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EE-306-2
EXPERIMENTAL

MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE



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1 SEPTEMBER 1944

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PREFACE SHEET

EE-306-2

MONTHLY CHART OF EXPERIMENTAL AIRPLANE CHARACTERISTICS AND PERFORMANCE

Characteristics and Performance data shown are manufacturer's guarantees as listed in the model specification except where official performance tests have been completed and thus indicated by a letter "C".

ENGINE RATINGS are given for the engine as a unit, and do not include ram which may increase the ratings under flight conditions. NORMAL RATED POWER is the maximum power permissible for continuous use and may be obtained between sea level and the normal rated altitude of the engine. Normal rated altitude is the altitude at which normal rated power is developed at normal rated speed with full throttle under standard altitude conditions. (An engine with a two speed or two-stage supercharger has two or more normal rated altitudes). MILITARY RATED POWER is a maximum power permitted for short duration only. TAKE-OFF POWER is the maximum power designated by the manufacturers for use under sea level conditions. WAR EMERGENCY POWER when applicable is indicated by the symbol "we".

SPEED: The high speed based on design gross weight is given at the critical altitude of the airplane (i.e. where best performance is obtained with the horsepower shown). CLIMB is determined with the design gross weight and using take-off and then maximum continuous power. TAKE-OFF and LANDING is based on design gross weight and made over sod runways unless otherwise specified.

RANGE-FUELS-BOMBS: These columns should be used together and take into consideration the weight shown in the WEIGHT column. RANGE is based on ideal cruising conditions, utilizing best combination of power, altitude, etc., and do not include any safety factors or allowances for warm-up, take-off, climb, navigation variations, etc. Practical ranges average 75% of the value shown or less.

ARMAMENT: Installations for design gross weight.

COMBAT PROTECTION includes Leak Proof (L.P.) Tanks, Armor and Bullet Proof (B.P.) Glass.

THIS REPORT SUPERSEDES PREVIOUS EE-306-2 PUBLICATIONS; SUPERSEDED PUBLICATIONS, IF NO LONGER OFFICIALLY REQUIRED, WILL BE DESTROYED IN THE MANNER PRESCRIBED IN PARAGRAPH 23, A.R. 380-5, DATED 28 SEPTEMBER 1942

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MONTHLY CHART

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 September 1944

MODEL & MFR. ENGINE	ENGINE RATINGS GENERAL ALT. SOL. CRIT. ALT. TAKEOFF S.L.	SPEEDS HIGH ALT./HP LANDING	CLIMB TIME TO FT. 5000 FT. CRUISE 10,000 FT. ECON. CRUISE 15,000 FT.	T.O. & LAND T.O. OVER 30 OBS. LAND OVER 30 OBS.	FUEL with BOMBS			WEIGHTS WT. EMPTY DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT CALIBER-NO. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM DESIGN (WITH MAX. BOMBS)	MAXIMUM DESIGN (WITH MAX. BOMBS)	NONE DESIGN MAXIMUM					
XB-19A (4) V-3420-11 AC-33362	GENERAL MOTORS 2100/40000 2600/40000 2600/ S.L.	285/25000/10490	- 39000	3500 7000	4290/185/-	4400	2400	92397 140230	212'0" 132'2" 4285 Sq. Ft.	6-.30-600 5-.50-200 2-37mm-50	NONE	Spec. X-85. Formerly the XB-19. Re- designated XB-19A.
XB-29 (4) R-3350-13 AC-15429	BOEING 2000/25000 2200/25000 2200/ S.L.	368/25000/8800	27/25000 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	ARMOR L.P. TANKS	Spec. D-2551-C (Pressure Cabin) D-1104 App. F
XB-32 (4) R-3350-13 AC-15549	CONSOL. 2000/25000 2200/25000 2200/ S.L.	376/25000/8800	22.6/25000 30700 16500	4000 2840	4850/250/ 45% 4454/250/ 45% 1610/250/ 45%	4974 4591 1775	NONE 2000 20000	64961 101662 101662 101662	135'0" 83'0" 1422 Sq. Ft.	14-.50-500 2-20mm-100	ARMOR L.P. TANKS	Spec. D-33- 001-C.
XB-35 (4) R-4360 AC-21820	WORTHROP 2500/40000 3000/40000 3000/ S.L.	386/35000/12000	- 39000 16000*	5730 3000	*8450/275/- *5230/275/- *2820/275/-	10023 8356	NONE 10000 51200	80977 180000 150000 180000	172'0" 51'0" 4000 Sq. Ft.	2-.50-1000 8-.50-600 8-.50-1000	ARMOR L.P. TANKS	Spec. X-9
XB-36 (6) R-4360-5 AC-22352	CONSOL. 2500/40000 3000/35000 3000/ S.L.	372/35000/18000	56/30000 34500 17500	5200 4000	11400/-/- 10000/-/- 4700/-/-	21116 19245 9450	NONE 10000 72000	128826 255000 269039 269039	250'0" 163'0" 4772 Sq. Ft.	4-37mm-100 1-37mm-300 10-.50-1000	ARMOR L.P. TANKS	Spec. D-35- 001A.
XB-39 (4) V-3420-11 AC-27331	GENERAL MOTORS 2100/40000 2600/40000 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 110297 120000	141'3" 98'2" 1739 Sq. Ft.	10-.50-500 1-20mm-60	ARMOR L.P. TANKS	Spec. X-15 Report X-90 App. 1 & 2
XB-42 (2) V-1710-103 AC-40188	DOUGLAS 1050/20000 1200/22400 1325/ S.L.	419/25700/2400	45/25000 27000 20000	6300 2650	5700/240/- 2090/238/-	1850 650	NONE 8000	18577 33335 33000	70'6" 53'8" 555 Sq. Ft.	2-.50-500 4-.50-350 (NORMAL)	ARMOR L.P. TANKS B.P. GLASS	Spec. D-5- 359.

NOTES:

AC—AIR CORPS
DA—DEFENSE AID
PO—PURCHASE ORDER

* ESTIMATE

A—ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY
B—OFFICIAL PERFORMANCE REPORT NO.
C—PRELIMINARY FLIGHT TEST

Prepared by: Technical Data Laboratory, Engineering Division

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 2

LIGHT BOMBARDMENT

DATE: 1 September 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF S.L.	SPEEDS HIGH/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.—RIS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT DESIGN GROSS WEIGHT
XA-26 DOUGLAS (2) R-2800-27 AC-17946	1600/5700 * 1600/13500 2000/ S.L.	371/17000/2920 100	10.2/20000 31300 17300	1840 2270	1977/202/ - 810/280/ 63% 141/212/ -	1000 440 800	NONE 1200 4000	21150 29370 A 26700 31880	70'0" 51'2" 540 Sq. Ft.	2-.50-400 2-.50-500 2-.50-500	ARMOR L.P. TANKS B.P. GLASS	Spec. 539
XA-26A DOUGLAS (2) R-2800-27 AC-17946	1450/13000 * 1600/13500 2000/ S.L.	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	ARMOR L.P. TANKS B.P. GLASS	Spec. 541 (LIGHT FIGHTER)
XA-26B DOUGLAS (2) R-2800-27 AC-17946	1450/13000 * 1600/13500 2000/ S.L.	359/16000/3200	- 25700 15500	1945 2192	1260/ - / - 595/ - / 63% NONE	800 440 NONE	NONE NONE NONE	20225 28855 25000 NONE	70'0" 50'1" 400 Sq. Ft.	4-.50-500 1-75mm-20	ARMOR L.P. TANKS B.P. GLASS	Spec. 542 (DESTROYER TYPE)
XA-32 BREWSTER (1) R-2800-37 AC-21434	1450/15000 * 1600/13500 2000/ S.L.	311/13200/1520 75	5.74/10000 26000 NONE	1295 1300	1600/200/ - 600/196/ - -	530 200 200	NONE NONE 5000	11819 17772 15512 19960	45'1" 40'1" 425 Sq. Ft.	6-.50-400 4-20mm-120	ARMOR L.P. TANKS B.P. GLASS	Spec. EP- 41
XA-32A BREWSTER (1) R-2800-37 AC-21434	1450/15000 * 1600/13500 2000/ S.L.	311/13200/1520 75	5.74/10000 26000 NONE	1295 1300	- / - / - 600/196/ - -	530 200 200	NONE NONE 4000	11819 17772 15512 19960	45'1" 40'1" 425 Sq. Ft.	4-37mm-30	ARMOR L.P. TANKS B.P. GLASS	Spec. EP- 41
XA-38 BEECH (2) R-3350-43 AC-33348	2100/2500 2250/14000 2300/ S.L.	370/17000/3800 97	6.4/14000 29000 17000	2500 2500	2700/172/ - 1260/170/ - 1420/168/ -	1425 620 825	NONE NONE 2000	22480 35264 29900 33965	67'4" 51'9" 626 Sq. Ft.	1-75mm-20 6-.50-500	ARMOR L.P. TANKS B.P. GLASS	Spec. 550 Rev. 7-23-43
XA-41 VULTEE (1) XR-4360-9 AC-34942	2500/5000 3000/1500 3000/ S.L.	353/15500/2400 87	4.3/10000 27000 NONE	1450 1525	3000/180/ 37% 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	ARMOR L.P. TANKS B.P. GLASS	Spec. 610-C

NOTES:

AC—AIR CORPS
DA—DEFENSE AID
PO—PURCHASE ORDER

* MILITARY RATING FOR 15 MINUTES.
** ESTIMATE
*** FLIGHT TEST - Eng-19-1629-A.

A—ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY
B—OFFICIAL PERFORMANCE REPORT NO.
C—PRELIMINARY FLIGHT TEST

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MONTHLY CHART													PAGE 3
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE													DATE: 1 September 1944
FIGHTER													
MODEL & MFR	ENG. RATINGS	SPEEDS	CLIMB	T.O. & LAND	RANGE	FUEL	BOMBS	WEIGHTS	DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE	
CONT. NO. PLANES	NORMAL ALT. WHL. CRIT. ALT. TAKE-OFF S. L.	HIGH ALT. HP. LANDING	TIME TO FT. SERV. CEIL. CEIL. -1.2 ENGS. OUT	T.O. OVER 50 OBS. LAND OVER 50 OBS.	WITH SPEEDS % POWER	WITH BOMBS	at	WT. EMPTY DESIGN GROSS WEIGHT	SPAN LENGTH WING AREA	NO. OF GUNS CALIBERS OF AMM. PER GUN	TYPE		
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM						
XP-40 Q V-1710-121	CURTISS 1500/23200 1800/ S.L.	B 422/20500/1700	B 4.8/20000 39000 NONE	- -	- -	- -	- -	8000	35'0" 45'4"	2-100-312 2-100-291	ARMOR L.P. TANKS B.P. GLASS	Doc. 47- 1729-A 4-5-44	
XP-47 J (1) R-2800-51 AC-39160	REPUBLIC 1700/30000 2100/35000 2100/ S.L. 2800/30000	492/30000/2800 92	3.3/15000 NONE	1450 2500	2661 / - / - 1224 / - / - NONE	870 270 NONE	NONE	3653 16780 12940 NONE	41'0" 33'3" 300 Sq. Ft.	4-50-267	ARMOR L.P. TANKS B.P. GLASS	Republic 505 Rev. 3 3-29-42	
XP-49 (2) X1-1430-13 AC-13476	LOCKHEED 1134/25000 1600/25000 1350/ S.L.	458/25000/3150	8.7/20000 37500	3200 3200	- 878 / - / 1950 NONE	425 200 NONE	NONE	15475 19948 18881 NONE	32'0" 40'1" 328 Sq. Ft.	2-20mm-60	ARMOR L.P. TANKS B.P. GLASS	Doc. 1349 Rev. 5-1-42 (Pressure Cabin)	
XP-51 F (1) V-1650-3 AC-37857	NORTH AMERICAN 950/29500 1110/17500 1490/13700 1400/ S.L.	466/29000/1335	4.25/20000 42500 NONE	1253 1457	2105/279 / - 652/379/750 630/371 / -	330 105 150	NONE -	5634 6390 7610 5080	37'10" 32'3" 231 Sq. Ft.	4-50-250	ARMOR L.P. TANKS B.P. GLASS	Spec. 5656 Rev. 4-17-45	
XP-51 G (1) R-145M AC-37857	NORTH AMERICAN 1175/12500 1674 / S.L.	492/25200/1665	3.85/20000 44700 NONE	1215 1580	- 510/315 / -	330 180 180	NONE -	5745 -	37'0" 32'3" 225 Sq. Ft.	4-50-250	ARMOR L.P. TANKS B.P. GLASS	Spec. 4032 1-1-44	
XP-51 J (1) V-1710-119 AC-37857	NORTH AMERICAN 1425 / - 1500 / S.L. 1900 / -	491/27400/1620	3.6/20000 43600 NONE	1098 1595	- -	- -	- -	3745 -	37'0" 22'11" 225 Sq. Ft.	4-50-250	ARMOR L.P. TANKS B.P. GLASS	NA 5121 4-25-44	
XP-54 (1) XH-2470-1 AC-15019	VULTEE 2000/25000 2300/25000 2300 / S.L.	C 403/29500/2300	17/26000 37000 NONE	3280 -	846/328/755 400/325/755 NONE	395 223 NONE	NONE	15262 19053 18233 NONE	33'10" 34'9" 456 Sq. Ft.	2-37mm-60	ARMOR L.P. TANKS B.P. GLASS	Spec. 564 (Pressure Cabin)	
XP-55 (1) V-1710-95 AC-29013	CURTISS 1000/14000 1125/19500 1275 / S.L.	419/19300/1100	7.1/20000 33400 NONE	1950 1950	1530 / - (600) 856/295 / -	210 110	NONE	5325 7711 6885 NONE	40'7" 29'0" 209 Sq. Ft.	4-50-250	ARMOR L.P. TANKS B.P. GLASS	Spec. 24-1 51 (Rev. 10" 12-24-42)	
XP-56 (1) R-2800-29 AC-15021 AC 25060	NORTHROP 1500/21500 1850/22500 2000 / S.L.	467/25000/1650	7.2/20000 -	1860 2500	662/396/755 445/396/755 NONE	314 215 NONE	NONE	6153 12143 11350 NONE	42'7" 23'7" 307 Sq. Ft.	2-20mm-60	ARMOR L.P. TANKS	Spec. 2	

NOTES:

AC—AIR CORPS

DA—DEFENSE AID

PO—PURCHASE ORDER

wb - WAR EMERGENCY

* - FLIGHT TEST

** - BASED ON 130 GRADE FUEL

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MONTHLY CHART													PAGE 4	
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE													DATE: 1 September 1944	
MODEL & M.F.	TYPE DEVELOPER	SPEEDS	CLIMB	RANGE (LBS)	ENGINE	FUEL	BOMBS	WEIGHTS	DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE	CONT. NO. PLANE	
													WT. EMPTY	DESIGN GROSS
ENGINE	NO. OF ENGINES	HIGH ALT. CR.	TIME TO CL.	MAX. ALT.	MAX. HORZ. RANGE	MAX. HORZ. RANGE	NONE	WT. EMPTY	SPAN	NO. OF GUNS	TYPE			
MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE	MAX. HORZ. RANGE
XP-58	LOCKHEED	2100/25000	430/2000/4000	15/2000	3670	2800/210/450	750	31306	70'0"	4-37mm-25	ARMOR	Spec. 1470	(2) V-3420-11,-13	
AC-15487		2500 S.L.		3810		1150/274/185	550	34574	44'3"	4-50-200	L.P. TANKS	(Pressure Cabin)		
AC-39212		3000/25000		2850		NONE	NONE	NONE	600 Sq. Ft.	1-75mm-20	B.P. GLASS	Rev. 4-1-43		
XP-60C	CHRТИSS	1550/21500	414/20350/2000	5.5/20000	1225	- / - / -	360	860	41'4"	4-50-250	ARMOR	Spec. 8509	(1) R-2800-53	
AC-28113		1650/22500		35000		0.75 hrs.	178	11936	33'11"	L.P. TANKS	(Appendix 5)			
		2000/ S.L.	89	NONE		NONE	NONE	10825	275 Sq. Ft.	4-50-250	B.P. GLASS			
XP-60E	CHRТИSS	1650/21500	405/24500/1650	5.5/15000	1285	- / - / -	340	8283	41'4"	4-50-250	ARMOR	Spec. 8509	(1) R-2800-10	
AC-28113		1650/22500		4.8/15000		0.75 hrs.	178	11578	33'11"	L.P. TANKS	(Appendix 5)			
		2000/19000	88	NONE		NONE	NONE	10200	275 Sq. Ft.	4-50-250	B.P. GLASS			
XP-61	WORTHROP	1550/21500	370/20400/3090	9/20000	1575	1466/200/331	340	21695	60'0"	4-20mm-150	ARMOR	Spec. 88	(2) R-2800-10	
AC-17442		1800/15000		33100		1200/250/335	340	28872	48'11"	L.P. TANKS	Eng. 19-1508			
		2000/ S.L.	95		2150	NONE	NONE	27576	663 Sq. Ft.	4-50-500	B.P. GLASS	A-8 108		
XP-62	CHRТИSS	2100/25000	448/27000/2250	6.8/15000	2350	1.5 hrs./2100 HP.	374	11773	53'8"	4-20mm-150	ARMOR	Spec. 8944	(1) V-3350-17	
AC-19440		2250/25000		35700		-	245	16651	39'5"	L.P. TANKS	(Pressure Cabin)			
		2300/ S.L.	85	NONE	2140	NONE	NONE	14680	420 Sq. Ft.	4-20mm-150	B.P. GLASS			
XP-67	MCDONNELL	1000/25000	448/25000/3200	17/25000	3500	2000/210/-	735	16661	55'0"	4-37mm-45	ARMOR	Spec. 3-13A	(2) V-1430-17,-19, 23	
AC-21218		1600/25000		37000		700/270/-	260	23010	42'0"	L.P. TANKS				
		1250/ S.L.	93	14500	2500	NONE	NONE	15100	414 Sq. Ft.	4-37mm-45	B.P. GLASS			
XP-72	REPUBLIC	2200/25000	450/25000/3000	3.5/15000	-	1530/315/-	370	11467	49'11"	4-50-267	ARMOR	Spec. 507	ONE R-4360-13	
AC-37879		2400/25000		42000		1300/300/-	370	17492	36'7"	L.P. TANKS	112/43 Rev.			
		3000/ S.L.		NONE		NONE	370	15313	342 Sq. Ft.	4-50-267	B.P. GLASS	6/21/44		
XP-75	FISHER BOOY	2100/17000	430/20000/2300	7/20000	1300	3850/250/-	358	11441	49'11"	4-50-200	ARMOR	Spec. 1-92	(1) V-3420-19	
AC-33962		2300/20000		37000		3010/250/-	358	17217	41'6"	Plus alter-nate	L.P. TANKS	Rev. 3-8-43		
		2600/ S.L.	82	NONE	2000	NONE	NONE	NONE	342 Sq. Ft.	4-50-235	B.P. GLASS			
XP-77	BELL	450/12000	350/8500/520	3/8500	1281	-	94	2780	27'6"	2-50-200	ARMOR	Spec. 32-	(1) XV-770-17	
AC-30864		520/8500		30250		2.3 hrs/270	86	3457	22'11"	L.P. TANKS	947-001			
		520/ S.L.	92	NONE	1757	-	56	3583	100 Sq. Ft.	2-50-200	B.P. GLASS			
		670/ S.L.				-	56	3940						
XP-82	NORTH AMERICAN	1065/23400	482/22500/3240	4.2/20000	1825	2690/315/-	930	11505	50'9"	4-50-400	ARMOR	Spec. NA-	(1) V-1650-9	
AC-2029		1720/6200		39100		1860/315/-	540	19990	36'9"	L.P. TANKS	8000, 1-15-44			
		1650/ S.L.				-	540	17208	385 Sq. Ft.	4-50-400	B.P. GLASS	NA 8145	(1) V-1650-21	
		2055/ S.L.				-	540	21268				4-29-44		

NOTES:

AC—AIR CORPS
DA—DEFENSE AID
PO—PURCHASE ORDER

we - WAR EMERGENCY

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MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 5

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DATE: 4 September 1964

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. ML. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH 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 - FUEL PER GUN AMM. PER GUN	COMBAT PROT. REFERENCE TYPE	
					MAXIMUM NORMAL (WITH CARGO)	MAXIMUM NORMAL (WITH CARGO)	NONE NORMAL MAXIMUM				WT. EMPTY WEIGHT DESIGN WEIGHT WEIGHT
XC-35 LOCKHEED (2) R-1240-48	550/ S.L.	240/20000/-	-	2000	860/190/ 50%	250	NONE	7600			
AC-8905	550/ S.L.	-	32000	1800	630/208/ 75%	250	NONE	10500		Spec. 1201	
XC-53A BOEING (2) R-1830-82					THIS AIRPLANE WILL BE A PRODUCTION C-53 AIRPLANE EQUIPPED WITH A FULL SPAN FLAP AND HEATED SURFACE ANTI-ICING EQUIPMENT.						
XC-60B LOCKHEED (2) R-820-87					THIS AIRPLANE WILL BE A PRODUCTION C-60A WITH HEATED SURFACE TYPE ANTI-ICING EQUIPMENT INSTALLED.						
AC-32184											
XC-82 FAIRCHILD (2) R-2900-51	1450/13000 2000/1500 1600/1350C 2000/ S.L.	213/13000/1500	10/10000 22100 5000	1950	4000/ 168/ - 3000/ 175/ - 1500/ 156/ -	3120 2195 1300	3248* CARGO 1250* CARGO 15000* CARGO	25000 50000 42000 50000	10610" 78'2" 1400 Sq. Ft.		Spec. 78001A 8-10-48
AC-30435											
XC-97 BOEING (4) R-3350-23	2000, 25000 2200, 25000 2200/ S.L.	332/25000/8800	45/25000 27500 14500	5130	4045/ 217/ - 2700/253/ - NONE	5785 4378 -	10920* CARGO 20022* CARGO -	70578 120000 120000	14110" 11014" 1739 Sq. Ft.		Spec. 14-233 8-10-43
AC-39428											
XC-95 BOEING (6) R-4360-5	2500/40000 3000/35000 4000/ S.L.	335/30000/18000	35/20000 30000 20000	5000	- 9250/173/ - 1700/200/ -	- 20814 5085	- 1500* CARGO 100000* CARGO	129871 265000 265000 265000	23010" 182'6" 4772 Sq. Ft.		Spec. 20-37-001
AC-34454											

NOTES:

AC-AIR CORPS

DA-DEFENSE AID

PO-PURCHASE ORDER

A-ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY

B-OFFICIAL PERFORMANCE REPORT NO.

C-PRELIMINARY FLIGHT TEST

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

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OBSERVATION, ALSON AND PHOTOGRAPHIC

DATE: 1 September 1944

MODEL & MOD. ENGINE	ENG. RATINGS NORMAL ALT. HIG. CRIC. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT. H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CRUISE ENGR. DLT.	T.O. & LAND T.O. OVER 1000 FT. LANDING 2000 FT.	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBER OF MM. PER GUN	COMBAT PROG. REFERENCE TYPE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)				WT. EMPTY WEIGHT DESIGN GROSS WEIGHT
XO-60 YO-60 (1) R-915-3 AC-21921	300/ S.L. - 330/ S.L.	127/ S.L. - 30	8/10000 19000 NONE	290 50	217/105/ 500 NONE	54 NONE	1960 - 2540	42'0" 21'5" Motor Disc. 1385 Sq. Ft.	NONE NONE	
XO-61 YO-61 (1) R-915-3 AC-21450	A.C.A. - - - 6	- - - - -	- - - - -	- - - - -	C O N T R A C T C A N C E L L E D		- - - - -	- - - - -	- - - - -	
XL-6 (1) YO-200-5 PO-14016	INTERSTATE - - 1	C 110/ S.L. - -	C 114/S.L./110 - -	C 1/950 C 18000 NONE	C 1000 -	650/105/- 325/105/- NONE	40 20 NONE	1089 1625 1625 NONE	35'6" 23'5" 174 Sq. Ft.	NONE NONE
XF-12 (4) R-4360-31 AC-2135	REPUBLIC - - 2	2500/40000 3000/40000 3000/ S.L.	475/40000/12000 - 49000 25000	3000 3000	3000/-/- 2500/-/- 4500/-/-	5550 4350 5550	65066 - -	129'2" 93'6" 1640 Sq. Ft.	NONE ARMOR L.P. TANKS	

NOTES:
AC—AIR CORPS
DA—DEFENSE AID
PO—PURCHASE ORDER

* TESTED AT GROSS WEIGHT OF 16500

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DATE: 1 September 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL./CRIT. ALT. TAKE-OFF/S.L.	SPEEDS HIGH ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—12 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. DIA. OF ANN. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
XR-1 PLATT-LEPAGE (1) R-935-21 AC-15375-	420/ S.L. 420/ S.L. 420/ S.L.	120/ S.L./-	10/11500 20500 NONE	0 0 0	- 566/100/- NONE	- 100 NONE	NONE NONE NONE	3209 4510 NONE	2x 30" Dia. 28" Dia. Rotor Disc. 1481 Sq. Ft.	NONE NONE NONE	Spec. 5-12
XR-1A PLATT-LEPAGE (1) R-985-AN-1 PO-4609	450/ S.L. 450/ S.L.	125/S.L./450 0	10/11500 19200 NONE	0 0 0	420/ 90/- NONE	100 NONE	NONE NONE	3750 4056 NONE	2x 30" Dia. 27" Dia. Rotor Disc. 1461 Sq. Ft.	NONE NONE	Spec. 4-41
XR-4A SIKORSKY XR-4B SIKORSKY (1) R-550-1 AC-29005	180/ S.L. 200/ S.L.	83/S.L./182 0	15/7300 C* 8000 NONE	0 0 0	172/145/- 80/145/- 80/145/-	30 14 14	NONE NONE ** 1-350#	2008 2615 2519 2869	38" Dia. 38" Dia. Rotor Disc. 1130 Sq. Ft.	NONE NONE	Spec. 5-22
XR-4C SIKORSKY (1) R-550-1	180/ S.L. 190/ S.L.	83/S.L./165 0	15/7300 C* 8000 NONE	0 0	- 90/ 60/ 75%	25 14	NONE	1927 2400	38" Dia. 38" Dia. Rotor Disc. 1130 Sq. Ft.	NONE	Spec. 4 C* FLIGHT TEST
XR-5 SIKORSKY (1) R-985-AN-5 AC-28946	450/ S.L. 450/ 5000	93/5000/400 0	15/10000 14400 NONE	0 0	- 372/ - / -	- 100	- -	3025 4850	48" Dia. 42" Dia. Rotor Disc. 1650 Sq. Ft.	NONE	Spec. 5-23
XR-5A SIKORSKY (1) R-985-AN-5 DA-2514					SAME AS XR-5 WITH ADDITIONAL EQUIPMENT AND MODIFICATIONS REQUESTED BY BRITISH.						
XR-6 SIKORSKY (1) O-435-7 AC-35340	225/ S.L. 225/ S.L.	95/S.L./225 0	10/10000 15000 NONE	0 0	143/100/ 65%	50 20	NONE	1990 2590	38" Dia. 38" Dia. Rotor disc. 1134 Sq. Ft.	NONE	Spec. 5-23
XR-6A SIKORSKY (1) O-405-9 AC-35340	245/ S.L. 245/ S.L.	105/S.L./245 0	10/10000 15000 NONE	0 0	125/ 80/- 430/ 80/- 100/ 75/-	20 70 20	0 0 700	1990 2625 2926 3125	38" Dia. 38" Dia. Rotor disc. 1134 Sq. Ft.	NONE	Spec. 120-23
XR-8 KELLETT (1) O-405-9 AC-40711	245/ S.L. 245/ S.L.	80/S.L./245 0	14/10000 8500 NONE	0 0	350/ - / - 120/ - / -	74 34	NONE NONE	2123 3020 2780	2x 36" Dia. 36" Dia. Rotor Disc. 1154 Sq. Ft.	NONE	Spec. 120-23
XR-9 G & A (1) XO-290-5 AC-170R	- 126/ S.L.	94/S.L./ - 0	- 12400 NONE	0 0	- 3.5 Hr./74/- 2.3 Hr./75/-	- 25 16	- NONE NONE	1024 1387 1333	28" Dia. Rotor Disc. 615 Sq. Ft.	NONE	Spec. A-744

NOTES:

AC—AIR CORPS
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* Performance for XR-4 with 165 H.P. engine and 36 ft. dia. rotor. The XR-4C same as XR-4 except for engine & rotor change.
** Bomb load carried on (28) XR-4B's.

A—ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY
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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

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DATE: 1 September 1944

MODEL & TYPE	ENGINE	WING SPAN HEIGHT WING AREA	SPEEDS HIGH ALT. HP LANDING	CLIMB TIME TO ALT. SERV. CEIL. 100-1000 RATE OUT	L.O.A. & LAND L.O. OVER LAND OVER 20' 000'	WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS (CALIBER) AMM. PER GUN	COMBAT PROG. TYPE	REFERENCE
						CARGO	FUEL with PROVISIONS	BOMBS at EMPTY WEIGHT DESIGN GROSS WEIGHT				
XCG-10A	LAISTER KRIFFMAN	NONE	180 180 60			42 TROOPS	PLUS EQUIPMENT	13000 - 25000	105'10" 67'10" 1171 Sq. Ft.	NONE	NONE	Spec. L.K. 1934
AC-27357	2											
XCG-14	CHASE	NONE	170 200 60			16 TROOPS	PLUS EQUIPMENT	3237 - 7605	71'10" 42'10" 507 Sq. Ft.	NONE	NONE	CHASE RE- PORT NO. 1 6-25-43
AC-1206	2											
XCG-15	WACO	NONE	150 150 57			15 TROOPS	PLUS EQUIPMENT	4013 - 7500	82'3" 48'10" 623 Sq. Ft.	NONE	NONE	WACO SPEC. NO. 1035
AC-25851	1											
XCG-15A	WACO	NONE	160 180 60			16 TROOPS	PLUS EQUIPMENT	4023 - 8000	AS ABOVE	NONE	NONE	WACO SPEC. NO. 1035-A
XCG-16	GENERAL AIRBORNE TRANSPORT CO.	NONE	220 220 58			42 TROOPS	PLUS EQUIPMENT	9500 - 19580	91'10" 48'10" 1200 Sq. Ft.	NONE	NONE	BATC SPEC. NO. M-100
AC-1666	2											
XCG-17	(C-47A CONVERSION)	NONE	204 255 70			42 TROOPS	PLUS EQUIPMENT	11000 - 25000	95'10" 54'6" 987 Sq. Ft.	NONE	NONE	
XFG-1	CORNELIUS		250 250 74.5			1 PILOT AND	677 GALLONS GASOLINE	3362 - 8000	54'0" 54'6" 256 Sq. Ft.	NONE	NONE	CORNELIUS REPORT 102A
AC-11004	3											

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AIRPLANE CHARACTERISTICS & PERFORMANCE

LATE September 1944

MODEL & MFR.		ENG. RATINGS	SPEEDS	CLIMB	T. O. & LAND	RANGE with	FUEL with	BOMBS at	WEIGHTS	DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE
CONT.	NO. PLANES	NORMAL/ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	HIGH/ALT./HP. LANDING	TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. OVER 30° OBS. LAND OVER 90° OBS.	MAXIMUM NORMAL (WITH TROOPS)	MAXIMUM NORMAL (WITH TROOPS)	MAXIMUM NORMAL (WITH TROOPS)	EMPTY WEIGHT DESIGN GROSS WEIGHT	SPAN LENGTH WING AREA	NO. OF ENGS. 4-12-REVS. OR AMP. FOR CLS.	TYPE	
XPG-2A	(CG-4A)	200/ S.L.	100	-	-	-	-	-	5731	30' 10"			SPEC. 1325 A
(2)	1-440-7	200/ S.L.	150	-	-	-	120	NONE	9000	30' 10"			
-	-	200/ S.L.	50	-	-	-	-	-	-	30' 10"			
XPG-2B	(CG-4A)	225/ S.L.	110	2/1000	1492	- / 80 / -	120	NONE	9000	40'			WACO RE- PORT NO. 1075.
(2)	R-755-9	245/ S.L.	150	-	-	194 / 80 / -	80	NONE	9000	40' 0"			
-	-	-	50	-	-	-	-	-	9000	40' 0"			
XPG-3	(CG-15A)	225/ S.L.	115	2/1000	1853	- / - / -	-	-	6224	30' 0"			WACO RE- PORT NO. 1075.
(2)	R-755-9	245/ S.L.	180	-	-	345 / - / -	120	NONE	9000	40' 0"			
-	-	-	58	-	-	207 / 71 / -	80	NONE	9000	40' 0"			

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

POWER DRIVEN CONTROLLABLE BOMBS

DATE: 1 September 1944

MODEL & MFR ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S.L.	SPEEDS HIGH 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 STANDARD POWER			WEIGHTS WT. EMPTY WEIGHT DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CAL.—DIA. OF AMT. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					
XBQ-1 FLEETWINGS (2) XC-405-7 AC-29834	225/17000 250/ S.L.	222/17000/450 77.5	23.1/17000 29500 24000	3480	1706/170/- -	(USED IN BOMB CONDITION) -	2000	7813	45'2" 28'10" 203 Sq. Ft.	NONE	NONE	Spec. N-56, Rev. D.
XBQ-1 FLEETWINGS (2) XC-405-7 AC-29834	225/17000 250/ S.L.	209/17000/450 77.5	18.3/17000 29500 24000	1670	- -	(USED IN FERRY CONDITION) -	NONE	6225	45'2" 28'10" 203 Sq. Ft.	NONE	NONE	AS ABOVE All Performance data is estimated.
XBQ-2A FLEETWINGS (2) R-68C-13 AC-29834	280/ S.L. 295/ S.L.	179/S.L./- -	12.9/10000 16300 -	2850	8.8 hr./188/- -	(USED IN BOMB CONDITION) -	2000	7508 8017 at T. O.	48'7" 28'0" 236 Sq. Ft.	NONE	NONE	Spec. N-57 Rev. B.
XBQ-2A FLEETWINGS (2) R-68C-13 AC-29834	280/ S.L. 295/ S.L.	175/S.L./- 74	14.0/10000 16600 -	2255	2955/-/- -	(USED IN FERRY CONDITION) -	418 418 NONE	4814 8062 8062 NONE	48'7" 28'0" 236 Sq. Ft.	NONE	NONE	Spec. N-57 Rev. B All Performance data is estimated.
XBQ-3 FAIRCHILD (2) V-77C-15 AC-32134	450/ S.L. 450/12000 520/ S.L.	220/12000/900 96	- 14000 -	4200	1500/203/ 75% -	(USED IN BOMB CONDITION) -	500 500	7686 15340 15340	52'9" 36'2" 376 Sq. Ft.	NONE	NONE	Spec. 79000- 5 Rev. C.
XBQ-3 FAIRCHILD (2) V-77C-15 AC-32134	450/ S.L. 450/12000 520/ S.L.	220/12000/900 92	- 16000 -	3500	2900/197/ 75% NONE	(USED IN FERRY CONDITION) -	800 800 NONE	8038 14203 NONE	52'9" 36'2" 376 Sq. Ft.	NONE	NONE	Spec. 79000- C Rev. C.

NOTES:

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* GROUND RUN

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