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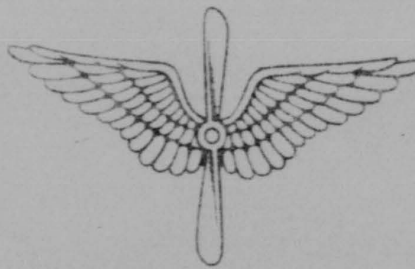
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EXPERIMENTAL

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QUARTERLY CHART  
AIRPLANE CHARACTERISTICS AND PERFORMANCE



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WRIGHT FIELD, DAYTON, OHIO.

1 October 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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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

HEAVY BOMBARDMENT

DATE: 1 October 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL. 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 90° OBS. LAND OVER 90° OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—HDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM DESIGN (WITH MAX. BOMBS)	MAXIMUM DESIGN (WITH MAX. BOMBS)	NONE DESIGN MAXIMUM					WT. EMPTY WEIGHT DESIGN GROSS WEIGHT
XB-19A GENERAL MOTORS (4) V-3420-11 AC-33352	2100/40000 2600/40000 2800/ S.L.	265/25000/10099	- 39000	3600	4240/185/ -	6400	2400	92397 140230	219'0" 137'2" 4285 Sq. Ft.	6-.30-600 5-.50-700 2-37"	NONE	Spec. X-85. Formerly the XB-19, Re- designated XB-19B.
XB-29 BOEING (4) R-3350-13 AC-15429	2000/25000 2200/25000 2200/ S.L.	368/25000/8800	27/25000 32100 9430	4191	5850/250/ 52% 4524/250/ 48% 3500/247/ 52%	7494 5155 4567	NONE 2000 20000	66121 120000 105000 120000	141'3" 98'2" 1739 Sq. Ft.	10-.50-500	ARMOR	Spec. D-2851-C (Pressure Cabin) C-3104 Spec. F
XB-32 CONSOL. (4) R-3350-13 AC-16549	2000/25000 2100/25000 2200/ S.L.	376/25000/8800	22.6/25000 30700 16500	4000	4850/250/ 45% 4454/250/ 45% 1610/250/ 45%	4974 4591 1775	NONE 2000 20000	64961 101692 101692 101662	135'0" 83'0" 1422 Sq. Ft.	14-.50-500	ARMOR	Spec. ZD-33- 001-C.
XB-35 NORTHROP (4) R-4350 AC-21920	1500/40000 3000/40000 3000/ S.L.	396/35000/12000	- 39000 16000*	5730	*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	Spec. X-5-9
XB-39 CONSOL. (6) R-4350-5 AC-27352	2500/40000 3000/35000 3000/ S.L.	372/35000/19000	56/30000 34500 17500	5200	11400/ - / - 10000/ - / - 4700/ - / -	21116 19245 9450	NONE 10000 72000	128826 265000 269039 269039	230'0" 163'0" 4772 Sq. Ft.	4-37mm-100 1-37mm-300 14-.50-1000	ARMOR	Spec. ZD-35- 001A.
XB-39 GENERAL MOTORS (4) V-3420-11 AC-27331	2100/40000 2600/40000 2800/ S.L.	388/25000/10400	26.5/25000 39000 11500	4250	*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	ARMOR	Spec. X-15 Report A-90 App. 1 & 2
XB-42 DOUGLAS (2) V-1710-103 AC-4018R	1050/20000 1200/22400 1325/ S.L.	415/25700/2400	45/25000 27000 20000	6300	5700/240/ - 2090/238/ -	1850 650	NONE 8000	18577 33335 33000	70'6" 53'8" 565 Sq. Ft.	2-.50-500 4-.50-350 (NORMAL)	ARMOR L.P. TANKS S.P. GLASS	Spec. DS- 459.

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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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

LIGHT BOMBARDMENT

DATE: 1 October 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRUISE 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 SPEEDS & POWER		FUEL with NORMAL	BOMBS wt	WEIGHTS WT. EMPTY DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBERS OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS							
XA-26 DOWGLAS (2) R-2800-27 AC-17946	1800/5700 * 1800/13500 2000/ S.L.	371/17000/2800 100	10.2/20000 31300 17000	1940 2270	1977/202/ - 216/280/ 63% 1415/212/ -	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. 538	
XA-26A DOWGLAS (2) R-2800-27 AC-17946	1450/13000 * 1800/13500 2000/ S.L.	365/17000/3200 -	10.5/20000 25900 12800	1894 2172	1430/234/ 50% 700/264/ 63% NONE	800 440 NONE	NONE NONE	20794 28893 25300 NONE	70'0" 52'5" 540 Sq. Ft.	4-20mm-150 -	ARMOR L.P. TANKS B.P. GLASS	Spec. 541 (NIGHT FIGHTER)	
XA-26B DOWGLAS (2) R-2800-27 AC-17946	1450/13000 * 1800/13500 2000/ S.L.	359/16000/3200 -	- 25700 15500	1945 2192	1280/ - / - 695/ - / 63% NONE	800 440 NONE	NONE	20225 28855 26000 NONE	70'0" 50'1" 540 Sq. Ft.	4-.50-500 -	ARMOR L.P. TANKS B.P. GLASS	Spec. 542. (DESTROYER TYPE)	
XA-32 BREWSTER (1) R-2800-37 AC-21434	1450/15000 * 1800/13500 2000/ S.L.	311/13200/1520 75	5.74/10000 26000 NONE	1295 1300	1600/200/ - 800/196/ - -	530 200 200	NONE NONE 4000	11819 17772 15512 19960	45'1" 40'1" 425 Sq. Ft.	6-.50-400 -	ARMOR L.P. TANKS B.P. GLASS	Spec. EP- 41	
XA-32A BREWSTER (1) R-2800-37 AC-21434	1450/15000 * 1800/13500 2000/ S.L.	311/13200/1520 75	5.74/10000 25000 NONE	1295 1300	- / - / - 800/196/ - -	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-39 SEECH (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/ - 1250/170/ - 1420/168/ -	1425 820 825	NONE NONE 2000	22480 35254 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 WILTEE (1) XR-4360-0 AC-34992	2500/5000 3000/1500 3000/ S.L.	358/15500/2400 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 -	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-18-1629-A.

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

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## CONFIDENTIAL AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1/October 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAK-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 50 OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM				
XP-40 Q CURTISS V-1710-121	1300/23200 1800/ S.L.	3 422/20500/1700	8 4.8/20000 39000 NONE	-	-	-	8000	35'2-4" 35'4"	2-.50-312 2-.50-231	ARMOR L.P. TANKS B.P. GLASS	Eng-47- 1728-A 4-5-44
XP-47 J REPUBLIC (1) R-2800-51 AC-39160	1700/30000 2100/35000 2100/ S.L. 2800/36000	492/30000/2800 92	3.3/15000 - NONE 2500	1450	2851/ - - 1224/ - - NONE	870 270 NONE	9833 16780 12840 NONE	41'0" 33'3" 300 Sq. Ft.	0-.50-267	ARMOR L.P. TANKS B.P. GLASS	Republic 505 Rev. B 3-29-42
XP-49 LOCKHEED (2) XI-1430-13 -15 AC-12478	3150/25000 1600/25000 1350/ S.L.	458/25000/3160	8.7/20000 37500 -	3200	- 679/ - /1950 NONE	425 300 NONE	15475 19948 18285 NONE	52'0" 40'1" 328 Sq. Ft.	2-20mm-60	ARMOR L.P. TANKS B.P. GLASS	Spec. 1585 Rev. 5-1-42 (Pressure Cabin)
XP-54 F NORTH AMERICAN (1) V-1650-3 AC-37857	950/29500 1110/17500 1490/13700 1400/ S.L.	466/29000/1335	4.25/20000 42500 NONE	1253	2105/279/ - 652/379/756 630/371/ -	330 105 180	5634 8960 7810 9060	37'0" 32'3" 235 Sq. Ft.	4-.50-250	ARMOR L.P. TANKS B.P. GLASS	Spec. 5658 Rev. 4-17-45
XP-54 G NORTH AMERICAN (1) RW1434 AC-37857	1175/12500 1674/ S.L.	492/25200/1665	3.85/20000 44700 NONE	1215	- 510/315/ - -	330 180 180	5749 - 7858 8879	37'0" 32'3" 235 Sq. Ft.	4-.50-250	ARMOR L.P. TANKS B.F. GLASS	Spec. 8032 1-1-44
XP-54 J NORTH AMERICAN (1) V-1710-119 AC-37857	1425/ - 1500/ S.L. 1900/ -	481/27400/1620	3.6/20000 43600 NONE	1098	- -	- 105 -	5749 - 7400 -	37'0" 32'11" 235 Sq. Ft.	4-.50-250	ARMOR L.P. TANKS B.P. GLASS	NA 8131 4-20-44
XP-54 VULTEE (1) XH-2470-1 AC-15019	2000/25000 2300/25000 2300/ S.L.	C 403/28500/2300	17/26000 37000 NONE	3280	846/328/756 490/328/756 NONE	395 223 NONE	15282 19063 18233 NONE	53'10" 54'9" 456 Sq. Ft.	2-37mm-60	ARMOR L.P. TANKS B.F. GLASS	Spec. 584 (Pressure Cabin)
XP-55 CURTISS (1) V-1710-95 AC-29013	1000/14000 1125/15500 1275/ S.L.	419/19800/1100 80	7.1/20000 33400 NONE	1950	1530/ - /600 866/296/ - NONE	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-Z 51 (Rev. 'D" 12-24-42)
XP-56 NORTHROP (1) R-2800-29 AC-15021 AC 25060	1500/21500 1650/22500 2000/ S.L.	467/25000/1650	7.2/20000 - NONE	1860	662/396/756 445/396/756 NONE	314 215 NONE	8599 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 ORDERwb - WAR EMERGENCY  
\* - FLIGHT TEST  
\*\* - BASED ON 130 GRADE FUELA—ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY  
B—OFFICIAL PERFORMANCE REPORT NO.  
C—PRELIMINARY FLIGHT TEST

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

FIGHTER

DATE: 1 October 1944

MODEL & MFL ENGINE	ENG. RATINGS NORMAL ALT. MFL. 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 50' 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	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT DESIGN GROSS WEIGHT								
XP-56 LOCKHEED (2) V-3420-11, -13 AC-15867 AC-39212	2100/25000 2500/25000 2500/ S.L. we 3000/28000	430/25000/0000	15/25000 38500	3600	2650/210/48 1150/274/48 NONE	1700 650 NONE	NONE	3130E 43020 38874 NONE	600 Sq. Ft.	4-37mm-25 4-.50-300 or 1-75mm-20 6-.50-300	ARMOR L.P. TANKS B.P. GLASS	Spec. 1870 (Pressure Cabin) Rev. 4-1-43				
XP-60C CURTISS (1) R-2800-55 AC-28113	1550/21500 1650/22500 2000/ S.L.	C we 414/20350/2000	C we 5.5/20000 35000 NONE	1325	- / - / - 0.75 hrs. NONE	360 178 NONE	NONE	8601 11836 10525 NONE	275 Sq. Ft.	4-.50-250	ARMOR L.P. TANKS B.P. GLASS	Spec. 8509 (Appendix 5)				
XP-60E CURTISS (1) R-2800-10 AC-28113	1550/21500 1650/22500 2000/ S.L. we 2000/19000	405/24500/1650	we 3.9/15000 4.8/15000 34800 NONE	1265	- / - / - 0.75 hrs. NONE	360 178 NONE	NONE	8283 11578 10200 NONE	275 Sq. Ft.	4-.50-250	ARMOR L.P. TANKS B.P. GLASS	Spec. 8509 (Appendix 6)				
XP-61 WORTHROP (2) R-2800-10 AC-17442	1550/21500 1800/19000 2000/ S.L.	A 370/20900/3090	A 9/20000 32100	1575	1466/200/335 1200/200/335 NONE	660 540 NONE	NONE	21695 28872 27576 NONE	663 Sq. Ft.	4-20mm-150	ARMOR L.P. TANKS B.P. GLASS	Spec. 84 Eng. 19-1805 -A 1 10m 7-15-43				
XP-62 CURTISS (1) R-3350-17 AC-19440	2100/25000 2250/25000 2300/ S.L.	448/17000/2250	6.5/15000 35700 NONE	2350	1.5 hrs/2100 HP. - NONE	384 245 NONE	NONE	11773 16651 14660 NONE	420 Sq. Ft.	4-20mm-150	ARMOR L.P. TANKS B.P. GLASS	Spec. 8343A (Pressure Cabin)				
XP-67 M-DONNELL (2) T1-1430-17, -19, 23. AC-2121R	1000/25000 1600/25000 1250/ S.L.	448/25000/3200	17/25000 37000 14500	3500	2000/210/ - 700/270/ - NONE	735 280 NONE	NONE	16661 23910 21000 NONE	414 Sq. Ft.	6-37mm-45	ARMOR L.P. TANKS B.P. GLASS	Spec. 5-23A				
XP-72 REPUBLIC ONE R-4260-13 AC-37879	2000/25000 2400/25000 3000/ S.L. we 3450/ S.L.	we 450/25000/3000	we 3.5/15000 42000 NONE	-	1530/316/- 1300/300/- -	670 370 370	NONE NONE 2000	11467 17492 15313 17313	342 Sq. Ft.	8-.50-267	ARMOR L.P. TANKS B.P. GLASS	SPEC. 507 1/2/43 REV. 6/21/44				
XP-75 FISHER BODY (1) V-3420-19 AC-33962	2100/17000 2300/20000 2500/ S.L. we 3000/ S.L.	430/20000/2300	7/20000 37000 NONE	1300	3850/250/ - 3010/250/ - NONE	858 638 NONE	NONE	11441 18665 17217 NONE	342 Sq. Ft.	4-.50-300 Plus alter- mate 6-.50-235 Wing Guns	ARMOR L.P. TANKS B.P. GLASS	Spec. X-92 Rev. 3-5-43				
XP-77 BELL (1) XV-770-17 AC-30884	450/12000 520/ 8500 520/ S.L. we 670/ S.L.	350/8500/520	3/8500 30250 NONE	1281	- 2.3 hrs/270 -	94 56 56	NONE NONE 325	276 C 3857 3583 3940	100 Sq. Ft.	2-.50-200	ARMOR L.P. TANKS B.P. GLASS	Spec. 32- 947-001				
XP-82 NORTH AMERICAN (1) V-1650-9 (1) V-1650-21 AC-2029	1065/23400 1720/ 6200 1650/ S.L. 2055/ S.L.	we 482/22500/3240	we 4.2/20000 39100	1825	2690/315/ - 1860/315/ - -	930 540 540	- 4000	11505 19990 17208 21208	385 Sq. Ft.	8-.50-400	ARMOR L.P. TANKS B.P. GLASS	Spec. NA- 803C, 1-15-44 NA 8145 4-24-44				

NOTES:

we - WAR EMERGENCY  
AC—AIR CORPS  
DA—DEFENSE AID  
PO—PURCHASE ORDER

A—ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY  
B—OFFICIAL PERFORMANCE REPORT NO.  
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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

CARGO

DATE 1 October 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT ML./CRIT ALT TAKE-OFF S.L.	SPEEDS HIGH ALT./HT LANDING	CLIMB TIME TO FT. SERV. CEIL. CEL.—1.1 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	COMBAT PROT. REFERENCE TYPE		
					MAXIMUM NORMAL (WITH CARGO)	MAXIMUM NORMAL (WITH CARGO)	NONE NORMAL MAXIMUM				WT. EMPTY WEIGHT DESIGN GROSS WEIGHT	
XC-36 LOCKHEED (2) R-1340-43	550/ S.L.	240/20000/-	-	2000	860/190/ 50%	250	NONE	7600 10500 10500 NONE	55'0" 39'8" 460 Sq. Ft.	NONE	NONE	Spec. 1201
AC-8805	550/ S.L.	-	-	1800	630/208/ 75%	NONE	NONE	NONE				
XC-53A DOUGLAS (2) R-1820-82					THIS AIRPLANE WILL BE A PRODUCTION C-53 AIRPLANE EQUIPPED WITH A FULL SPAN FLAP AND HEATED SURFACE				ANTI-ICING EQUIPMENT.			
XC-80B LOCKHEED (2) R-1820-87					THIS AIRPLANE WILL BE A PRODUCTION C-80A WITH HEATED SURFACE TYPE ANTI-ICING EQUIPMENT INSTALLED.							
AC-37 54												
XC-82 FAIRCHILD (2) R-2800-51	1450/13000 2000/1500 1800/13500 2000/ S.L.	213/13000/2900	10/10000 22100 5000	1950	4000/ 168/ - 3000/ 175/ - 1500/ 156/ -	3120 2185 1300	3248* CARGO 1250* CARGO 15000* CARGO	25000 50000 42000 50000	106'0" 76'2" 1400 Sq. Ft.	NONE	NONE	Spec. 780014 11/20/43
AC-30435												
XC-97 BOEING (4) R-3350-23	2000/25000 2200/25000 2200/ S.L.	332/25000/8800	45/25000 27800 14400	6130	4045/217/ - 2700/253/ - NONE	5785 4378 -	10920* CARGO 20022* CARGO -	70578 120000 120000 -	141'3" 110'4" 1739 Sq. Ft.	NONE	NONE	Spec. D-4233 8-18-43
AC-34438			(3 engines)									
XC-99 COWSI. (6) R-4360-5	2500/40000 3000/35000 3000/ S.L.	335/30000/18000	38/20000 30000 20000	5000	- 9250/173/ - 1700/200/ -	- 20814 5085	- 1500* CARGO 100000* CARGO	129671 265000 265000 265000	230'0" 182'6" 4772 Sq. Ft.	NONE	NONE	Spec. 21-37- 001.
AC-34454			(5 engines)	4900								

## 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**

OBSERVATION, LIAISON, AND PHOTOGRAPHIC

DATE: 1 October 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL. 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 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at			WEIGHTS WT. EMPTY WEIGHT DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-DIS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH ANX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					
XO-80 YO-80 (1) R-915-3 AC-21921 7	KELLETT 300/ S.L. 330/ S.L.	127/ S.L./- 30	8/10000 19000 NONE	250 50	- 217/103/ 80% NONE	- 34 NONE	NONE NONE NONE	1960 - 2640	42'0" 21'5" Rotor Disc. 1385 Sq. Ft.	NONE	NONE	Spec. 1202E.
XO-81 YO-81 (1) R-915-3 AC-21450 8	A.G.A. -	-	-	-	C O N T R A C T			C A N C E L L E D			-	-
XL-8 (1) XO-200-5 PO-14016 1	INTERSTATE 110/ S.L.	C 114/S.L./110	C 1/950 C 18000 NONE	C 1000	850/105/ - 325/105/ - NONE	40 20 NONE	NONE	1089 1625 1625 NONE	35'6" 23'5" 174 Sq. Ft.	NONE	NONE	Spec. 43A C PS-M-19- 1518-A.
XF-12 (4) R-4360-31 AC-2135 2	REPUBLIC 2500/40000 3000/40000 3000/ S.L.	475/40000/13000	- 49000 25000	3000 3000	3000/ - / - 2500/ - / - 4500/ - / -	5550 4350 5550	NONE	65066 - -	129'2" 93'6" 1640 Sq. Ft.	NONE	A/MOR L.P. TANKS	Spec. 524 Rev. A

NOTES: \* TESTED AT GROSS WEIGHT OF 1650#

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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## CONFIDENTIAL AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 October 1944.

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL. 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 OF OBS. LAND OVER 50' OBS.	RANGE with SPEEDS & POWER			FUEL with BOMBS at		WEIGHTS WT. EMPTY WEIGHT DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	COMBAT PROT. REFERENCE TYPE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM	WT. NORMAL MAXIMUM					
XR-1 PLATT-LEPAGE (1) R-935-21 AC-15375 1	420/ S.L. 420/ S.L. 420/ S.L.	120/ S.L./- 0	10/11500 20500 NONE	0 0	566/100/- NONE	- NONE	100 NONE	NONE	3309 4510 NONE	2x 30'6" Dia. 28'6" Rotor Discs. 1461 Sq. Ft.	NONE	Spec. R-15 NONE	
XR-1A PLATT-LEPAGE (1) R-985-AN-1 PO-4609 1	450/ S.L. 450/ S.L.	125/ S.L./450 0	10/11500 19200 NONE	0 0	420/ 90/- NONE	- NONE	100 NONE	NONE	3753 4056 NONE	2x 30'6" Dia. 27'10" Rotor Discs. 1461 Sq. Ft.	NONE	Spec. R-41 NONE	
XR-4A SIKORSKY YR-4B (1) R-550-1 AC-29005 29	180/ S.L. 200/ S.L.	88/ S.L./182 0	16/7300- C* 8000 NONE	0 0	172/145/- 80/145/- 80/145/-	- 14 14	30 14 14	NONE ** 1-350*	2008 2615 2519 2889	38'0" Dia. 35'5" Rotor Disc. 1130 Sq. Ft.	NONE	Spec. 5922 NONE	
XR-4C SIKORSKY (1) R-550-1 1	180/ S.L. 180/ S.L.	C* 83/ S.L./165 0	16/7300 C* 8000 NONE	0 0	- 90/ 80/ 75%	- 14	25 14	NONE	1927 2400	38'0" Dia. 38'3" Rotor Disc. 1130 Sq. Ft.	NONE	Spec. - C* FLIGHT TEST	
XR-5 SIKORSKY (1) R-985-AN-5 AC-29845 4	450/ S.L. 450/ 5000	93/5000/400 0	15/10000 14400 NONE	0 0	- 372/ - / -	- 100	- -	-	3625 4850	48'0" Dia. 41'10" Rotor Disc. 1660 Sq. Ft.	NONE	Spec. 5930 NONE	
XR-5A SIKORSKY (1) R-985-AN-5 DA-2514 2					SAME AS XR-5 WITH ADDITIONAL EQUIPMENT AND MODIFICATIONS REQUESTED BY BRITISH.								
XR-6 SIKORSKY (1) O-435-7 AC-35340 1	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	38'0" Dia. 38'3" Rotor disc. 1134 Sq. Ft.	NONE	Spec. 5923 NONE	
XR-6A SIKORSKY (1) O-405-9 AC-35340 4	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	0 700	-	1990 2625 2925 3125	38'0" Dia. 38'3" Rotor disc. 1134 Sq. Ft.	NONE	Spec. 120.23 NONE	
XR-8 KELLETT (1) O-405-9 AC-40711 2	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 36'0" Dia. 36'0" Rotor Disc. 1164 Sq. Ft.	NONE	Spec. 120.23 NONE	
XR-9 G & A (1) XO-290-5 AC-1708 2	- 126/ S.L.	94/ S.L./ - 0	- 12400 NONE	0 0	- 3.5 Hr./74/- 2.3 Hr./75/-	- 25 16	- NONE NONE	-	1022 1387 1333	28'0" Dia. Rotor Disc. 615 Sq. Ft.	NONE	Spec. Au-74A. NONE	

## NOTES:

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

\* Performance for XR-4 with 155 H.P. engine and 38 ft. dia. rotor. The XR-4C same as XR-4 except for engine & rotor change.  
\*\* Bomb load carried on (26) XR-4B's.

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**CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE**

CARGO AND FUEL GLIDERS

DATE: 1 October 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./M.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 EMPTY DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					CARGO	PROVISIONS	WEIGHTS					
XCG-10A LAISTER KAUFFMAN	NONE	180 180 60					13000	105'0" 67'0" 1171 Sq. Ft.	NONE	NONE	Spec. L.X.- 1105.	
AC-27357 2					42 TROOPS	PLUS EQUIPMENT	25000					
XCG-14 CHASE	NONE	170 200 60					3237	71'10" 42'10" 507 Sq. Ft.	NONE	NONE	CHASE RE- PORT NO. 1 8-25-43	
AC-1206 2					16 TROOPS	PLUS EQUIPMENT	7605					
XCG-15 WACO	NONE	150 150 57					4023	62'3" 48'10" 523 Sq. Ft.	NONE	NONE	WACO SPEC. NO. 1535.	
AC-25851 1					15 TROOPS	PLUS EQUIPMENT	7500					
XCG-15A WACO	NONE	180 180 60					4023	45	NONE	NONE	WACO SPEC. NO. 1535-A	
XCG-18 GENERAL AIRBORNE TRANSPORT CO.	NONE	220 220 58					9500	91'10" 48'4" 1200 Sq. Ft.	NONE	NONE	GATC SPEC. NO. M-100	
AC-1666 2					42 TROOPS	PLUS EQUIPMENT	19580					
XCG-17 (C-47A CONVERSION)	NONE	204 255 70					11000	95'0" 64'6" 587 Sq. Ft.	NONE	NONE	C-47	
XFG-1 CORNELIUS		250 250 74.5					3362	54'10" 64'6" 356 Sq. Ft.	NONE	NONE	CORNELIUS REPORT 1024	
AC-11004 3					1 PILOT AND	677 GALLONS GASOLINE	8000					

NOTES:

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DA—DEFENSE AID  
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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

POWER GLIDERS

DATE 1 October 1944

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 59 OBS. LAND OVER 30 OBS.	RANGE with FUEL with BOMBS at WEIGHTS SPEEDS & POWER			EMPTY WEIGHT DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	COMBAT PROT. REFERENCE TYPE	
					MAXIMUM NORMAL (WITH TROOPS)	MAXIMUM NORMAL (WITH TROOPS)	MAXIMUM NORMAL (WITH TROOPS)					
XPG-2A (CG-4A) (2) 1-440-7	200/ S.L. 200/ S.L. 200/ S.L.	100 150 50	- - -	- - -	-	120	NONE	6731 - 9000	83'8" 48'4" 852 Sq. Ft.	NONE	NONE	SPEC. 1326 A
XPG-2B (CG-4A) (2) R-755-9	225/ S.L. 245/ S.L.	110 150 50	2/1000 - -	1492 - -	- / 80 / - 194 / 80 / -	120 80	NONE	6013 9000 9000	45 ABOVE	NONE	NONE	WACO RE- PORT NO. 1573.
XPG-3 (XCG-15A) (2) R-755-9	225/ S.L. 245/ S.L.	115 150 58	2/1000 - -	1853 - -	345 / - / - 207 / 71 / -	120 80	NONE	6224 - 9000 9000	70' 5" 48' 10" 683 Sq. Ft.	NONE	NONE	WACO RE- PORT NO. 1575.

## NOTES:

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

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

POWER DRIVEN CONTROLLABLE BOMBS

DATE 1 October 1944

MODEL & MFR ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./HP. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-12 ENGR. 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.-DIA. OF AMM. PER GUN	COMBAT PROT. REFERENCE TYPE	
					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 -	(USED IN BOMB CONDITION) 1708/170/ -	- -	2000 -	7813 -	45'2" 28'10" 203 Sq. Ft.	NONE NONE	Spec. W-56 Rev. D.
XBQ-1 FLEETWINGS (2) XC-405-7 AC-29834	225/17000 250/ S.L.	208/17000/450 77.5	18.3/17000 29500 24000	1670 -	(USED IN BOMB CONDITION) -	- -	NONE -	5225 -	45'2" 28'10" 203 Sq. Ft.	NONE NONE	AS ABOVE All Performance 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 -	(USED IN BOMB CONDITION) 8.8 hr./188/-	- -	2000 -	4130 7606 8017 at T. O.	48'7" 28'0" 236 Sq. Ft.	NONE NONE	Spec. W-57 Rev. B.
XBQ-2A FLEETWINGS (2) R-68C-13 AC-29834	280/ S.L. 295/ S.L.	179/S.L./- 74	4.0/10000 16600 -	2295 -	(USED IN BOMB CONDITION) 2955/ - / -	418 418 NONE	NONE -	4814 8062 8062 NONE	48'7" 28'0" 236 Sq. Ft.	NONE NONE	Spec. W-57 Rev. B All Performance 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 -	(USED IN BOMB CONDITION) 1500/203/ 75%	- -	4000 4000	7686 15340 15340	52'9" 36'2" 376 Sq. Ft.	NONE NONE	Spec. 79000- D Rev. A.
XBQ-3 FAIRCHILD (2) V-77C-15 AC-32134	450/ S.L. 450/12000 520/ S.L.	220/12000/900 92	- 18000 -	3500 -	(USED IN BOMB CONDITION) 2900/197/ 75%	800 800 NONE	NONE -	8038 14203 NONE	52'9" 36'2" 376 Sq. Ft.	NONE NONE	Spec. 79000- C Rev. A.

NOTES:

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

\* GROUND RUN

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