

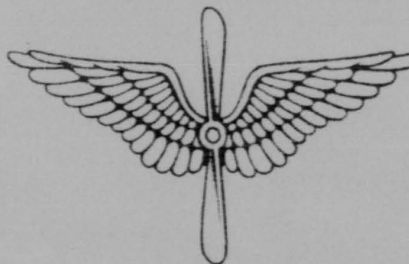
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(FORMERLY EE-306-2)  
TSEAL-6-A3

REFORM TO RESEARCH STUDIES  
MICROFILMED  
QUARTERLY CHART  
AIRPLANE CHARACTERISTICS AND PERFORMANCE



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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.

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

THIS REPORT SUPERSEDES PREVIOUS EE-306-2 PUBLICATIONS; SUPERSEDED PUBLICATIONS, IF NO LONGER OFFICIALLY REQUIRED, WILL BE DESTROYED IN THE MANNER PRESCRIBED IN PARAGRAPH 23, A.R. 380-5.

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QUARTERLY CHART

PAGE 1

BOMBARDMENT

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CELL-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	NOSE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS				
YA-19 VULTEE (1) R-1830-17 AC-11235 7	1050/ 6500 1200/ S L NONE	230/ 6500 -	19.2/15000 20400 NONE	1750 1750	1385/184/50% 1110/207/58%	330 311	NONE 600 1080	6452 9935 10421	50' 0" 37' 10" 384 Sq. Ft.	6-.30-600	SERVICE TEST	SPEC. 509-A A-19-930
XA-1GA VULTEE (1) X0-1230-1 AC-13290 1	1000/ S L 1200/ S L NONE	230/ 6500 -	- 20000 NONE	1750 1750	- -	330 311	NONE NONE 1080	6605 10400 10285	A S A B O V E		REDESIGNATED XA-19	SPEC. 509-A
ZXA-1GB VULTEE (1) R-2800-1 AC-12749 1					SAME AS YA-19 EXCEPT FOR ENGINE CHANGE						OBSOLETE	SPEC. 509-A
ZXA-1GC VULTEE (1) R-1830-51 P.O. 179124 1					SAME AS YA-19 EXCEPT FOR ENGINE CHANGE						OBSOLETE	
XA-2GB DOUGLAS (2) R-2600-8 AC-15948 1		SAME AS A-20A EXCEPT FOR (3) REMOTELY			CONTROLLED GUNS; (1) INTAIL & (1) EACH IN NACELLES. (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	257/ 5000 -	- 20000 7000	1572 1677	1400/200/51% 720/232/75%	520 450	NONE 1200 2700	12760 17477 18257	65' 0" 53' 1" 607 Sq. Ft.	6-.30-500		SPEC. - A-19-944 & EXP.-N-19427 102J-A SPEC. -
XA-22 MARTIN (2) R-1830-37 AC-13142 1	1100/ 5000 1200/ S L NONE	279/ 5000 -	- 20000 7000	1756 1500	1695/200/98% 820/261/75%	528 483	NONE 1200 1800	11170 16173 16803	61' 4" 46' 8" 540 Sq. Ft.	AS ABOVE	CONDENMED	A-19-940
XA-23 MARTIN (2) R-3350-11 AC-15511 1	2000/ 4000 11800/15000 2200/ 2600 1900/15000 2200/ S L 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	11500/ 5700 11450/13000 12000/ 1500 11500/13500 2000/ S L NONE	371/17000/2920	10.2/20000 31300 17000	1840 2270	1977/202/ - 810/280/63% 2415/212/ -	1000 440 800	NONE 1200 4000	21150 29370 26700 31880	70' 0" 51' 2" 540 Sq. Ft.	2-.50-400 2-.50-500 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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## 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>PERSONNEL:</b>	For the cargo type aircraft, the "Bombs" heading has been changed to "Personnel".
<b>War Emergency:</b>	Maximum power for emergency use (usually limited to 5 minutes).	<b>Places:</b>	Indicates number of troops or passengers or in lieu thereof, pounds (#) of cargo. (Personnel at 200# each).
<b>SPEEDS:</b>		<b>Crew:</b>	Indicates number of members normally comprising the crew.
<b>Maximum:</b>	Greatest speed obtainable in level flight (within engine power limits) at specified altitude & horsepower.	<b>WEIGHTS:</b>	Take-off gross weight corresponding to range values.
<b>Landing:</b>	Minimum speed above stalling speed at which landings can be safely accomplished at sea level. Based on design gross weight.	<b>Empty:</b>	Complete airplane minus crew, fuel, oil, armament, bombs and disposable equipment.
<b>CLIMB:</b>		<b>Pounds:</b>	Alternate gross weight comprised of maximum fuel and no bombs.
<b>Time to Height:</b>	Minimum time from sea level using maximum power available within engine limits and based on design gross weight.	<b>Design:</b>	Stress analysis weight at which airplane meets A.A.F. structural design requirements.
<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 permissible bomb load and allowable fuel.
<b>Ceiling:</b>	Service ceiling with 2 engines out when rate of climb is 100 ft. per minute. Based on design gross weight.	<b>SIZE:</b>	Basic dimensions of the aircraft.
<b>TAKE-OFF &amp; LANDING</b>		<b>Span:</b>	Distance from wing tip to wing tip projected to ground plane.
<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>Length:</b>	Overall length (excluding protruding guns) with fuselage level.
<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>Wing Area:</b>	Standard aerodynamic surface area.
<b>FUEL:</b>	Usable fuel only is shown (does not include fuel trapped in system).	<b>ARMAMENT:</b>	Design gun installations specified by manufacturer giving number, caliber and rounds of ammunition per gun.
<b>Maximum:</b>	Largest quantity that can be carried including standard external wing or belly tanks, bomb bay banks and other removable or droppable tanks.	<b>STATUS:</b>	Denotes present status (current, cancelled, obsolete, etc.)
<b>Design:</b>	Quantity used by manufacturer in establishing the design useful load.	<b>REFERENCE:</b>	(a) Manufacturer's specification number. (b) Reports quoted are confined to official Wright Field tests.
<b>Gallons:</b>	Quantity allowed with maximum bomb load within limits of maximum alternate gross weight.		

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QUARTERLY CHART

PAGE 1

BOMBARDMENT\*

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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. CHL-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 SPEEDS % POWER	with DESIGN MILES	with DESIGN GALLONS	with DESIGN MAXIMUM				
YA-10 VULTEE (1) R-1830-17 AC-11235	1050/ 6500 1200/ S L NONE	232/ 6500/ -	18.2/ 15000 20400 NONE	1750 1750	1385/184/50% 1110/207/58%	330 311	NONE 600 1080	6452 9935 10421	50' 0" 37' 10" 384 Sq. Ft.	6-.30-600	SERVICE TEST	SPEC. 509-A A-19-930
XA-1GA VULTEE (1) X0-1230-1 AC-13290	1000/ S L 1200/ S L NONE	230/ 6500/ -	20000 NONE	1750 1750	- -	330 311	NONE NONE 1080	6605 10400 10285	A S A B O V E		REDESIGNATED XA-19	SPEC. 509-A
ZXA-1GB VULTEE (1) R-2800-1 AC-12749					SAME AS YA-19 EXCEPT FOR ENGINE CHANGE						OBSOLETE	SPEC. 509-A
ZXA-19C VULTEE (1) R-1830-51 P.O. 179124					SAME AS YA-19 EXCEPT FOR ENGINE CHANGE						OBSOLETE	
XA-20B DOUGLAS (2) R-2600-8 AC-15948					SAME AS A-20A EXCEPT FOR (3) REMOTELY CONTROLLED GUNS: (1) INTAIL & (1) EACH IN NACELLES. (PROJECT CANCELLED)							
XA-20F DOUGLAS (2) R-2600-3 AC-12967					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	1150/ 7000 1400/ S L NONE	257/ 5000/ -	20000 7000	1572 1677	1200/200/51% 720/232/75%	520 450	NONE 1200 2700	12760 17477 18257	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	1100/ 5000 1200/ S L NONE	279/ 5000/ -	20000 7000	1758 1500	1635/200/38% 820/261/75%	528 433	NONE 1200 1800	11170 16173 16803	61' 4" 46' 8" 540 Sq. Ft.	AS ABOVE	CONDENED	SPEC. - A-19-940
XA-23 MARTIN (2) R-3350-11 AC-15511	1200/ 4000 1180/ 1900 1200/ 1500 1200/ 2600 1100/ 1800 1200/ S L NONE	384/ 17500/ -	34150 18500	2050 1880	795/265/55% 650/297/75%	500 500 500	NONE 1200 2000	15972 19200 20358 21200	- -	4-.30-400 4-.30-500	CANCELLED	SPEC. 160
XA-26 DOUGLAS (2) R-2800-27 AC-17946	1600/ 5700 11450/ 13000 1260/ 1500 1260/ 1800 1200/ S L NONE	371/ 17000/ 2920	10.2/ 20000 31300 17000	1840 2270	1977/202/ - 810/280/63% 2415/212/ -	1000 440 800	NONE 1200 4000	21150 29370 26700 31880	70' 0" 51' 2" 540 Sq. Ft.	2-.50-400 2-.50-500 2-.50-500	CURRENT	SPEC. 539

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AIRPLANE CHARACTERISTICS & PERFORMANCE

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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. - T. O. ENGS. OUT	T. O. & LAND T. O. OVER OF OBS. LAND OVER 30' OBS.	RANGE with B SPEEDS & POWER	FUEL with	BOMBS at	WEIGHTS	DIMENSIONS	ARMAMENT	STATUS	REFERENCE	
						MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS	SPAN LENGTH WING AREA	NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN			
XA-26A	DOUGLAS (2) R-2700-27	(1) 1800/1700 (2) 1800/1700 (3) 1800/1700 (4) 1800/1700 (5) 1800/1700 (6) 1800/1700 (7) 1800/1700 (8) 1800/1700 (9) 1800/1700 (10) 1800/1700 NONE	365/17000/3200	10.5/20000 25900 12600	1894 2172	1420/234/50% 700/264/63% 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	
AC-17946		NONE												
XA-26B	DOUGLAS (2) R-2800-27	AS ABOVE	394/16000/3200	25700 15500	1945 2192	1260/-/- 695/-/- NONE	800 940 NONE	NONE NONE NONE	20225 28855 26000 NONE	70' 0" 50' 1" 540 Sq. Ft.	4-.50-500 1-75mm-20	CURRENT	SPEC. 542	
AC-17946														
XA-26C	DOUGLAS (2) R-2800-27					SIMILAR TO XA-26B WITH (4) 37mm. CANNON IN. NOSE IN PLACE OF (1) 75mm. CANNON. (PROJECT CANCELLED)								
AC-17946														
XA-31A	VULTEE (1) R-2600-					SIMILAR TO ZRA-31 SHOWN IN CHART EE-306-1, REDESIGNATED XA-31P WITH P. & W. ENGINE.								SPEC. 604
P.O. 42-14437														
XA-31B	VULTEE (1) P. & W. "WASP"					SIMILAR TO ZRA-31 SHOWN IN CHART EE-306-1, EXCEPT FOR INSTALLATION OF AN EXPERIMENTAL P. & W. ENGINE.								SPEC. 604
AC-26932														
XA-31C	VULTEE (1) R-3350-13					SIMILAR TO ZRA-31 SHOWN IN CHART EE-306-2, EXCEPT FOR ENGINE CHANGE.								
AC-31713														
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-2800-37	(1) 1700/14500 (2) 1700/14500 (3) 1700/14500 (4) 1700/14500 (5) 1700/14500 (6) 1700/14500 (7) 1700/14500 (8) 1700/14500 (9) 1700/14500 (10) 1700/14500 NONE	311/13200/1520	5.7/10000 26000	1295 1300	1600/200/- 600/196/- -	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	
AC-21434														
XA-32A	BREWSTER (1) R-2800-37					SAME AS XA-32 ABOVE EXCEPT FOR CHANGE IN ARMAMENT TO (4) 37mm. CANNON OF 30 RDS. EACH.							CURRENT	
AC-21434														
XA-37	HUGHES (2) R-2800-49					DURAMOLD CONSTRUCTION AIRPLANE WITHOUT ARMAMENT. NO OTHER DATA AVAILABLE.								
AC-21434														
NOTES:														

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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 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	
					with SPEEDS & POWER	with	with					EMPTY POUNDS DESIGN POUNDS
<b>XA-38 BEECH</b> (2) R-3350-43 AC-3334R 2	<u>2100/2500</u> 1400/1900 2250/2400 1500/1400 2300/S L	<u>375/3100/4880</u> 103	<u>11.5/20000</u> 27800 12400	<u>2120</u> 27800 3060	<u>2700/175/ -</u> <u>1240/188/ -</u> <u>1420/167/ -</u>	<u>1925</u> 640 825	NONE NONE 2000	22480 <u>35264</u> 23500 33965	67' 4" 51' 9" 626 Sq. Ft.	6-.50-500 1-75mm-20	CURRENT	SPEC. 55C FLIGHT TEST TSOCPSE-1811.
<b>XA-39 FLEETWING</b> (1) R-2800-27 AC-34906 2	<u>11500/5700</u> 11400/13000 12000/1500 1800/13500 2300/13500 NONE	357/16600/1600 74	4.9/10000 27500 NONE	1390 1580	3440/205/ - 1580/228/455 -	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
<b>XA-40 CURTISS</b> (1) R-3350-8 AC-34942 2	1800/13600 1900/14000 2300/S L NONE	358/16000/1900 82	8.9/16000 27300 NONE	1600 1517	2320/ - / - 805/230/ - -	625 205 205	NONE 1000 2800	11061 16535 15856 17120	48' 0" 36' 5" 378 Sq. Ft.	6-.50-400 4-20mm-120	-	SPEC. -
<b>XA-41 VULTEE</b> (1) XR-4360-9 AC-34942 2	<u>13500/5000</u> 13200/14000 13600/1800 12400/13500 3000/S L NONE	353/15500/2400 87	4.3/10000 27000 NONE	1450 1525	3000/180/375 800/270/ - -	1140 350 445	NONE 1059 3200	13400 23262 18800 23359	54' 0" 48' 8" 540 Sq. Ft.	4-.50-400 2-37mm-30	CURRENT	SPEC. 610 C
<b>XA-42 DOUGLAS</b>												
REDESIGNATED XR-42. SEE PAGE 4												

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PAGE 4

BOMBARDMENT		ENG. RATINGS		SPEEDS		CLIMB		T. O. & LAND		RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS		ARMAMENT		STATUS		REFERENCE		
MODEL & MFR.	(NO.) ENGINE (S)	NORMAL ALT.	MILITARY ALT.	MAX. ALT. H.P.	LANDING	TIME TO FT. SERV. CEIL.	CEIL. - 1.2 ENGS. OUT	T. O. OVER 50 OBS.	T. O. OVER 50 OBS.	with SPEEDS % POWER	with FUEL	with BOMBS	at WEIGHTS	SPAN LENGTH	WING AREA	NO. OF GUNS	CALIBER OF AMM. PER GUN			
CONT.	NO. PLANES	WAR EMERG. ALT.								MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS							
<b>XB-15</b>	BOEING	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	
(4) R-1830-11		1000/ S L		70		18850		2439		3500/171/73%	4260	2500	70700	2781 Sq. Ft.		3-.50-200		COMPLETED	A-19-794.	
AC-7618												12000	65068							
<b>XB-16</b>	MARTIN																			SPEC. X-200
(4) V-1710-3																				
NO DATA AVAILABLE																				
AC-6868													26520							
<b>YB-17A</b>	BOEING	800/25000		311/25000/ -		7.8/10000		1450		3800/189/ -	2482	NONE	47000	103' 10"	68' 4"	5-.30-200		SERVICE	SPEC. 98-201-A-3A	
(4) R-1820-51		1000/ S L				38000		1500		1000/225/ -	850	2000	36975	1425 Sq. Ft.		5-.50-400		TEST		
AC-9843		NONE								900/225/ -	850	4000	39000							
<b>XB-19</b>	DOUGLAS	{1700/5700 {1500/15700		(1) 224/15700/ - (2) 204/15700/ -				4405		{7710/131/ - {7800/151/49%	{11000 {11174	{2400 {NONE	84431	212' 0"	192' 2"	6-.30-600		REDESIGNATED	REP. SM-3497 SPEC. 167	
(4) R-3350-5						23000		1785		5200/160/50%	7636	2400	160000	4285 Sq. Ft.		2-37mm-50				
AC-8132		2000/ S L		73		9600				3520/134/ -	5116	36000*	160000							
<b>XB-19A</b>	GENERAL MOTORS	2100/25000		265/25000/10499				3600					92397	212' 0"	192' 2"	6-.30-600		BEING CONVERTED TO CARGO PLANE	SPEC. X-85 (FORMERLY THE XB-19. REDESIGNATED XB-19A)	
(4) V-3420-11		2600/25000				39000		2000		4240/185/ -	6400	2400	140230	4285 Sq. Ft.		2-37mm-50				
AC-33362		2600/ S L																		
<b>XB-20</b>	BOEING																			
(4) R-2180-5																				
MODIFIED XB-15 POWERED WITH R-2180 ENGINE. (NONE PROCURED)																				
<b>ZXB-21</b>	NORTH AMERICAN	1000/ 3700		220/10000/ -		10.0/10000		2000		OVER 6000 MI.	2400	NONE	19082	95' 0"	61' 0"	5-.30-600		OBSOLETE	SPEC. 98-204-2A.	
(2) R-2180-1		1200/ S L				25000		2000		1960/196/ -	600	2200	27253	1120 Sq. Ft.						
AC-11070		NONE				7000				1960/196/ -	600	2200	27253							
<b>XB-24</b>	CONSOLIDATED	{1100/ 6100 {1000/14500		273/15000/ -				2000		4700/186/40%	3000	NONE	27500	110' 0"	63' 9"	4-.30-600		REDESIGNATED	SPEC. -	
(4) R-1830-33, -41		1200/ 5000				31500		1750		2850/235/50%	1848	2500	46100	1050 Sq. Ft.		3-.50-200				
AC-12436		1200/ S L				17000					924	8800	38361							
<b>ZXB-24B</b>	CONSOLIDATED																			
(4) R-1830-33																				
CONVERTED XB-24 WITH TURBINE SUPERCHARGERS, SELF SEALING GAS TANKS, AND MINOR REFINEMENTS. (RECLASSIFIED ZXB-24B)																				
AC-12436																				
<b>XB-24N</b>	FORD																			
(4) R-1830-75																				
A PROTOTYPE AIRPLANE INCORPORATING THE FOLLOWING MAJOR CHANGES: R-1830-75 ENGINES WITH QUICK CHANGE FEATURE; SINGLE FIM EMPENNAGE; HEAT ANTI-ICING AND CABIN HEAT; -128 NOSE TURRET AND BELL POWER BOOST TAIL TURRET.																				
NOTES: * 2000 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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AIRPLANE CHARACTERISTICS & PERFORMANCE

BOMBARDMENT

DATE: 1 JULY 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.-RDS. OF AMM. PER GUN	STATUS	REFERENCE		
					with SPEEDS % POWER	with BOMBS at WEIGHTS						
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS				
<b>XB-25E</b> NORTH AMERICAN (2) R-2600-13 DA-896				ONE B-25C AIRPLANE	REWORKED TO INCLUDE HEATED SURFACE TYPE ANTI-ICING EQUIPMENT.							
<b>XB-25F</b> NORTH AMERICAN (2) R-2600-13				ONE B-25C AIRPLANE	REWORKED TO INCLUDE THERMO ANTI-ICING EQUIPMENT.							
<b>XB-25G</b> NORTH AMERICAN (2) R-2600-13				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		
<b>XB-26D</b> MARTIN (2) R-2800-5				SAME AS B-26 EXCEPT FOR CHANGES REQUIRED TO PROVIDE HEATED SURFACE TYPE ANTI-ICING EQUIPMENT.								
<b>XB-27</b> 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 - 32970	- - -	3-.30-600 - 1-.50-200	ONE - PROCURD	SPEC. 102.
<b>XB-28</b> NORTH AMERICAN (1) R-2800-11 & -15	1625/25000 2000/25000 2000/ S L	372/25000/3690	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. SPEC. 5015 (PRESSURE CABIN)
<b>XB-28A</b> NORTH AMERICAN (1) R-2800-11 & -15	AS ABOVE	353/25000/4000	- 29900 4100	3129 3129	2190/-/-	1565 1225	NONE 600 4000	23500 - 34297 35235	AS ABOVE		CRASHED	
<b>XB-29</b> BOEING (REDESIGNATED YB-29) (4) R-3350-13	2000/25000 2200/25000 2200/ S L	368/25000/8600	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
<b>XB-30</b> LOCKHEED (4) R-3350-13	AS ABOVE	382/25000/8800	- 32000 12000	3700 3700	- 5335/240/-	6040 5000 1300	NONE 2000 16000	51742 94000 88500 94000	123' 0" 104' 8" 1650 Sq. Ft.	10-.50-500 1-20mm-60	CANCELLED	SPEC. 1714
<b>XB-32 CONSOLIDATED</b> (REDESIGNATED YB-32) (4) R-3350-13	AS ABOVE	376/25000/8600	22.6/25000 30700 16500	4000 2840	4850/250/45% 4454/250/45% 1610/250/45%	4950 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:  
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AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 8

DATE: 1 JULY 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY ALT. TAKE-OFF S. L. W. I. 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 CALIBERS OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
XB-33 MARTIN (4) R-2800-15 AC-18645 2	00/29500 50/29500 00/ S L	345/35000/ 7000	- 39000	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 AC-33920 13	00/40000 000/40000 3000/ S L	391/35000/12000	- 39800 10000	5500	8150/275/ - 4850/275/ - 2820/275/ -	10000 8956 6500	NONE 10000 51070	80997 180000 150000 180000	172' 0" 53' 0" 4000 Sq. Ft.	4-.50-1000 8-.50-1000 8-.50- 700	CURRENT	SPEC. 43-9
XB-36 CONSOLIDATED (6) R-4360-5 AC-22352 1	2500/40000 3000/ 3500 1000/ S L	370/30000/18000	37/25000 38000 20500	5700	10800/ - / - 10000/ - / - 4450/ - / -	21116 19086 8615	NONE 10000 70200	127925 265000 268250 265000	230' 0" 163' 0" 4772 Sq. Ft.	10-.50-1000 4-37mm-100 1-37mm-300	CURRENT	SPEC. 20-35-001-A.
YB-38 CONSOLIDATED (6) R-4360-5 AC-22252 1	2500/40000 3000/30000 3000/ S L	362/30000/19000	41/25000 36000 22000	6800	10000/236/ - 9050/ - / - 4100/ - / -	19900 17534 8182	10000 10000 72000	128450 274650 265000 265000	230' 0" 162' 0" 4772 Sq. Ft.	14-20mm-600 2-20mm-400	CURRENT	
XB-38 BOEING (4) V-1710-89 AC-28120 1	1100/25000 1425/25000 1425/ S L	327/25000/5700	- 600 400	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 2600/33000 3000/ S L	405/35000/10400	26.../25000 35000 3000	4850	6190/293/ - 4800/250/ - 3640/293/ -	8333 5174 5000	NONE 2000 20000	75000 135000 110297 135000	141' 3" 98' 2" 1728 Sq. Ft.	10-.50- 500	CURRENT	SPEC. X-15 REP. A-90 APP. 1 & 2
XB-40 VEGA (4) R-1820-65 AC-32718 1	1000/25000 1200/25000 1200/ S L	292/25000/4800	- 26500	4600	2460/192/ - 2260/196/ -	2520 2260	NONE NONE	38225 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	3100/200/ -	2814	NONE	37055 63000	110' 0" 66' 4" 1048 Sq. Ft.	14-.50- 800	CANCELLED	SPEC. 20-32-015
XB-42 DOUGLAS (2) V-1710-103 AC-40188 2	1050/20000 1325/ S L 1325/ S L 1800/ S L	419/25700/2400	45.0/25000 27000 20000	6300	5400/240/ - 2090/238/ -	1850 650	NONE 8000	18577 33335 33000	70' 6" 53' 8" 555 Sq. Ft.	4-.50- 350 2-.50- 500	CURRENT	SPEC. 05-459 (FORMERLY XA-42)
XB-42A DOUGLAS (2) V- 710-103 * (2) 19XB-2A UNITS AC-40188 2	AS ABOVE	** 486/14000/3600	- -	6000	4880/245/ -	2295	2000	24775 44200	70' 7" 53' 10" 554 Sq. Ft.	NONE	CURRENT	

NOTES:

\* 1600 LBS. THRUST PER ENGINE AT S.L.  
\*\* WITH JET ASSIST

# The 1st XB-35 WILL HAVE NO ARMAMENT INSTALLED.  
THE 2nd & 3rd WILL HAVE ARMAMENT.  
THE 4th & 5th ARE TO BE MODIFIED BY INSTALLING  
TG-180 POWER PLANTS AND WILL BE REDESIGNATED  
THE YB-49.

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QUARTERLY CHART  
AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 7

DATE: 1 JULY 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
					DESIGN MILES	DESIGN GALLONS			NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS				
XB-43 DOUGLAS (2) GE-TG-180 AC-40188 2	4000 LB. THRUST PER ENGINE AT S.L.	503/5 L/ 5040 LB. THRUST PER ENGINE	- 38500 29000	6870 2240	2510/420/ - 1100/420/ - -	2075 765 -	NONE 2000 -	21175 39500 39500	71' 2" 50' 9" 562 Sq. Ft.	NONE	CURRENT			
XB-44 BOEING (4) R-4360-33 - 1	2500/ 5000 3000/ 1500 3000/ S L	392/25500/2500	35/30000 29000 8000	4850 -	5836/293/ - - 3380/293/ -	8333 - 5000	NONE - 20000	75000 135000 135000	141' 3" 98' 2" 1728 Sq. Ft.	10-.50- 500 1-20mm- 60	CURRENT			
XB-45 NORTH AMERICAN (4) G.E.-TG-180 AC-5126 3	4000 LB. THRUST PER ENGINE AT S.L.	506/ 5 L/ -	21.5/35000 38500 15000	7520 -	3000/421/ - 2320/418/ - 1190/423/ -	5800 4600 2590	NONE 8350 22000	44100 82500 82500 66000	89' 0" 74' 0" 1175 Sq. Ft.	2-.50- 600	CURRENT	SPEC. 8240		
XB-46 CONSOLIDATED - -					INFORMATION NOT AVAILABLE						CURRENT			
XB-47 BOEING - -					INFORMATION NOT AVAILABLE						CURRENT			
XB-48 MARTIN - -					INFORMATION NOT AVAILABLE						CURRENT	SPEC. 355		

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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. HP 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	ARMAMENT	STATUS	REFERENCE		
						% SPEEDS % POWER	% SPEEDS % POWER					EMPTY	POUNDS DESIGN POUNDS
	XFM-1 BELL (2) V-1710-13	1000/25000 1150/25000 1150/ SL	<u>271/20000/ -</u> -	10.0/15000 30500 -	1500 1500	2600/180/35% 800/244/75%	800 400 400	NONE NONE 600	13376 - 17333 17933	69' 10" 44' 10" 88 1/2 Sq. Ft.	2-.30-500 2-.50-600 2-37mm-110	CRASHED & SDRVEYED	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 1377	A S	A B O V E	13630 19000 19901	70' 0" 46' 0" 600 Sq. Ft.	AS ABOVE	SERVICE TEST	SPEC. 1YD12-D	
	AC-11122 8 YFM-1A BELL (2) V-1710-23	AS ABOVE	270/20000/ - 77	10.3/15000 30500 -	1300 1377	A S	A B O V E	13962 19301 19901	AS ABOVE	SERVICE TEST	SPEC. - (TRICYCLE GEAR)		
	AC-11122 3 YFM-1B BELL (2) V-1710-41	960/12000 1090/13200 1090/ SL NONE	<u>269/12600/ -</u> 77	<u>10.5/15000</u> 29900 -	1300 1377	A S	A B O V E	13023 20900 18373 18973	AS ABOVE	SERVICE TEST	SPEC. - PHO-M-19-1102-A.		
	AC-11122 2 XP-36D CURTISS (1) R-1830-13	900/10000 1050/ SL NONE	<u>291/ 6600/ -</u> -	- -	- -	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.
	- 1 XP-36E CURTISS (1) R-1830-13	AS ABOVE	<u>289/ 6600/ -</u> -	- NONE	<u>1156</u> -	A S	A B O V E	AS ABOVE	2-.30-500	PROJECT COMPLETED	SPEC. -		
	ZXP-36F 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		M-51-552 SPEC. -	
	XP-37 CURTISS (1) V-1710-11	1000/25000 1150/25000 1150/ SL NONE	340/20000/ - 75	7.0/20000 35000 NONE	1825 2000	485/303/75% NONE	148 104 NONE	NONE NONE NONE	5272 6843 6350 NONE	37' 4" 31' 0" 235 Sq. Ft.	1-.30-500	PROJECT COMPLETED	SPEC. -
	AC- 9555 1 YP-37 CURTISS (1) V-1710-21	AS ABOVE	<u>340/20000/ -</u> 85	<u>8.1/20000</u> 34000 NONE	<u>1306</u> <u>1321</u>	870/305/75% <u>576/308/75%</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-1710-274-29	1000/25000 1150/25000 1150/ SL	<u>413/20000/ -</u> -	<u>8.5/20000</u> 38000 -	<u>2400</u> <u>2400</u>	- 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	(PRESSURE CABIN) SPEC. 1902
	AC-13205 1	-	-	-	<u>2400</u>	-	-	-	-	-	-	-	-

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

FIGHTER		AIRPLANE CHARACTERISTICS & PERFORMANCE											DATE: 1 JULY 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 @ SPEEDS & POWER		FUEL with		BOMBS at		WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—MDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS	DESIGN MILES	DESIGN GALLONS	DESIGN MILES	DESIGN GALLONS				
YP-38 LOCKHEED (1) V-1710-274-29 AC-12523 13	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				
XP-38A LOCKHEED (1) V-1710-274-29 AC-13205 1	AS ABOVE	413/20000 - -	6.5/20000 38000 -	2400 2400	- 1 HR. END @ 413 MPH NONE	400 230 NONE	NONE NONE NONE	11507 15416 13964 NONE	AS ABOVE	4-.50-205 1-20mm-60	PROJECT COMPLETED	SPEC. 1902 (PRESSURE CAPIN)				
XP-39 BELL (1) V-1710-93 AC-18373 3	1000/19300 1150/21300 1325/ S L NONE	390/24000/1150 -	13.5/24000 32000 NONE	3000 3000	2 HR. ENDURANCE -	225 100 NONE	NONE NONE NONE	6936 9940 9083 NONE	35' 10" 31' 11" 236 Sq. Ft.	6-.50-215 1-37mm-30	CONVERTED TO XP-39B "	SPEC. 23- 947-001.				
ZYP-39 BELL (1) V-1710-37 AC-12635 1	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	4855 7120 6592 NONE	34' 0" 30' 2" 213 Sq. Ft.	2-.39-350 2-.50-200 1-20mm-15	OBSELETE	SPEC. -				
YP-39A BELL (1) V-1710-31 AC-12635 1					SIMILAR TO YP-39 EXCEPT FOR ALTITUDE ENGINE WITHOUT TURBO SUPERCHARGER. (RECONVERTED TO YP-39 AND DESIGNATION CANCELLED.)											
XP-39B BELL (1) V-1710-37 AC-10341 1	AS ABOVE	<u>375/15000</u> - 103	- NONE	1400 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-19-430- 1035-45A.				
XP-39E BELL (1) V-1719-47 AC-18373 3	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 1-37mm-30	P-390 ALTERNATION	SPEC. 23- 945-001.				
XP-40 CURTISS (1) V-1710-19 AC-10136 1	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.				
XP-40F CURTISS (1) V-1650-1 AC-12414 1					P-40D CONVERTED WITH ENGINE CHANGE.											
YP-40F CURTISS (1) V-1650-1 -					SAME AS XP-40F EXCEPT COOLANT SYSTEM REMOVED TO REAR											

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AIRPLANE CHARACTERISTICS & PERFORMANCE

FIGHTER

DATE: 1 JULY 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				DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS - CALIBERS OF AMM. PER GUN	STATUS	REFERENCE	
					with SPEEDS & POWER	with DESIGN GALLONS	with DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS					
XP-40K CURTISS (1) V-1650-1					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.								SPEC. 7437 K
XP-400 CURTISS (1) V-1710-121	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. - ENG. -47- 1728-A. (4-5-44)	
XP-41 REPUBLIC (1) R-183C-19	1080/ 4000 1080/11000 1200/ SL NONE	323/15000/ -	-	1500	1860/226/ - 730/292/ - NONE	230 150 NONE	NONE NONE NONE	5389 - 6600 NONE	36' 0" 27' 0" 220 Sq. Ft.	1-.30-500	PROJECT	SPEC. 98-600 -A-2.	
AC- 8892			NONE	1500		NONE	NONE			1-.50-200	COMPLETED		
XP-42 CURTISS (1) R-1830-31	1000/ 8500 1000/11500 1050/ SL NONE	<u>315/15000/ -</u>	-	950	1210/220/35% 730/286/75% NONE	161 105 NONE	NONE NONE NONE	4818 6260 5919 NONE	37' 4" - 235 Sq. Ft.	1-.30-500	PROJECT	SPEC. -	
AC-10136			NONE	1490		NONE	NONE			1-.50-200	COMPLETED	A-19-922 & A-19-988.	
YP-43 REPUBLIC (1) R-1830-35	1100/ 1000 1100/20000 1200/20000 1200/ SL NONE	<u>349/20200/1200</u>	<u>5.5/15000</u>	1600	1250/175/40% 650/275/75% NONE	218 145 NONE	NONE NONE NONE	5488 7300 6910 NONE	36' 0" 28' 6" 224 Sq. Ft.	2-.30-500	REDESIGNATED	SPEC. 60-A.	
AC-12643			NONE	1850		NONE	NONE			2-.50-200	P-43	PHO-M-19- 1212-A.	
XP-45 BELL					CANCELLED - REDESIGNATED P-39C								
XP-46 CURTISS (1) V-1710-39	1000/11000 1150/11800 1150/ SL NONE	<u>355/12200/1150</u>	<u>5.0/12300</u> 29500 NONE	-	-	156 103 NONE	NONE NONE NONE	5625 7666 7081 NONE	34' 4" 30' 2" 208 Sq. Ft.	4-.30-500	PROJECT	SPEC. 7651	
AC-13447			NONE	-	58 MIN. * 332 NONE	NONE	NONE			2-.50-200	COMPLETED	PHO-M-19- 1374-A.	
XP-46A CURTISS (1) V-1710-39					SAME AS XP-46 EXCEPT FOR NO GUNS, B.P. GLASS OR RADIO.						PROJECT		
AC-13447											COMPLETED		
XP-47 REPUBLIC (1) V-1710-39	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 ALTERNATE	CANCELLED	SPEC. 888	
AC-13817			NONE	2300		NONE	NONE						
XP-47A REPUBLIC (1) V-1710-39					SAME AS XP-47 EXCEPT ALL ARMAMENT & RADIO EQUIPMENT IS OMITTED						CANCELLED	SPEC. 888	
AC-13817											CANCELLED		

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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 30' OBS.	RANGE with			WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS - CAL - DIS. GP AMM. PER GUN	STATUS	REFERENCE
					W/ SPEEDS % POWER	FUEL with	BOMBS at	EMPTY	POUNDS DESIGN				
XP-47B REPUBLIC (1) R-2800-35	1625/25000 2000/25000 2000/ SL	<u>412/25800/1960</u>	5.0/15000 38000	2650	1170/ - / - 575/335/75%	315 210	NONE NONE NONE	8655 12742 11600	AS ABOVE	6-.50-500 2-.50-500 ALTERNATE	CRASHED & DESTROYED	SPEC. 88C FLYING BR. TEST.	
AC-13817 XP-47E REPUBLIC (1) R-2800-21	NONE	-	NONE	2450	P-47B REWORKED WITH PRESSURIZED CABIN AND RADIO COMMAND SET SCR-283								
AC-15850 XP-47F REPUBLIC (1) R-2800-21					P-47B AIRPLANE WITH LAMINAR FLOW AIRFOIL WINGS.								
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	<u>*506/33500/2800</u>	3.3/15000	1450	2660/ - / - 1225/ - / -	870 270	NONE NONE NONE	9833 16780 12840	41' 0" 33' 3" 300 Sq. Ft.	6-.50-267	CURRENT	REPUBLIC-505	
AC-39160 XP-47K REPUBLIC (1) R-2800-21		92	NONE	2500	SAME AS P-47D-5-RE EXCEPT FOR CHANGE TO HAWKER "HURRICANE" TYPE CANOPY, GIVING BETTER COMBAT VISIBILITY AND SIMPLIFIED PRODUCTION.								
AC-21080 XP-47L REPUBLIC (1) R-2800-63					SAME AS P-47D-15-RE EXCEPT FOR FUEL INCREASE IN MAIN CELL TO 65 GALLONS.								
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 DOORS; G-10 FUEL PUMP. THE YP-47M DIFFERS FROM P-47M IN THAT IT WILL NOT HAVE DIVE FLAPS OR BLUNT W/CD AILERONS.								
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.								
AC-29279 XP-48 REPUBLIC					PERFORMANCE WITH PROPOSED ENGINE INSTALLATION NOT CONSIDERED FEASIBLE.								

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 1945

FLYER	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 CALIBERS OF AMM. PER GUN	STATUS	REFERENCE		
						% SPEEDS % POWER	EMPTY	POUNDS DESIGN POUNDS						
	XF-4G LOCKHEED (2) X1-1430-13 & -15 AC-13476 5	1150/25000 1600/25000 1350/ S L	458/25000/3160	8.7/20000 27500	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)	
	XF-50 GRUMMAN (1) R-1820-67 & -69 AC-13682 1	1000/25000 1200/25000 1200/ S L NONE	424/25000/2500	5.0/20000 NONE	1400 2400	- 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	
	XP-51 NORTH AMERICAN (1) V-1710-35 AC-15471 2	1000/11000 1150/11800 1150/ S L NONE	382/13000/1110	10.9/20000 NONE	-	3.5 HR. @ 65% NONE	170 105 NONE	NONE NONE NONE	6258 - 7234 NONE	37' 0" 32' 3" 233 Sq. Ft.	4-.30-500	PROJECT COMPLETED	SPEC. 1620 PHC-M-19- 1330-A.	
	XP-51B NORTH AMERICAN (1) V-1650-3 AC-32073 2	980/26000 1120/16000 1120/16000 1350/19000 1380/24000 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	466/29000/1385	4.3/20000 42500 NONE	1253 1457	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	PROJECT COMPLETED	SPEC. 5656	
	XP-51G NORTH AMERICAN (1) R-14 SM AC-37857 2	1175/12500 1675/ S L NONE	472/20750/1850	3.4/20000 45700 NONE	1215 1580	1865/315/ - 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 1200/30000 1500/ S L 1720/20700	491/27400/1620	3.6/20000 43600 NONE	1098 1595	- - -	330 105 180	NONE NONE 1000	5749 5141 7550 9185	37' 0" 32' 3" 235 Sq. Ft.	AS ABOVE	CURRENT	SPEC. 8121	
	XP-52 BELL (1) X1-1430-5 AC-15581 1	1600/15000 1250/ S L NONE	435/20000/ -	5.3/20000 40000 NONE	3000 3000	- - NONE	- - NONE	NONE NONE NONE	8046 - 8200 NONE	- - -	6-.50-500 2-20mm-100	-	SPEC. 16- 945-004.	
	XP-53 CURTISS (1) IV-1430-3 AC-15581 1	1600/15000 1250/ S L NONE	430/18000/ -	6.4/15000 30500 NONE	2800 2200	- 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-247C-1 AC-15019 2	2000/25000 2300/25000 2300/ S L	403/28500/2300	17.0/26000 37000 NONE	3280	845/328/75% 490/328/75% NONE	355 223 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)	

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AIRPLANE CHARACTERISTICS & PERFORMANCE

FIGHTER

DATE: 1 JULY 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. CEL. - 1/2 ENGS. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND/COVER 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 SPEEDS % POWER	EMPTY							
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	PROJECT COMPLETED	SPEC. -24- 2-51.	
XP-56 NORTHROP (1) R-2800-29 AC-15021 1 AC-25060 1	1675/ 5500 1825/ 15000 2000/ 1000 1875/ 12500 2000/ S L	465/25000/1800 -	7.8/20000 33000 NONE	2175 2500	660/396/75% 445/396/75% NONE	314 215 NONE	NONE NONE NONE	8699 12143 11350 NONE	42' 7" 23' 7" 311 Sq. Ft.	4-.50-400 2-20mm-100	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 -	500/285/ - 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-35212 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	PROJECT COMPLETED	SPEC. 1870 (PRESSURE CAPIN)	
XP-59 BELL (1) R-2800-23 AC-17506 2	1675/ 5500 1550/21500 2000/ 15000 1800/19500 2000/ S L NONE	450/22000/ - -	6.3/20000 38000 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 N RADIO PROVIDED. NO OTHER INFORMATION AVAILABLE.											SPEC. 27- 945-001.	
YP-59A BELL (2) G.E. "1-16" AC-21931 13	16000 R.P.M. 16500 R.P.M. 16500 R.P.M.	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-600) (1) V-1650-1 AC-18551 1	1080/ 9500 1010/ 16000 1240/ 11500 1120/ 16500 1300/ S L NONE	380/20000/1124 -	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. 8230A PHO-W-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	

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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	MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	EMPTY POUNDS DESIGN POUNDS	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBRS. OF AMM. PER GUN	STATUS	REFERENCE	
YF-60A CURTISS (1)R-2800-10 AC-35373 26						FIRST (26) P-60A AIRPLANES WERE TO HAVE BEEN USED FOR SERVICE TEST PURPOSES.							CANCELLED	SPEC. 8411	
XP-60B CURTISS (REDESIGNATED XP-60C) (1)Y-1710-75 AC-28113 1						SAME AS XP-60A EXCEPT FOR WRIGHT AERONAUTICAL TURBO IN LIEU OF G.E.									SPEC. 8509
XP-60C CURTISS (1)R-2800-53 AC-28113 1		1875/5500 1825/15500 2000/1000 1800/13500 2000/S L 2000/19000	WE 419/20350/2000	WE 9.5/20000 35000 NONE	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	
XP-60D CURTISS (FORMERLY XP-60E) (1)Y-1650-3 AC-18551 1						SIMILAR TO XP-60 EXCEPT FOR ENGINE, 4 BLADED PROPELLER, G.F.E. (CRASHED 5-5-43) IPMENT CHANGES & INCREASED PERFORMANCE.									
XP-60E CURTISS (FORMERLY XP-60R) (1)R-2800-10 AC-28113 1		AS ABOVE	405/24500/1650 95	WE 3.9/15000 4.8/15000 34800 NONE	1265 -	135/-/- NONE	360 178 NONE	NONE NONE NONE	8293 11578 10200 NONE	AS ABOVE			PROJECT COMPLETED	SPEC. 8509	
YF-60E CURTISS (1)R-2800- AC-35373 2						SIMILAR TO XP-60E. TWO P-60A-1 AIRPLANES TO BE USED FOR SERVICE TEST PURPOSES.									
XP-61 NORTHROP (2)R-2800-10 AC-17442 2		AS ABOVE	370/20900/3090 95	9.0/20000 33100 -	1575 2150	1465/200/33% 1200/200/33% NONE	660 540 NONE	NONE NONE NONE	21695 28872 27576 NONE	66' 0" 48' 11" 662 Sq. Ft.	4-.50-500 4-20mm-150		PROJECT COMPLETED	SPEC. 8A ENG. 19-1605-A & 10m.	
YF-61 NORTHROP (REDESIGNATED P-62) (2)R-2800-10 AC-18086 13						SERVICE TEST MODEL OF THE XP-61									SPEC. -88.
XP-61D NORTHROP (2) R-2800-77 AC-2407 2		2100/35000 1700/40000 2100/S L 2800/30000	WE 430/30000/5600 84	13.5/30000 43000 -	2000 1600	3000/205/- -	1846 528 -	- -	23207 39508 29207 -	66' 0" 48' 11" 662 Sq. Ft.	4-.50-450 4-20mm-200		CURRENT	Spec. 8F	
XP-61E NORTHROP (2)R-2800-65 AC-2407 2		1550/21500 1650/22500 2000/S L	376/17000/3860 87	13.0/20000 30000 -	2700 1550	3750/215/- 2250/220/-	2398 1158 -	NONE NONE NONE	21347 40181 31423 -	AS ABOVE	4-.50-300 4-20mm-200		CURRENT	Spec. 17	

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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.-RDS. OF AMM. PER GUN	STATUS	REFERENCE
					* SPEEDS % POWER	MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM				
XP-62 CURTISS (1) R-3350-17 AC-19440 2	2100/25000 2250/25000 2300/ S L	448/27000/2250 85	6.6/15000 35700 NONE	2350 2140	575 * 2100 HP. - NONE	384 245 NONE	NONE NONE NONE	11773 16651 14660 NONE	53' 8" 39' 6" 420 Sq. Ft.	8-20mm-150	CURRENT	SPEC. 8343A (PRESSURE Cabin)
XP-63 BELL (1) V-1710-93 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 NONE	- 7565 NONE	38' 4" 31' 8" 248 Sq. Ft.	2-.50-200	BOTH CRASHED	SPEC. 24- 942-001.
XP-63A BELL (1) V-1710-93 AC-18966 1	1000/19300 1150/21300 1325/ S L 1500/ S L	422/24100/1150	7.0/20000 35000 44000 NONE	3000 3000	- 585/341/ - -	136 100 100	NONE NONE 500	6218 7886 7705 8155	38' 4" 31' 8" 348 Sq. Ft.	2-.50-200	PROJECT CANCELLED	SPEC. 24- 947-001-1. ENG.-19- 625A.
XP-63B BELL (1) V-1650-5 AC-21218 2					SIMILAR TO XP-63A EXCEPT FOR ENGINE CHANGE						CANCELLED	SPEC. 34-947 001.
XP-65 GRUMMAN (2) R-2600- AC-21218 2					SINGLE PLACE, TURBO SUPERCHARGED AIRPLANE WITH (2) 37mm CANNON, (4) .20mm CANNON, AND SCR-274 COMMAND SET.						CANCELLED	
XP-67 McDONNELL (1) X1-1430-17B-19 (1st ART.) (2) X1-1430-23 (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	16661 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" AC-22238 2					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	CANCELLED	SPEC. 412 (PRESSURE CAPIN)
XP-71 CURTISS (2) R-4360-13 AC-22851 2	2500/5000 1200/25000 3000/ 1500 12400/25000 3000/ S L NONE	428/25000/6000 97	12.5/25000 40100 -	2200 2200	3000/270/ - 1.5 HR. END. WOR. NONE	1940 900 NONE	NONE NONE NONE	31059 46951 39950 NONE	82' 2" 81' 8" 902 Sq. Ft.	2-37mm-60	CANCELLED	SPEC. 26- 251. (PRESSURE CABIN)
XP-72 REPUBLIC (1) R-4360-13 AC-37879 2	2200/25000 2400/25000 3000/ S L 3450/ S L	490/25000/3000	3.5/15000 42000 NONE	2200	1530/315/ - 1300/300/ - -	670 370 370	NONE NONE 2000	11467 17492 15313 17313	41' 0" 36' 7" 300 Sq. Ft.	6-.50-267	CURRENT	SPEC. 507

NOTES: W WAR EMERGENCY

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

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FIGHTER		AIRPLANE CHARACTERISTICS & PERFORMANCE												DATE: 1 JULY 1945		
MODEL & MFR. (NO.) ENGINE (S)	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		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	POUNDS DESIGN POUNDS	POUNDS DESIGN POUNDS						
XP-75 FISHER (1) V-3420-19 AC-33962 2	2100/17000 2300/20000 2600/ S L 3000/ S L	<u>400/20000/2300</u> P2	7.0/20000 37000 NONE	1300 2000	3850/250/- 3010/250/- NONE	859 639 NONE	NONE NONE NONE	11441 19418 17878 NONE	49' 1" 41' 6" 342 Sq. Ft.	4-.50-300 plus ALTERNATE 6-.50-235 WING GUNS	PROJECT COMPLETED	SPEC. X-92				
XP-77 BELL (1) XV-770-17 AC-30864 2	450/12000 520/ 8500 520/ S L 670/ S L	350/ 8500/ 520 92	3.0/ 8500 30100 NONE	1280 1797	- 550/250/- -	94 56 56	NONE NONE 325	2760 3857 3583 3940	27' 6" 22' 11" 100 Sq. Ft.	2-.50-200	PROJECT COMPLETED	SPEC. 32- 947-001.				
XP-78 NORTH AMERICAN (1) V-1650-3				SIMILAR TO P-51	EXCEPT FOR ENGINE AND PROPELLER CHANGES AND COOLING SYSTEM.								DESIGNATION CANCELLED			
XP-79 NORTHROP					INFORMATION NOT AVAILABLE								CURRENT			
XP-80A LOCKHEED (1) GE-J-33 AC-40680 2	4000 LB. THRUST AT S.L.	558/ S L WITH 4000 LB. THRUST	4.6/20000 48500 NONE	6740	1175/415/- -	810 -	NONE -	7230 13780 -	39' 0" 34' 10" 236 Sq. Ft.	6-.50-200	CURRENT					
XP-81 CONSOLIDATED					INFORMATION NOT AVAILABLE								CURRENT			
XP-82 NORTH AMERICAN (1) V-1650-98-21 AC-2029 2	1100/17500 1500/15700 1380/ S L 2270/ 4000	482/25100/3600	4.5/20000 43100	2470 2415	2600/315/- 1390/334/- -	1045 600 400	NONE NONE 4000	13403 22000 19100 22000	51' 3" 38' 1" 408 Sq. Ft.	6-.50-400	CURRENT	SPEC. 8030				
XP-82A NORTH AMERICAN (2) V-1710-119 AC-2029 2					SAME AS XP-82 EXCEPT FOR ENGINE CHANGE.								CURRENT			
XP-83 (2) G.F. "1-40"					INFORMATION NOT AVAILABLE								CURRENT			
XP-84 REPUBLIC					INFORMATION NOT AVAILABLE								CURRENT			

NOTES:

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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. *CEL -1.2 ENGR. OUT	T. O. & LAND T. O. OVER 30' OBS. LAND-OVER 30' OBS.	RANGE with		FUEL with		BOMBS at	WEIGHTS EMPTY	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBERS OF AMM. PER GUN	STATUS	REFERENCE
					30 SPEEDS % POWER	DESIGN MILES	DESIGN GALLONS	NOSE DESIGN MAXIMUM						
XP-86 NORTH AMERICAN (1)GE-TG180 AC-11114	4000 LB. THRUST AT S.L.	582/10000 AT 2840 LB. THRUST	5.5/25000 46500 NONE	2320 2160	2240/ - / - 1500/396/ -	750 750	- -	7610 14000 14000		38' 3" 35' 6" 255 sq. ft.	6-.50-207	CURRENT		

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

CARGO		DATE: 1 JULY 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. CEL.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with PERSONNEL at WEIGHTS		DIMENSIONS	ARMAMENT	STATUS	REFERENCE			
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS					PLACES, CREW or POUNDS	EMPTY POUNDS DESIGN POUNDS	SPAN LENGTH WING AREA
ZXC-35 LOCKHEED (2) R-1340-43 AC-8805 YIC-38 LOCKHEED	550/ S L - 550/ S L NONE	240/20000/- - -	- 32000 -	2000 - 1800	860/190/50% 530/208/75% -	250 250 -	- - -	7600 10500 10500 -	55' 0" 39' 8" 460 Sq. Ft.	NONE	OBSOLETE	SPEC. 1201 (PRESSURE CABIN)	
(2) R- 985-13 AC-9063 YIC-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 MC-36				
(2) R- 985-13 AC 9619 YC -43 BEECH					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	RESIGNATED MC-37			SPEC. 6-303-2	
(1) R- 985-17 AC-12336 XC -46B CURTISS	400/5000 - 450/ S L NONE	195/5000/400 60	11.0/10000 20000 NONE	1200 1200	775/150/52% 600/170/67% -	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					SAME AS C-46 EXCEPT FOR CURTISS-WRIGHT ENGINE, 3 BLADED PROPELLER AND NEW TWO-ZONE COWLING AND QUICK DETACHABLE TYPE MOUNT IN NEW NACELLES.								
(2) R-1830-92 AC-20669 XC-53A DOUGLAS					C-47 AIRPLANE REDESIGNATED XC-47C: EQUIPPED WITH EDO AIRCRAFT CORPORATION AMPHIBIOUS FLOATS.								
(2) R-1830-82 AC-20667 XC-60B LOCKHEED					SIMILAR TO C-53 EXCEPT FOR FULL SPAN, SINGLE SLOTTED FLAP AND HEATED SURFACE ANTI-ICING EQUIPMENT.							SPEC. 3364	
(2) R-1820-87 AC-33164 YC-62 WACO					SIMILAR TO C-50A WITH HEATED SURFACE ANTI-ICING EQUIPMENT INSTALLED.								
(2) R-1830-92 AC-22368 YC-64 NOORDUYM					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	
(1) R-1340-AN-1 AC-21632					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 & PERFORMANCE

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DATE: 1 JULY 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 50' OBS. LAND OVER 50' OBS.	RANGE with (3 SPEEDS & POWER)		FUEL with PERSONNEL at or CARGO		WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-BDS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	PLACES, CREW or POUNDS	EMPTY POUNDS DESIGN POUNDS						
XC-65 STOUT (SKYCAR) (1) FRANKLIN P.O. 5530 1	90/ S L 90/ S L NONE	110/2500/90 55	2.0/1000 15000 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 11 YC-76A-1 CURTISS (2) R-1830-92 AC-27018 9 ZXC-81D STINSON (1) R-985 P.O. 3426 1					CURTISS-WRIGHT MODEL (P-269). A (23) PLACE, AIRBORNE CARRIER OF PLYWOOD CONSTRUCTION.  SIMILAR TO C-76 EXCEPT FOR FUSELAGE DESIGN AND COLOR CHANGES.  STINSON MODEL SR-10F (RELANT). A (5) PLACE, CABIN LAND OR SEA MONOPLANE WITH SPECIAL EQUIPMENT FOR WINDLASSES, ETC. FOR PURPOSE OF GROUND CONTACT.									
XC-82 FAIRCHILD (2) R-2800-34 AC-30435 2 XUC-56A FAIRCHILD (1) L-440-7 1 XUC-86B FAIRCHILD (1) X0-405-7 AC-38782 1 XC-87 BOEING (4) R-3350-28 AC-34438 3 XC-88 CONSOLIDATED (6) R-4360-25 AC-34454 1 XC-105 BOEING (REDESIGNATED XP-15) (4) R-1830-11 1	1700/ 8500 2100/ 3000 2100/ S L NONE	235/8050/ 3400 -	8.0/10000 29000 12000	1920 1920	4900/144/ - 3700/120/ -	3120 2246 -	- -	28000 50000 42000 -	106' 6" 76' 2" 1400 Sq. Ft.	NONE	CURRENT	SPEC. 78001-A		
XUC-86B FAIRCHILD (1) X0-405-7 AC-38782 1 XC-87 BOEING (4) R-3350-28 AC-34438 3 XC-88 CONSOLIDATED (6) R-4360-25 AC-34454 1 XC-105 BOEING (REDESIGNATED XP-15) (4) R-1830-11 1	2000/33000 2200/33000 2200/ S L NONE	332/25000/8800 -	45.0/25000 30500 15600 (3 ENGINES)	5000 3800	3730/217/ - 2765/227/ -	5785 4390 -	10920# 20022# -	70122 120000 120000 -	141' 3" 110' 4" 1739 Sq. Ft.	NONE	CURRENT	SPEC. D-4233		
XUC-86B FAIRCHILD (1) X0-405-7 AC-38782 1 XC-87 BOEING (4) R-3350-28 AC-34438 3 XC-88 CONSOLIDATED (6) R-4360-25 AC-34454 1 XC-105 BOEING (REDESIGNATED XP-15) (4) R-1830-11 1	2500/40000 3000/35000 3000/ S L NONE	335/30000/18000 -	38.0/20000 30000 20000 (5 ENGINES)	5000 4900	9250/173/ - 1700/200/ -	20814 5085 -	1500# 100000# -	130450 265000 265000 -	230' 0" 182' 6" 4772 Sq. Ft.	NONE	CURRENT	SPEC. ZD-37-001.		
XC-105 BOEING (REDESIGNATED XP-15) (4) R-1830-11 1					XP-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 & PERFORMANCE

DATE: 1 JULY 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 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	
					% SPEEDS % POWER	DESIGN MILES					DESIGN GALLONS
XC-107 STOUT (1) 0-290					STOUT MODEL (SKYCAR 111 A). A (2) PLACE, MID-WING, PUSHER TYPE TWIN ROOM MONOPLANE. THE PILOT AND PASSENGER ARE SEATED IN NOSE OF A NACELLE, AND THE ENGINE INSTALLED IN REAR TO DRIVE A PUSHER PROPELLER. CONSTRUCTION TO BE LARGELY OF LOW ALLOY STEELS AND PLASTIC MATERIALS. USEFUL LOAD IS 6231 LBS. AND 25 GAL. FUEL TANK IS PROVIDED.					SPEC. 103	
XC-108 BOEING (4) R-1820-97					B-17E REWORKED INTO PERSONNEL TRANSPORT AS FOLLOWS: ALL ARMOR PLATE, BOMB RACKS, TURRETS AND GUNS EXCEPT DUAL TAIL GUNS, AND SINGLE .50 CAL. NOSE GUN REMOVED. MAIN CABIN DIVIDED INTO THREE COMPARTMENTS.						
YC-108 VEGA (4) R-1820-97					B-17F-45-VE REWORKED INTO PERSONNEL TRANSPORT.						
XC-108A BOEING (4) R-1820-97					B-17E REWORKED INTO CARGO AIRPLANE AS FOLLOWS: ALL ARMOR PLATE, ARMAMENT AND GUN TURRETS TO BE REMOVED; BOMB BAY TO BE RESKINNED; DOOR TO BE SKINNED OVER AND NEW SIDE DOOR TO BE CUT AT LEFT WAIST GUN POSITION; RADIO AND NAVIGATORS COMPARTMENT TO BE LOCATED IMMEDIATELY TO THE REAR OF PILOTS COMPARTMENT; FORWARD, NOSE POSITION TO BE MADE NOSE PASSENGER COMPARTMENT. MAIN CABIN TO BE CARGO COMPARTMENT.						
XC-108B BOEING (4) R-1820-97					B-17E CONVERTED TO FUEL TANK SUPPLY AIRPLANE.						
XC-109 FORD (4) R-1830-43					R-24E CONVERTED TO FUEL TANK SUPPLY AIRPLANE.						
AC-21216 XC-112 DOUGLAS (4) R-2800-22K					SIMILAR TO C-54B EXCEPT FOR ENLARGED FUSELAGE, PRESSURIZED CABIN, TERNAL WINGS AND EMPENNAGE, R-2800-C ENGINE AND IMPROVED FLAPS TO PROVIDE INCREASED LANDING WEIGHT.					SPEC. 478 CANCELLED	
XC-112A DOUGLAS (4) R-2800-34	1500/18500 2100/3000 NONE	310/23900/ 4400	20.0/23900 30200 25300	2820 2670	3382/260/- 1571/252/-	3601 1583	9300# 10100#	46950 80500 70000			CURRENT FORMERLY XC-115
AC-361 XC-113 CURTISS (2) GE-TG-100	300 LBS. THRUST PLUS 1730 BHP. AT 13100'.	294/13000/1800* 285 LB. JET THRUST	17.3/20000 31900 16300	1810 1900	1720/240/- -	1400 -	5340# -	29608 45000 -			CURRENT
AC-9081 XC-114 DOUGLAS (4) Y-1710-131	1150/14700 1620/1500 NONE	295/20800/3980	29.5/20800 25600 19200 (3 ENGINES)	3280 4660	3757/253/- 1767/246/-	3601 1583	11830# 12514#	44444 80500 70000			CURRENT
AC-361											

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AIRPLANE CHARACTERISTICS & PERFORMANCE

LIAISON & PHOTO

DATE: 1 JULY 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 CALIBERS OF AMM. PER GUN	STATUS	REFERENCE
					with SPEEDS & POWER	EMPTY				
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM	POUNDS DESIGN POUNDS		
XL-5F CONSOLIDATED (1) O-435-1					SIMILAR TO L-58 EXCEPT FOR 24-VOLT ELECTRICAL SYSTEM AND SCR-274M RADIO. THE ENGINE HAS AN ACCESSORY DRIVE CASE. (REDESIGNATED L-5F-VW)			0-435-2	REDESIGNATED	
XL-6 INTERSTATE (1) XO-200-5 P.O. 14016	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		REDESIGNATED L-5F-YW
XL-13 STINSON (1) XO-425-5	240/ S L - 245/ S L NONE	115/ SL/240	8.35/ 5000 15000 NONE	470 482	750/ 92/ - 368/ 92/ -	110 46	NONE NONE	1843 3184 2900		REDESIGNATED FS-M-19-1518A. CURRENT
AC-9160										
XF-11 HUGHES (2) R-4360-31 AC-1079	2500/33000 3000/33000 3000/ S L	450/33000/6000 100	17.4/33000 42000 18000	3700 3200	5000/ - / - 4000/ - / -	2650 2050	NONE NONE NONE	39392 58315 47500		SPEC. DI-1 CURRENT
XF-12 REPUBLIC (4) R-4360-31 AC-2136	2500/40000 3000/40000 3000/ S L	<u>490/40000/12000</u>	32.0/40000 <u>** 50000</u>	-	4640/370/ - 4016/358/ -	5550 4350	NONE NONE NONE	71472 - 95000		SPEC. 524 CURRENT
XF-13 BOEING (4) R-3350-23					B-29 CONVERTED FOR PHOTOGRAPHIC USE.					CURRENT
XF-14 LOCKHEED (1) 1-40 AC-2393					YP-80A CONVERTED FOR PHOTOGRAPHIC USE.					CURRENT

NOTES:

\* TESTED AT GROSS WEIGHT OF 1650 lb.  
\*\* CONTRACTORS ESTIMATES

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AIRPLANE CHARACTERISTICS & PERFORMANCE

OBSERVATION

DATE: 1 JULY 1945

MODEL & MFR. (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MILITARY/ALT. TAKE-OFF S. L. WAR EMERG/ALT.	SPEEDS MAX. ALL 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
YO-50 BELLANCA (1) V-770-1	420/ S L 420/ S L NONE	126/ S L/420 27	10.0/10000 19420 NONE	300 410	247/114/75% 230/114/75% NONE	54 52 NONE	NONE NONE NONE	3086 3887 3887 NONE	55' 6" 35' 2" 491 Sq. Ft.	NONE NONE IN SERVICE	SPEC. A-1 PHQ-M-19- 1163-A.
AC-13148 YO-51 RYAN (1) R-985-21	420/ S L 440/ S L NONE	130/ S L/- 30	13.1/10000 19700 NONE	482 337	266/119/75% NONE	52 52 NONE	NONE NONE NONE	3432 4200 4200 NONE	52' 0" 34' 5" 400 Sq. Ft.	NONE SENT TO TRAINING SCHOOLS	PHQ-M-19- 1104-A
AC-13101 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 NONE	928 1580 NONE	34' 0" 22' 2" 155 Sq. Ft.	NONE NONE IN SERVICE	-
AC-41-1071 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% NONE	14 NONE	NONE NONE NONE	718 1300 NONE	30' 0" 20' 2" 143 Sq. Ft.	NONE NONE IN SERVICE	-
PO-41-7100 YO-57 TAYLORCRAFT (1) YO-170-3	AS ABOVE AS ABOVE	92/ S L/- -	- 11000 NONE	- -	- -	14 14	NONE NONE NONE	840 1250 1250 NONE	35' 4" 22' 9" 181 Sq. Ft.	NONE REDESIGNATED L-2	SPEC. A-100
AC-21189 YO-58 AERONCA (1) YO-170-3	AS ABOVE AS ABOVE	87/ S L/65 42	- 10000 NONE	1200 950	218/ 79/75% NONE	12 NONE	NONE NONE NONE	780 1200 NONE	35' 0" 22' 4" 158 Sq. Ft.	NONE REDESIGNATED L-3	SPEC. 3966
AC-21190 YO-59 PIPER (1) YO-170-3	AS ABOVE AS ABOVE	87/ S L/ 65 38	15.0/ 5000 9800 NONE	737 605	206/ 75/76% NONE	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 XO-60 YO-60 KELLET (1) R-915-3	300/3700 330/ S L NONE	127/ S L/- 30	8.0/10000 19000 NONE	250 50	217/103/60% NONE	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 XO-61 YO-61 A.G.A. (1) R-915-3	AS ABOVE 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. 1533
AC-21450 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:

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  
AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 22

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	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	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	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	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. G-144	
XR-2	KELLETT (1) R-915-1 AC-9672					SIMILAR TO THE YG-1C EXCEPT FOR ENGINE CHANGES, ROTOR DRIVE SYSTEM, AND OTHER REFINEMENTS.								SPEC. RC-417-2.
XR-3	KELLETT (1) R- 755-3 AC-9672					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					REDESIGNATED XR-4C.								SPEC. R-550-1
YR-4A	SIKORSKY (1) R-550-1 AC-29005	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 2894	38' 0" Dia. 35' 5" Rotor Disc. 1130 Sq. Ft.	NONE	(3) YR-4A SERVICE TEST (5) YR-4B SERVICE TEST	SPEC. 5922A	
XR-4C	SIKORSKY (1) R-550-1 -	AS ABOVE	83/ SL/165* 0	16.0/ 7300* 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 QA-2514	450/ S L - 450/5000	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					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 & PERFORMANCE

ROTARY

DATE: 7 JULY 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 90° OBS. LAND OVER 90° 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 SPEEDS % POWER	DESIGN GALLONS	DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
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-6 SIKORSKY (1) O-435-7	225/ S L NONE 225/ S L NONE	95/ SL/225 0	10.0/10000 15000 NONE	0 0	- 143/100/65%	50 20	NONE -	1990 2590	38'0" DIA. 38'3" ROTOR DISC. 1134 Sq.Ft.	NONE	CURRENT	Spec. 5923
AC-35340 1 XR-6A SIKORSKY (1) O-405-9	240/ S L NONE 240/ S L NONE	105/ SL/245 0	10.0/10000 15000 NONE	0 0	430/ 80/ - 125/ 80/ - 100/ 75/ -	70 20 20	NONE NONE 700	1990 2925 2625 3325	A S A B O V E		CURRENT	
AC-35340 4 YR-6A SIKORSKY (1) O-405-9					IDENTICAL TO XR-6A FOR SERVICE TEST:							
AC-40217 26 XR-7 SIKORSKY (1) O-405-					SAME AS THE XR-6 EXCEPT FOR ENGINE CHANGE. (DESIGNATION CANCELLED - REDESIGNATED XR-6A.)							
AC-35340 1 XR-8 KELLETT (1) O-405-9	240/ S L NONE 240/ S L NONE	80/ S L/245 0	13.2/10000 8500 NONE	0 0	425/ - / - 195/ - / -	74 34	NONE NONE	2123 3020 2780	2 x 36'0" DIA. 40'0" ROTOR DISC. 1164 Sq.Ft.	NONE	CURRENT	Spec. 120-23
AC-40711 2 XR-8A KELLETT (1) XO-405-9					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-296-5	126/ S L NONE 126/ S L NONE	94/ SL/126 0	- 12400 NONE	0 0	262/ 74/ - 172/ 75/ -	25 16	NONE NONE	1022 1387 1333	28'0" DIA. 35'0" ROTOR DISC. 615 Sq. Ft.	NONE	CURRENT	Spec. AU-744
AC-1708 2												

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AIRPLANE CHARACTERISTICS & PERFORMANCE

AUTOGIRO

DATE: 1 JULY 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 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	
					of SPEEDS % POWER	MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS					NONE DESIGN MAXIMUM
YG-1 KELLETT (1) YR-755-1 AC-7670 1					KELLETT MODEL KO-1 AUTOGIRO WITH CHANGES. (CRASHED; REWORKED; DEMOLISHED IN CRASH).						KO-1	
YG-1A KELLETT (1) YR-755-1 AC-8606 1					SIMILAR TO YG-1 WITH MINOR IMPROVEMENTS, INCLUDING INSTALLATION OF HIGH FREQUENCY RADIO.						YG-1 #1	
YG-1B KELLETT (1) R-755-3 AC-9672 7	NONE 225/ S L NONE	106/ 3L /225 0	6.1/5000 12200 NONE	555 209	- 160/ 80/ -	30 30 30	NONE NONE NONE	1619 2244 2244 2244	40' DIA. 26' 0" 1257 Sq. Ft. (DISC AREA)	NONE	(1) CONVERTED to XR-2. (2) CONVERTED to XR-3.	10-120-1
YG-1C KELLETT (1) R-755-3 AC-9672 1	A S A B O V E		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

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AIRPLANE CHARACTERISTICS & PERFORMANCE

TRAINING, PRIMARY

DATE: 1 JULY 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	
					with SPEEDS % POWER	with SPEEDS % POWER					EMPTY POUNDS DESIGN POUNDS
<b>YPT-14</b> 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
<b>XPT-15</b> ST. LOUIS YPT-15 (1) R-760-1 P.O.-5480 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
<b>XPT-16</b> 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. 449C
<b>XPT-23</b> FAIRCHILD (1) R-670-5 AC-15519 1	220/ S L NONE 220/ S L NONE	131/ SL/215 -	16.2/10000 15500 NONE	- -	463/105/54% - NONE	45 45 NONE	NONE NONE NONE	2619 2619 NONE	35' 11" 27' 8" 200 Sq. Ft.	NONE PROJECT COMPLETED	SPEC. 6315 PHQ-N-19- 1251-A. SPEC. 1202A
<b>ZYPT-25</b> RYAN (1) O-435-1 AC-21204 5											
LOW WING CANTILEVER MONOPLANE WITH 185 HP ENGINE. (REDESIGNATED ZYPT-25)											

NOTES:

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AIRPLANE CHARACTERISTICS & PERFORMANCE

TRAINING, BASIC

DATE: 1 JULY 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 SPEEDS & POWER		FUEL with DESIGN GALLONS	BOMBS DESIGN MAXIMUM	WEIGHTS EMPTY	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS - CAL. - BBS. OF AMM. PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS							
Y1BT-10 NORTH AMERICAN (1) R-1340-41 AC-9345	550/5000 600/ S L NONE	196/5000/ -	7.5/10000 25700 NONE	1100 1025	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-99.	
XBT-11 AIRCRAFT RESEARCH CORP. (1) R-985-25 AC-12714	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	
XBT-12 FLEETWINGS (1) R-985-25 AC-12728	AS ABOVE 65	188/ S L/450 22300 NONE	9.3/10000 18400 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	
XBT-16 VIDAL RESEARCH (1) R-985-25 AC-12714	AS ABOVE	168/5000/390	10.6/10000 18400 NONE	1000 1000	560/140/ - NONE	92 92	NONE NONE NONE	3558 4605 4573	42' 0" - 239 Sq. Ft.	NONE	"	SPEC. 101	
XBT-17 STEARMAN (1) R-985-AN-1 AC-23157					LOW WING MONOPLANE WITH FIXED LANDING GEAR; WING IS OF WOODEN CANTILEVER CONSTRUCTION AND STEEL TUBE WITH FABRIC COVERING. NO ARMAMENT.				USELAGE OF		"	SPEC. R-706-5	

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AIRPLANE CHARACTERISTICS & PERFORMANCE

TRAINING, ADVANCE

DATE: 1 JULY 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	EMPTY POUNDS DESIGN POUNDS				
ZXAT-13 FAIRCHILD (2) R-1340-AN-1 AC-18565 1	550/5000 600/S L NONE	<u>211/5100/1124</u> 72	<u>10.4/10000</u> <u>18000</u> <u>5000</u>	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
ZXAT-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	8038 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#.

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QUARTERLY CHART

PAGE 29

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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 (M) AUTO-WINCH (M) 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			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-REDS. OF AMM. PER GUN	STATUS	REFERENCE	
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
XCG-1 FRANKFORT		120 -			8 TROOPS	PLUS	EQUIPMENT	1600 -	85' 0" 43' 6" 725 Sq. Ft.	NONE	PROJECT COMPLETED	CHART MX- 114
AC-19381		32						3600 -				
XCG-2 FRANKFORT		120 -			15 TROOPS	PLUS	EQUIPMENT	2700 -	115' 0" 56' 0" 1322 Sq. Ft.	NONE	"	CHART MX- 114
AC-19381		32						6500 -				
XCG-3 WACO		120 120 40			9 TROOPS	PLUS	EQUIPMENT	2093 -	83' 6" 46' 4" 810 Sq. Ft.	NONE	"	SPEC. 1286A
AC-19629								4400 -				
XCG-4 WACO		150 150 44			15 TROOPS	PLUS	EQUIPMENT	3050 -	83' 8" 48' 8" 852 Sq. Ft.	NONE	"	SPEC. 1326-A
AC-19629								6800 -				
XCG-4B WACO												SPEC. 1526-A 1025-2
ONE CG-4A GLIDER PRODUCED BY TIMM AIRCRAFT CORPORATION EQUIPPED WITH A SPECIAL ALL-WOOD FUSELAGE.												
XCG-5 ST. LOUIS		120 120 30			9 TROOPS	PLUS	EQUIPMENT	2310 -	89' 2" 55' 0" 1015 Sq. Ft.	NONE	"	SPEC. 128
AC-19630								4230 -				
XCG-7 BOWLUS		120 120 32			9 TROOPS	PLUS	EQUIPMENT	2870 -	85' 0" 53' 4" 696 Sq. Ft.	NONE	"	SPEC. 101
AC-20234								4800 -				
XCG-8 BOWLUS		120 120 31			15 TROOPS	PLUS	EQUIPMENT	3895 -	85' 5" 61' 0" 996 Sq. Ft.	NONE	"	SPEC. 100
AC-20234								5900 -				
XCG-9 AGA AVIATION					30 PLACE, INCLUDING PILOT AND CO-PILOT.							SPEC. G-5
AC-25554												
XCG-10 LAISTER-KAUFFMAN		200 150 50			30 TROOPS	PLUS	EQUIPMENT	7980 -	105' 0" 68' 6" 1180 Sq. Ft.	NONE	"	SPEC. 2000S
AC-27357								15980 -				

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QUARTERLY CHART  
AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 30

GLIDER, CARGO

DATE: 1 JULY 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 IN AUTO-WIND UP 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 CALIBERS OF AMM PER GUN	STATUS	REFERENCE
					MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM				
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 XCG-11 SNEAD & CG					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 CONSTRUCTION. NO SECTION EXCEEDS 24 FEET IN LENGTH; NO ARMAMENT.						
AC-27358 2 XCG-12 READ-YORK		200 185 45				30 TROOPS PLUS EQUIPMENT	9349 17631	112' 0" 70' 0" 1487 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
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 TRI-CYCLE LANDING GEAR. THE CAPACITY IS CHANGED FROM 30 PLACE TO 42 PLACE. CONFIGURATION CHANGED TO RAISE THE TAIL 18 INCHES.						SPEC. 1381
AC-24380 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-25851 1 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-1666 2 XCG-16A GATC		180 180 60				16 TROOPS PLUS EQUIPMENT	4023 8000	AS ABOVE	NONE	PROJECT COMPLETED	SPEC. 1585A
AC-1666 2 XCG-16A GATC		220 220 58				42 TROOPS PLUS EQUIPMENT	9500 19580	91' 10" 48' 4" 1200 Sq. Ft.	NONE	PROJECT COMPLETED	SPEC. M-100
AC-1666 1					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

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CARGO GLIDER & FUEL GLIDER

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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 DOWN AUTO-WINCH DOWN 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	SPEC. 102A	
AC-1104	3									COMPLETED		

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AIRPLANE CHARACTERISTICS & PERFORMANCE

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GLIDER, TRAINING

DATE: 1 JULY 1945

MODEL & MFR (NO.) ENGINE (S) CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MILITARY/ALT. TAKE-OFF/S. L. WAR EMERG. ALT.	SPEEDS		CLIMB TIME TO FT. SERV. CELL 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	
		GLIDING, DIVING PP AIRPLANE TOW AUTO-WINCH TOW STALLING SPEED				MAXIMUM DESIGN MILES	MAXIMUM DESIGN GALLONS	NONE DESIGN MAXIMUM					EMPTY POUNDS DESIGN POUNDS
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. 363-2- 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-9 BRIEGLEB 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 BOMLUS P.O. 17694 4		100 70 39					(2) PLACE		675 - 1090 -	45' 5" 24' 9" -	NONE	*	SPEC. MS-5
XTG-13 BRIEGLEB P.O. 22814 3		90 55 40					(2) PLACE		435 - 850 -	50' 4" 189 Sq. Ft.	NONE	*	SPEC. 8000

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AIRPLANE CHARACTERISTICS & 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 TO SELF POWERED STALLING SPEED	CLIMB TIME TO FT. SERV. CELL. CELL -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.-EDS. 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 6AC- 298-W3 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) 1-1-440-7	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 - -	- - 194/ 80/ -	120 80	NONE NONE	6013 - 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 - -	345/ - / - 207/ 71/ -	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-44C-1 AC-26597					SAME AS THE XPG-1 EXCEPT ENGINE CHANGE.						COMPLETED	SPEC. 1326-A 1 1025-2

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GLIDERS, ASSAULT

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 or AIRPLANE TOW STALLING	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			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	NOVE DESIGN MAXIMUM					
XAG-1 CHRISTOPHER		240					3935		59' 10"	2-.50-1000		SPEC. 1
AC-37433 2		65			EIGHT	PLACE	8000		46' 3"	2-.30-1000	COMPLETED	
XAG-2 TIMM		240					3845		59' 10"	2-.50-1000		SPEC. 248A
AC-40068 2		65			EIGHT	PLACE	8500		45' 1"	2-.30-1000	COMPLETED	

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POWER DRIVEN  
CONTROLLABLE BOMBS

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 JULY 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
XBQ-1 FLEETWINGS (2) XO-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/ -	- -	2000 -	7813 -	45' 2" 28' 10" 203 Sq. Ft.	NONE	CRASHED	SPEC. H-56
XBQ-1 FLEETWING (2) XO-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/ -	- 226	2000 -	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/ - / -	418 418 NONE	NONE NONE NONE	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%	500 500	4000 4000	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%	800 800 -	NONE NONE NONE	8038 - 14203 NONE	AS ABOVE	NONE	"	SPEC. 79000- C
XBQ-4 INTERSTATE (2) XO-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%	100 100 100	2000 2000 2000	6314 6314 6314	48' 0" 35' 8" 371 Sq. Ft.	NONE	PROJECT COMPLETED	NAVY SO-315
XBQ-4 INTERSTATE (2) XO-435-2 NAVY	AS ABOVE	152/ S L /440 58	7.0/ 5000 13000 -	950 * -	(USED IN FERRY CONDITION) 375/152/100%	100 100 -	NONE NONE NONE	4763 4763 NONE	AS ABOVE	NONE	"	AS ABOVE
XBQ-5 INTERSTATE (2) XO-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%	350 350 350	2000 2000 2000	10268 10268 10268	48' 0" 35' 8" 371 Sq. Ft.	NONE	NONE PROCURED	NAVY SO-326
XBQ-5 INTERSTATE (2) XO-805-2 NAVY	AS ABOVE	185/ S L /900 81	9.0/ 5000 11000 -	1180 * -	(USED IN FERRY CONDITION) 1180/185/100%	480 480 -	NONE NONE NONE	9797 9797 9797	AS ABOVE	NONE	"	AS ABOVE

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