" 248 Sq. Ft.	NONE	PROJECT DISCONTINUED	SPEC. 12714	
(1) R-985-25 AC-12728 XBT-16 VIDAL RESEARCH (1) R-985-25 AC-12714 XBT-17 STEARMAN	AS ABOVE - AS ABOVE -	188/ S L/450 65	9.3/10000 22300 NONE	1000 1000	1108/163/65% 838/163/65%	136 120	NONE NONE NONE	3171 4515 4408	40' 0" 29' 2" 240 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. H-30	
(1) R-985-25 AC-12714 XBT-17 STEARMAN (1) R-985-AN-1 AC-23157	AS ABOVE - AS ABOVE -	168/5000/390	10.6/10000 18400 NONE	1000 1000	560/140/ - -	92 92	NONE NONE NONE	3558 4605 4573 NONE	42' 0" - 239 Sq. Ft.	NONE	"	SPEC. R-706- 5	
LOW WING MONOPLANE WITH FIXED LANDING GEAR; WING IS OF WOODEN CANTILEVER CONSTRUCTION AND FUSELAGE OF STEEL TUBE WITH FABRIC COVERING. NO ARMAMENT.													
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QUARTERLY CHART

PAGE 08

AIRPLANE CHARACTERISTICS & PERFORMANCE

TRAINING, ADVANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG/ALT.	SPEEDS MAX./ALT./R.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
Z XAT-13 FAIRCHILD (2) R-1340-AN-1 AC-18565 1	550/5000 600/S L NONE	211/5100/1124 72	10.4/10000 18000 5000	1900 1600	800/185/60%	225 225	NONE 1000	8884 12401	52' 6" 37' 7" 375 Sq. Ft.	1-.30-450	OBSOLETE	SPEC. R-6312 FS-M-19- 1522-A
XAT-14 FAIRCHILD (2) V-770-1 AC-18565 1	450/12000 520/S L NONE	205/5000/ 900 70	24000 8000	1900 1600	800/180/67%	220 220	NONE 1000	7013 10526	52' 6" 37' 7" 375 Sq. Ft.	1-.30-450	COMPLETED	SPEC. R-6312 A
Z XAT-14A FAIRCHILD (2) V-770-3 (MODI- FIED) AC-18565 1	AS ABOVE	210/5000/ 900 70	18500 6000	2300 2300	700/175/67%	220 220	NONE 1000	9020 12411	53' 0" 37' 7" 375 Sq. Ft.	NONE	OBSOLETE	SPEC. R-6312B
XAT-15 STEARMAN (2) R-1340-AN-1 AC-18967 2	550/5000 NONE 600/S L NONE	202/S L/1100 70	10.0/10000 18500 5000	2000 1700	850/185/ -	270 270 270	NONE 1000 1000	8338 11007 12061 12061	59' 10" 42' 0" 442' Sq. Ft.	1-.30-500	1-Crashed 1-Sent to training school	SPEC. 713-1

NOTES:

\* TESTED AT GROSS WEIGHT OF 12432#.

UNDERLINED PERFORMANCE IS QUOTED DIRECTLY FROM A.A.F. FLIGHT TEST RE-  
PORTS. UNDERLINED WEIGHTS HAVE BEEN SUBSTANTIATED BY ACTUAL WEIGHING.

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**QUARTERLY CHART**

**AIRPLANE CHARACTERISTICS & PERFORMANCE**

PAGE 29

DATE: 1 April 1945

GLIDER, CARGO

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG/ALT.	SPEEDS GLIDING, DIVING OF AIRPLANE TO AUTO-WING TO STALLING SPEED	CLIMB TIME TO/FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 59' OBS. LAND OVER 59' OBS.	RANGE with FUEL with BOMBS at WEIGHTS @ SPEEDS & POWER			EMPTY POUNDS DESIGN POUNDS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL—RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM						
XCG-1 FRANKFORT		120 -					1600		85' 0" 43' 6" 725 Sq. Ft.	NONE	PROJECT	CHART MX-114	
AC-19381	1	32			8 TROOPS PLUS EQUIPMENT		3600				COMPLETED		
XCG-2 FRANKFORT		120 -					2700		115' 0" 56' 0" 1322 Sq. Ft.	NONE		CHART MX-114	
AC-19381	1	32			15 TROOPS PLUS EQUIPMENT		6500						
XCG-3 WACO		120 120 40					2093		83' 6" 46' 4" 810 Sq. Ft.	NONE		SPEC. 1286A	
AC-19629	1				9 TROOPS PLUS EQUIPMENT		4400						
XCG-4 WACO		150 150 44					3050		83' 8" 48' 8" 852 Sq. Ft.	NONE		SPEC. 1326-A	
AC-19629	2				15 TROOPS PLUS EQUIPMENT		6800						
XCG-4B WACO					ONE CG-4A GLIDER PRODUCED BY TIMM AIRCRAFT CORPORATION EQUIPPED WITH A SPECIAL ALL-WOOD FUSELAGE.								SPEC. 1526-A 1025-2
XCG-5 ST. LOUIS		120 120 30					2310		89' 2" 55' 0" 1015 Sq. Ft.	NONE		SPEC. 128	
AC-19630	1				9 TROOPS PLUS EQUIPMENT		4230						
XCG-7 BOWLUS		120 120 32					2870		65' 0" 53' 4" 696 Sq. Ft.	NONE		SPEC. 101	
AC-20234	1				9 TROOPS PLUS EQUIPMENT		4800						
XCG-8 BOWLUS		120 120 31					3895		85' 5" 61' 0" 996 Sq. Ft.	NONE		SPEC. 100	
AC-20234	1				15 TROOPS PLUS EQUIPMENT		5900						
XCG-9 AGA AVIATION					30 PLACE, INCLUDING PILOT AND CO-PILOT.								SPEC. G-5
AC-25554	2						7980						
XCG-10 LAISTER-KAUFFMAN		200 150 50					15980		105' 0" 68' 6" 1180 Sq. Ft.	NONE		SPEC. 20005	
AC-27357	2				30 TROOPS PLUS EQUIPMENT								

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## QUARTERLY CHART

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GLIDER, CARGO

## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S)	ENG. RATINGS NORMAL/ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS GLIDING, DIVING OF AIRPLANE AUTO-WIND TOW STALLING SPEED	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T.O. & LAND T.O. OVER 30 OBS. LAND OVER 30 OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
XCG-10A LAISTER KAUFFMAN		180 180 60			42 TROOPS	PLUS	EQUIPMENT	13000 - 25000	105' 0" 67' 0" 171 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. 1105
AC-27357	2				30 PLACE, INCLUDING PILOT AND CO-PILOT, TRANSPORT GLIDER. WING AND FIXED AND MOVABLE SURFACES HAVE A WOOD FRAMEWORK COVERED WITH PLYWOOD AND FABRIC; FUSELAGE IS OF STEEL TUBE, FABRIC COVERED CONSTRUCT-							
XCG-11 SNEAD & CG												
AC-27358	2											
XCG-12 READ-YORK		200 185 45			30 TROOPS	PLUS	EQUIPMENT	9349 - 17631	112' 0" 70' 0" 1437 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. 1
AC-31730	2											
XCG-13 WACO		200 174 65			30 TROOPS	PLUS	EQUIPMENT	7000 - 15000	85' 8" 54' 4" 873 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. 1381
AC-31734	2											
YCG-13 & 13A FORD & NORTHWESTERN					XCG-13: 30 PLACE, INCLUDING PILOT AND CO-PILOT, CARGO TROOP CARRYING GLIDER. YCG-13A SAME AS YCG-13 EXCEPT IT WILL HAVE A TRICYCLE LANDING GEAR. THE CAPACITY IS CHANGED FROM 30 PLACE TO 42 PLACE. CONFIGURATION CHANGED TO RAISE THE TAIL 18 INCHES.							SPEC. 1381
AC-28380	2											
AC-40642	3											
XCG-14 CHASE		200 170 60			15 TROOPS	PLUS	EQUIPMENT	3237 - 7605	71' 10" 42' 10" 507 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. #1
AC-1206	3											
XCG-15 WACO		150 150 57			15 TROOPS	PLUS	EQUIPMENT	4023 - 7500	62' 3" 48' 10" 623 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. 1535
AC-25851	1											
XCG-15A WACO		180 180 60			16 TROOPS	PLUS	EQUIPMENT	4023 - 8000	AS ABOVE	NONE	PROJECT COMPLETED	SPEC. 1535A
AC-1666	2											
XCG-16 GENERAL AIRBORNE TRAI.S. CO.		220 220 58			42 TROOPS	PLUS	EQUIPMENT	9500 - 19580	91' 10" 48' 4" 1200 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. W-100
AC-1666	2											
XCG-16A GATC.					SAME AS XCG-16 EXCEPT THAT PILOT'S COMPARTMENT IS COMPLETELY REARRANGED WITH INSTALLATION OF AUTOMATIC PILOT AND COMPLETE BLIND FLYING EQUIPMENT.							SPEC. 100-A
AC-1666	1											

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CARGO GLIDER & FUEL GLIDER

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG. ALT.	SPEEDS (GLIDING, DIVING OF AIRPLANE TO AUTO-WING TO STALLING SPEED)	CLIMB TIME TO FT. SERV. CEIL. CEIL. - 1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS SPEEDS % POWER			EMPTY POUNDS DESIGN POUNDS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					
XCG-17 (C-47A CONVERSION)		255 204 70			42 TROOPS PLUS EQUIPMENT			11000 - 26000 -	95' 0" 64' 6" 987 Sq. Ft.	NONE	-	
XFG-1 CORNELIUS		250 250 75			(1) PILOT AND 677 GALLON GASOLINE			3362 - 8000 -	54' 0" 64' 6" 356 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. 102A
AC-11004												

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**QUARTERLY CHART**

**AIRPLANE CHARACTERISTICS & PERFORMANCE**

PAGE 32

DATE: 1 April 1945

GLIDER, TRAINING

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG/ALT.	SPEEDS SLIDING, DIVING OF AIRPLANE TYPE AUTO-WINCH TIME STALLING SPEED	CLIMB TIME TO FT. SERV. CEIL. CEIL-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER BY OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-BDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM				
XTG-1 FRANKFORT P.O. 10293 3		88 60 29				(2) PLACE	410 - 790	46' 6" 24' 8" 195 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. 8
XTG-2 SCHWEIZER P.O. 11887 3		72 54 34				(2) PLACE	480 - 860	52' 0" 25' 3" 214 Sq. Ft.	NONE	(1) CRASHED (2) COMPLETED	SPEC. 5652-8
XTG-3 SCHWEIZER P.O. 4522 3		100 62 34				(2) PLACE	660 - 1100	54' 0" 26' 6" 237 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. 5652-12
XXTG-4 LAISTER KAUFFMAN P.O. 3715 3		103 63 40				(2) PLACE	477 + 877	50' 0" 20' 0" 166 Sq. Ft.	NONE	*	SPEC. 10005
XTG-7 P.O. 2185 1					SINGLE PLACE, SOARING TYPE SAILPLANE BUILT IN POLAND AND EXHIBITED AT POLISH PAVILION DURING THE N.Y. WORLD'S FAIR.						
XTG-8 BRIEGLER P.O. 20469 3		72 - 32				(2) PLACE	235 - 425	32' 3" 18' 4" 117 Sq. Ft.	NONE	*	
XTG-10 WICHITA P.O. 22711-P 3		90 57 35				SINGLE PLACE	500 - 900	51' 2" 25' 0" 204 Sq. Ft.	NONE	*	SPEC. 17-1
XTG-11 MARTIN SCHEMP P.O. 2878 1					SINGLE PLACE, SOARING TYPE SAILPLANE DESIGNED BY WOLF HIRTH; BUILT BY MARTIN SCHEMP IN GERMANY-1937.						
XTG-12 BOWLUS P.O. 17694 4		100 70 39				(2) PLACE	675 - 1090	45' 5" 24' 9" -	NONE	*	SPEC. MS-5
XTG-13 BRIEGLER P.O. 22814 3		90 55 40				(2) PLACE	435 - 850	50' 4" - 189 Sq. Ft.	NONE	*	SPEC. 8000

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## QUARTERLY CHART

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

GLIDER, POWER

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG/ALT.	SPEEDS (GLIDING, DIVING) OF AIRPLANE TIME SELF POWERED STALLING SPEED	CLIMB - TIME TO FT. SERV. CEIL. CEIL - 1/2 ENG & OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CALIBERS OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
XPG-1 NORTHWESTERN (CG-4A) (2) FRANKLIN 5AC- 298-N3 AC-26936	130/ S L NONE 130/ S L NONE	150 80 50	10.0/1000 - -	- - -	300/ 80/100	- 100 -	- NONE -	5800 - 7500	83' 8" 48' 4" 852 Sq. Ft.	NONE	COMPLETED	SPEC. 1326A
XPG-2A RIDGEFIELD (CG-4A) FORD (2) L-440-7	200/ S L NONE 200/ S L NONE	150 100 50	- - -	- - -	- -	- 120 -	- NONE -	6731 - 9000	A S	A B O V E	CURRENT	AS ABOVE
XPG-2B RIDGEFIELD (CG-4A) (2) R-755-9	225/ S L NONE 245/ S L NONE	150 110 50	2.0/1000 - -	1492 - -	- -	- 120 80	- NONE NONE	5013 - 9000 9000	A S	A B O V E	CURRENT	SPEC. 1573
XPG-3 WACO (XCG-15A) (2) R-755-9	AS ABOVE	180 116 58	2.0/1000 - -	1853 - -	- -	- 120 80	- NONE NONE	6224 - 9000 9000	70' 5" 48' 10" 683 Sq. Ft.	NONE	CURRENT	SPEC. 1575
XPG-2 RIDGEFIELD (CG-4A) (2) L-440-1 AC-26557					SAME AS THE XPG-1 EXCEPT ENGINE CHANGE.						COMPLETED	SPEC. 1326-A & 1025-2

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QUARTERLY CHART

PAGE 34

GLIDERS, ASSAULT

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: April 1945

MODEL & MFR. (NO.) ENGINE (S)	ENG. RATINGS NORMAL/ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG/ALT.	SPEEDS GLIDING, DIVING or AIRPLANE TOW STALLING	CLIMB TIME TO FT. SERV. CEIL. CEIL - 1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL-RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
XAG-1 CHRISTOPHER		240			EIGHT	PLACE		3935	59'10" 46' 3" 500 Sq. Ft.	2-.50-1000	COMPLETED	SPEC. 1
AC-37433	2	65						8000				
XAG-2 TIMM		240			EIGHT	PLACE		3845	59'10" 45' 1" 997 Sq. Ft.	2-.50-1000	COMPLETED	SPEC. 248A
AC-40058	2	65						8500				

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## QUARTERLY CHART

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

POWER DRIVEN  
CONTROLLABLE BOMBS

DATE: 1 April 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. WAR EMERG ALT.	SPEEDS MAX/ALT./H.P. LANDING	CLIMB TIME TO/FT. SERV. CEIL. CEIL.-1.2 ENGS. OUT	T. O. & LAND T. O. OVER 59' OBS. LAND OVER 59' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
XBQ-1 FLEETWINGS (2) X0-405-7 AC-29834	225/17000 250/ S L	222/17000/450 77	23.1/17000 29500 24000	3480 -	(USED IN BOMB CONDITION) 1706/170/ -			- 7813	45' 2" 28' 10" 203 Sq. Ft.	NONE	CRASHED	SPEC. H-56
XBQ-1 FLEETWING (2) X0-405-7 AC-29834	AS ABOVE	209/17000/450 77	18.3/17000 29500 24000	1670 -	(USED IN FERRY CONDITION) -			- 6225	AS ABOVE	NONE	"	AS ABOVE
ZXBQ-2A FLEETWINGS (2) R-680-13 AC-29834	280/ S L 295/ S L	179/ S L / -	12.9/10000 16300	2850 -	(USED IN BOMB CONDITION) 1655/188/ -			4130 7606	48' 7" 28' 0" 236 Sq. Ft.	NONE	OBsolete	SPEC. H-57
ZXBQ-2A FLEETWINGS (2) R-680-13 AC-29834	AS ABOVE	179/ S L / - 74	14.0/10000 16600	2295 -	(USED IN FERRY CONDITION) 2955/ - / -			4814 8062 8062 NONE	AS ABOVE	NONE	"	AS ABOVE
XBQ-3 FAIRCHILD (2) V-770-15 AC-32134	450/ S L 450/12000 520/ S L	220/12000/900 96	- 14000	4200 -	(USED IN BOMB CONDITION) 1500/203/75%			7686 15340 15340	52' 9" 36' 2" 376 Sq. Ft.	NONE	CURRENT	SPEC. 79000 -D.
XBQ-3 FAIRCHILD (2) V-770-15 AC-32134	AS ABOVE	220/12000/900 92	- 16000	3500 -	(USED IN FERRY CONDITION) 2900/197/75%			8038 14203 NONE	AS ABOVE	NONE	"	SPEC. 79000- C
XBQ-4 INTERSTATE (2) X0-435-2 NAVY	220/ S L 220/ S L	162/ S L /440 66	10.5/ 5000 10000	CATAPULT -	(USED IN BOMB CONDITION) 425/172/100%			- 6314 6314 6314	48' 0" 35' 8" 371 Sq. Ft.	NONE	PROJECT COMPLETED	NAVY SD-215
XBQ-4 INTERSTATE (2) X0-435-2 NAVY	AS ABOVE	152/ S L /440 58	7.0/ 5000 13000	950 * -	(USED IN FERRY CONDITION) 375/152/100%			- 4763 4763 NONE	AS ABOVE	NONE	"	AS ABOVE
XBQ-5 INTERSTATE (2) X0-805-2 NAVY	450/ S L 450/ S L	227/ S L /900 82	7.0/ 5000 13500	1165 * -	(USED IN BOMB CONDITION) 1070/227/100%			- 10268 10268 10268	48' 0" 35' 8" 371 Sq. Ft.	NONE	NONE PROCURED	NAVY SD-216
XBQ-5 INTERSTATE (2) X0-805-2 NAVY	AS ABOVE	185/ S L /900 81	9.0/ 5000 11000	1180 * -	(USED IN FERRY CONDITION) 1180/185/100%			- 9797 9797 9797	AS ABOVE	NONE	"	AS ABOVE

NOTES:

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