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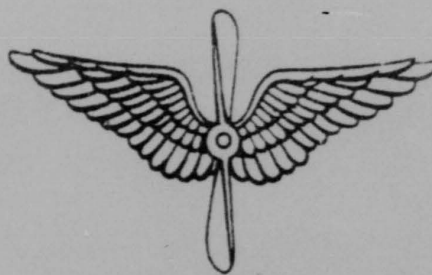
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**MONTHLY CHART  
AIRPLANE CHARACTERISTICS & PERFORMANCE**



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1 AUGUST 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  
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 1

HEAVY BOMBARDMENT

DATE: 1 AUGUST 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./R.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER OF OBS. LAND OVER OF OBS.	RANGE with SPEEDS & POWER		FUEL with DESIGN		BOMBS at DESIGN		WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. 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 Four V-3420-11 AC-33352 1	2100/40000 2500/40000 2500/ S.L.	255/25000/ 10400	- 39000	3600 2000	- 4240/185/-	- 5400	- 2400	92597 140250	212'0" 132'2" 4285 Sq. Ft.	6-.50-600 5-.50-200 2-37MM-50	NONE	SPEC. X-85, FORMERLY THE XB-19, RE- DESIGNATED XB-19A.				
XB-29 BOEING Four R-3350-13 AC-15422 3	2000/25000 2200/25000 2200/ S.L.	358/25000/ 8800	27/25000 32100 9480	4191 4191	5850/250/ 52% 4524/250/ 48% 3500/247/ 52%	* 7494 5155 4587	NONE 2000 20000	55121 120000 105000 120000	141'3" 98'2" 1739 Sq. Ft.	10-.50-500 1-20MM-50	ARMOR L.P. TANKS	SPEC. D-2551-C (PRESSURE CABIN) D-3104 APP. F				
XB-32 CONSOL. Four R-3350-13 AC-15549 3	2000/25000 2200/25000 2200/ S.L.	375/25000/ 8800	22.6/25000 30700 15500	4000 2840	4850/250/ 45% 4454/250/ 45% 1610/250/ 45%	4974 4591 1775	NONE 2000 20000	54951 101552 101552 101552	135'0" 81'0" 1422 Sq. Ft.	14-.50-500 2-20MM-100	ARMOR L.P. TANKS	SPEC. D-2551-C 001-C.				
XB-35 NORTHROP Four R-4350 AC-21920 2	2500/40000 3000/40000 3000/ S.L.	386/35000/ 12000	- 39000 15000*	5730 3000	*8450/275/- *5230/275/- *2820/275/-	10023 8355 -	NONE 10000 51200	80977 180000 155000 180000	172'0" 51'0" 4000 Sq. Ft.	4-.50-1000 8-.50-600 8-.50-1000	ARMOR L.P. TANKS	SPEC. NS-9				
XB-36 CONSOL. Six R-4350-5 AC-22352 2	2500/40000 3000/35000 3000/ S.L.	372/35000/ 18000	56/30000 34500 17500	5200 4000	11400/-/- 10000/-/- 4700/-/-	21116 15245 9450	NONE 10000 72000	128825 265000 209039 269039	230'0" 163'0" 4772 Sq. Ft.	4-37MM-100 1-37MM-300 10-.50-1000	ARMOR L.P. TANKS	SPEC. D-2551-C 001A.				
XB-39 GENERAL MOTORS Four V-3420-11 AC-27331 1	2100/40000 2500/40000 2500/ S.L.	389/25000/ 10400	25.5/25000 39000 11500	4250 3350	*5700/253/- *4800/250/- *3100/253/-	5857 5174 3787	NONE 2000 20000	71177 120000 110297 120000	141'3" 98'2" 1739 Sq. Ft.	10-.50-500 1-20MM-50	ARMOR L.P. TANKS	SPEC. X-15 REPORT A-90 APP. 1 & 2				
XB-40 VEGA Four R-1820-55 AC-32718 1																FOR REFERENCE DATA SEE CHART DATED 1 DEC. 1943
XB-41 CONSOL. Four R-1820-43 AC- 1																AS ABOVE
XB-42 DOUGLAS Two V-1710-103 AC-40188 2	1050/20000 1200/22400 1325/ S.L.	419/20700/ 7400	45/25000 27000 20000	5300 2550	5700/240/- 2090/238/-	1850 550	0 8000	18577 33335 34000	70'6" 53'8" 355 Sq. Ft.	2-.50-500 4-.50-350 (NORMAL)	ARMOR L.P. TANKS B.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

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## MONTHLY CHART

PAGE 2

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

LIGHT BOMBARDMENT

DATE: 1 AUGUST 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.-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.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL [WITH MAX. BOMBS]	NONE NORMAL MAXIMUM	FT. EMPTY WEIGHT DESIGN GROSS WEIGHT	FT. EMPTY WEIGHT DESIGN GROSS WEIGHT								
XA-26 DOUGLAS Two R-2800-27 AC-17946 1	1500/17000 * 1600/13500 2000/ S.L.	371/17000/ 2920 100	10.2/20000 31500 17000	1840 2270	1977/202/ - 810/260/ 55% 1415/212/ -	1000 440 800	NONE 1200 4000	21150 29370 A 25700 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 Two R-2800-27 AC-17946 1	1450/13000 * 1600/13500 2000/ S.L.	355/17000/ 3200 -	10.5/20000 25500 10600	1894 2172	**1420/234/ 50% * 700/264/ 55% NONE	800 440 NONE	NONE	20734 28853 25300 NONE	70'0" 52'5" 540 Sq. Ft.	4-20MM-150 4-.50-700	ARMOR L.P. TANKS B.P. GLASS	Spec. 541 (NIGHT FIGHTER)					
XA-26B DOUGLAS Two R-2800-27 AC-17946 1	1450/13000 * 1600/13500 2000/ S.L.	359/16000/ 3200 -	- 25700 15500	1945 2192	1260/ - / - 695/ - / 55% NONE	600 440 NONE	NONE	25225 28855 25000 NONE	70'0" 50'1" 540 Sq. Ft.	4-.50-500 1-75MM-20	ARMOR L.P. TANKS B.P. GLASS	Spec. 542, (DESTROYER TYPE)					
XA-32 BREWSTER One R-2800-27 AC-21434 1	1450/15000 * 1600/13500 2000/ S.L.	311/13200/ 1520 75	5.74/10000 26000 NONE	1295 1300	1600/200/ - 600/195/ - -	530 200 200	NONE NONE 4000	11819 17772 15512 19950	45'11" 40'11" 425 Sq. Ft.	6-.50-400 4-20MM-120	ARMOR L.P. TANKS B.P. GLASS	Spec. EP- 4E					
XA-32A BREWSTER One R-2800-27 AC-21434 1	1450/15000 * 1600/13500 2000/ S.L.	311/13200/ 1520 75	5.74/10000 25000 NONE	1295 1300	- / - / - 600/195/ - -	530 200 200	NONE NONE 4000	11819 17772 15512 19950	45'11" 40'11" 425 Sq. Ft.	4-37MM-30	ARMOR L.P. TANKS B.P. GLASS	Spec. EP- 4E					
XA-38 BEECH Two R-3350-43 AC-33348 2	2100/2500 2250/14000 2300/ S.L.	370/17000/ 3800 97	5.4/14000 23000 17000	2500 2500	2700/172/ - 1250/170/ - 1420/168/ -	1425 620 825	NONE NONE 2000	22480 35254 29900 35955	67'4" 51'9" 625 Sq. Ft.	1-75MM-20 6-.50-500	ARMOR L.P. TANKS B.P. GLASS	Spec. 550 REV. T-23-43					
XA-41 VULTEE One XR-4350-9 AC-34542 2	2500/5000 3000/1500 3000/ S.L.	355/15500/ 2400 87	4.3/10000 27000 NONE	1450 1925	3000/180/ 37% 800/270/ - -	1140 350 445	NONE 1059 3200	14470 23052 18800 23359	54'0" 46'8" 540 Sq. Ft.	4-.50-400 2-37MM-30	ARMOR L.P. TANKS B.P. GLASS	Spec. 610-C					
XA-42 DOUGLAS (REDESIGNATED XB-42) SEE PAGE 1.																	

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

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## AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

DATE: 1 AUGUST 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-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 GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RPM. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS					
XP-40 Q CURTISS V-1710-121 AC-1800/1 WE 1800/5 L	1500/24200 2000/15000 2300/5 L	B 422/20500/ 1700	B 4.8/20000 39000 NONE	- -	- -	- -	3000	55' 2-1/2" 55' 4"	2-50-110 2-50-220	ARMOR L.P. TANKS S.P. GLASS	Spec. 47- 1728-4 4-3-44
XP-47 J REPUBLIC One P-1800-61 AC-3510/1	1700/30000 2000/15000 2300/5 L WE 2910/40000	490/20500/ 2800	WE 3.5/15000 - NONE	1450 2500	2551/ - 1224/ -	870 270	2855 10760 12860 NONE	41' 0" 39' 3" 300 Sq. Ft.	2-50-220	ARMOR L.P. TANKS S.P. GLASS	REPUBLIC 405 REV. 5 5/29/44
XP-49 LOCKHEED Two X-1430-12, -13 AC-12475	1170/25000 2500/20000 3350/5 L	456/20700/ 2150	WE 6.7/20000 37500 -	1700 3200	- 673/ -/125"	420 350	15475 19348 18880 7000	52' 0" 40' 3" 328 Sq. Ft.	2-50-220 4-50-100	ARMOR L.P. TANKS S.P. GLASS	Spec. 1588 REV. 5-1-43 (PRESSURE LOAD)
XP-51 F NORTH AMERICAN One V-1710-7 AC-37430	1400/20000 1110/17400 1400/17000 2400/5 L	465/20000/ 1700	WE 4.25/20000 42500 NONE	1255 1457	2105/279" 550/279/205 750/271"	220 105 180	5554 8980 7010 9550	37' 0" 32' 8" 235 Sq. Ft.	2-50-220	ARMOR L.P. TANKS S.P. GLASS	Spec. 3895 REV. 4-17-45
XP-51 G NORTH AMERICAN One PV-143M AC-37430	1170/20000 1650 1075/5 L	490/20000/ 1650	WE 3.85/20000 44700 NONE	1215 1580	- 510/315"	330 180 180	5140 7858 5873	37' 0" 32' 3" 225 Sq. Ft.	4-50-250	ARMOR L.P. TANKS S.P. GLASS	Spec. 3010 1-1-44
XP-51 J NORTH AMERICAN One V-1710-123 AC-37327	1420/ - 1780/5 L WE 1800/ -	490/27400/ 1520	WE 3.4/20000 44000 NONE	1098 1735	- -	- 100	944 7400	37' 0" 32' 11" 215 Sq. Ft.	4-50-250	ARMOR L.P. TANKS S.P. GLASS	NA. 8051 4-20-44
XP-54 VULTUR One XP-2470-1 AC-15019	1000/15000 1400/15000 1400/5 L	405/24500/ 2300	WE 17/25000 37000 NONE	3200	645/328/755 490/328/755	330 225	13283 12078 15071 NONE	53' 10" 54' 5" 475 Sq. Ft.	2-37MM-50 2-50-250	ARMOR L.P. TANKS S.P. GLASS	Spec. 384 (PRESSURE LOAD)
XP-55 CURTISS One V-1710-95 AC-29013	1300/14000 1100/10500 1075/5 L	470/20000/ 1100	WE 3.1/20000 33400 NONE	1910 1950	1580/ -/1000 855/295"	210 110	8554 771 8880 NONE	41' 0" 37' 0" 209 Sq. Ft.	4-50-250	ARMOR L.P. TANKS S.P. GLASS	Spec. 24-2 REV. 1-31 (REV. 4-30 12-24-44)
XP-56 NORTHROP One X-2800-29 AL-17021 AC-25050	1500/23500 1650/23500 2000/5 L	467/20000/ 1800	WE 3.2/20000 - NONE	1860 2500	652/351/755 445/351/755	314 207	8535 12144 11250 NONE	42' 0" 34' 0" 307 Sq. Ft.	2-20MM-60 4-50-250	ARMOR L.P. TANKS	Spec. 3

## NOTES:

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

WE - WAR EMERGENCY  
\* - FLIGHT TEST  
\*\* - BASED ON 100-GRADE FUEL

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

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MONTHLY CHART  
**CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE**

DATE: 1 AUGUST 1944

MODEL & MFR ENGINE	ENG. RATINGS NO. CYL. ALT. TAKOFF S. L.	SPEEDS HIGH ALT. HP LANDING	CLIMB TIME TO FT SERV. CEIL. 75% L/D 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 -13.2 MIL. OR ARM. FOR GUN	COMBAT PROF. TYPE	REFERENCE
					MAXIMUM NORMAL ALT. HRS. BOMBSTAY (H. MAX. BOMBS)	MAXIMUM NORMAL HRS. BOMBS	NO. OF NORMAL WEIGHT SECTION CROSS WEIGHT				
XP-58 Two V-1430-11, -12 AC-19867 AC-19214	2100/25000 2000/25000 2500/ S L 3000/28000	440/20000/1500 — — —	15/25000 38000 — —	2500 3500	2500/2100/485 1150/1974/484 NONE	1700 850 NONE	NONE NONE NONE	31500 48000 48874 NONE	70' 0" 48' 3" 650 SQ. FT. 5-50-300	4-27MM-20 4-50-300 L.P. TANKS S.P. GLASS	SPEC. 187 SPEC. 187 SPEC. 187 SPEC. 187
XP-600 One R-2800-18 AC-28113	1550/21500 1550/20500 2000/ S L	414/20450/2000 85	5.0/20000 25000 NONE	1500 —	— / — / — 2.75 HRS. NONE	350 178 NONE	NONE NONE NONE	8011 11400 30500 NONE	41' 4" 25' 11" 275 SQ. FT.	ARMOR L.P. TANKS S.P. GLASS	SPEC. 8500 SPEC. 8500 SPEC. 8500
XP-60E One R-2800-10 AC-28113	1550/21500 1550/20500 2000/ S L	400/24500/1850 88	5.0/20000 4.8/20000 24000	1250 —	— / — / — 0.75 HRS. NONE	350 178 NONE	NONE NONE NONE	8284 11400 30500 NONE	41' 4" 25' 11" 275 SQ. FT.	ARMOR L.P. TANKS S.P. GLASS	SPEC. 8500 SPEC. 8500 SPEC. 8500
XP-61 Two R-2800-10 AC-27442	1550/21500 1500/18000 2000/ S L	370/20900/1090 95	5/20000 35700 —	1075 2150	1400/200/344 1000/200/344 NONE	350 340 NONE	NONE NONE NONE	21595 28872 27078 NONE	65' 0" 48' 11" 665 SQ. FT.	4-20MM-150 L.P. TANKS S.P. GLASS	SPEC. 84 SPEC. 23-1075 SPEC. 107 SPEC. 107
XP-62 One R-3350-17 AC-23840	2100/25000 2000/25000 2500/ S L	448/20000/2050 85	6.0/15000 35700 NONE	2350 2140	1.5 HRS/2100 HP — NONE	384 245 NONE	NONE NONE NONE	11773 16551 14000 NONE	54' 0" 52' 0" 420 SQ. FT.	ARMOR L.P. TANKS S.P. GLASS	SPEC. 8543 SPEC. 8543 SPEC. 8543 SPEC. 8543
XP-67 Two XP-1430-17, -18, -21 AC-21219	1000/25000 1000/25000 1000/ S L	448/20000/3200 93	17/25000 37000 14500	3500 2500	3000/210/— 700/200/— NONE	735 280 NONE	NONE NONE NONE	10561 23510 23000 NONE	55' 0" 42' 0" 414 SQ. FT.	ARMOR L.P. TANKS S.P. GLASS	SPEC. 5-254 SPEC. 5-254 SPEC. 5-254 SPEC. 5-254
XP-72 One D-4350-13 AC-27879	1500/25000 2000/25000 3000/ S L	500/20000/3000 — —	5.5/15000 — NONE	— —	— / — / — .67 HRS/2200 HP NONE	320 200 NONE	NONE NONE NONE	10773 15170 14450 NONE	41' 0" 50' 7" 400 SQ. FT.	ARMOR L.P. TANKS S.P. GLASS	SPEC. 507 REV. LETTER XP-70-43-50 (10-10-43)
XP-75 One V-3420-19 AC-33052	2100/17000 2300/20000 2500/ S L	450/20000/2300 82	7/20000 37000 NONE	1500 2000	3800/250/— 3010/250/— NONE	858 838 NONE	NONE NONE NONE	11441 18665 27217 NONE	49' 1" 41' 5" 342 SQ. FT.	4-30-300 PLUS ALTER- NATE L.P. TANKS S.P. GLASS	SPEC. 3-22 REV. 3-8-43
XP-77 One XV-770-17 AC-30854	450/12000 520/8500 500/ S L	450/8500/520 92	3/8500 30250 NONE	1081 1797	— / — / — 3.7 HRS/270 —	94 55 50	NONE NONE 320	2750 3857 3583 3340	27' 5" 22' 11" 100 SQ. FT.	ARMOR L.P. TANKS S.P. GLASS	SPEC. 32- 347-001
XP-82 One V-1650-2 One V-1650-21 AC-2029	1055/23400 1700/4200 1550/ S L	482/22500/3240 — —	4.2/20000 — —	1825 —	2450/315/— 1860/315/— —	370 340 4000	— — 4000	11595 13990 17208 21008	50' 3" 35' 9" 585 SQ. FT.	ARMOR L.P. TANKS S.P. GLASS	SPEC. 84- 8030, 1-15- NA-8140 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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Prepared by: Technical Data Laboratory, Engineering Division

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MONTHLY CHART  
**CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE**

PAGE 1

DATE: 1 AUGUST 1946

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.—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	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH CARGO)	MAXIMUM NORMAL (WITH CARGO)	NONE NORMAL MAXIMUM				
<b>KC-35</b> LOCKHEED Two R-1340-45 AC-8805 1	550/ S.L. — 550/ S.L.	240/20000/- — —	— 32000 —	2000 1800 —	850/190/ 50% 830/208/ 75% NONE	250 250 NONE	NONE NONE NONE	7500 10500 10500 NONE	55'0" 39'8" 460 SQ. FT.	NONE NONE NONE	SPEC. 1201
<b>KC-53A</b> DOUGLAS Two R-1850-82 — 1					THIS AIRPLANE WILL BE A PRODUCTION C-53A AIRPLANE EQUIPPED WITH A FULL SPAN FLAP AND HEATED SURFACE				ANTI-ICING EQUIPMENT.		
<b>KC-60B</b> LOCKHEED Two R-1820-87 AC-33154 1					THIS AIRPLANE WILL BE A PRODUCTION C-60A WITH HEATED SURFACE TYPE ANTI-ICING EQUIPMENT INSTALLED.						
<b>KC-82</b> FAIRCHILD Two R-2800-51 AC-10435 2	1450/14000 2000/1500 1800/14500 2000/ S.L.	215/18000 2900 — 2000/ S.L.	10/10000 22100 5700 —	1950 1950 — —	4000/ 168/ — 3000/ 175/ — 1500/ 105/ —	5120 2185 1300	5288* CARGO 1258* CARGO 1500* CARGO	26300 50000 42000 50000	105'0" 75'2" 1400 SQ. FT.	NONE NONE NONE	SPEC. 78001A 11/20/45
<b>KC-97</b> BOEING Four R-3350-23 AC-24438 4	2000/25000 2200/25000 2200/ S.L.	532/25000/ 8800 —	45/25000 27800 14400 (2 ENGINES)	6130 — — —	4045/217/ — 2700/258/ — NONE	5785 4375 —	10920* CARGO 20022* CARGO —	70578 100000 100000	141'3" 110'4" 1749 SQ. FT.	NONE NONE NONE	SPEC. D-4233 8-16-45
<b>KC-99</b> CONSOL. Six R-4350-5 AC-34454 1	2500/40000 3000/35000 3000/ S.L.	535/30000/ 18000 —	38/20000 39000 20000 (5 ENGINES)	5000 4900 — —	3450/173/ — 1700/200/ —	2084 5085	1500* CARGO 10000* CARGO	119871 255000 255000 255000	250'0" 162'5" 4772 SQ. FT.	NONE NONE NONE	SPEC. D-37-001

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

A—ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY  
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## MONTHLY CHART

PAGE 6

## CONFIDENTIAL AIRPLANE CHARACTERISTICS &amp; PERFORMANCE

OBSERVATION, LIAISON, AND PHOTOGRAPHIC

DATE: 1 AUGUST 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.—1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50 OBS. LAND OVER 50 OBS.	RANGE with SPEEDS & POWER			WEIGHTS DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—DIS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL	MAXIMUM NORMAL	NONE NORMAL MAXIMUM					
XO-60 WELLETT YO-60 One R-915-S	300/ S.L.	127/ S.L./-	8/10000	250	217/105/ 50*	34	NONE	1950	42'0"	NONE	NONE	Spec. 12022
AC-21322	350/ S.L.	80	NONE	50	NONE	NONE	NONE	2540	42'0"	NONE	NONE	Spec. 12022
XO-61 S.S.S. YO-61 One R-915-S					C O N T R A C T							
AC-21450					C A N C E L L E D							
XL-6 INTERSTATE One XO-200-S PO-14016	C 110/ S.L.	C 124/9.11/110	C 1/950 C 18000	1000	550/200 - 325/105/ - NONE	40 20 NONE	NONE	1789	35'0"	NONE	NONE	Spec. 434 C FS-46-19- 1516-A.
XF-12 REPUBLIC Four R-4360-S1 AC-21335	2500/40000 3000/40000 3000/ S.L.	475 40000/ 12000	49000 25000	3000 3000	3000/ - / - 2500/ - / - 4500/ - / -	5550 4550 5550	NONE	55055	129'0"	NONE	ARMOR L.P. TANKS	Spec. 524 REV. A

NOTES:

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PO—PURCHASE ORDER

\* TESTED AT GROSS WEIGHT OF 16500#.

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**CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE**

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DATE: 1 AUGUST 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT. RE- LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.—1.2 NGS. 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.—BDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL WITH MAX. BOMBS	MAXIMUM NORMAL WITH MAX. BOMBS	NONE NORMAL MAXIMUM	NONE NORMAL MAXIMUM	WT. EMPTY DESIGN GROSS WEIGHT	WT. EMPTY DESIGN GROSS WEIGHT						
XR-1 PLATT-LEPAGE One R-939-21 AC-12275 1	420/ S.L. 420/ S.L. 420/ S.L.	120/ S.L./ 0	10/11500 NONE	0 0	— 265/100/— NONE	— 100 NONE	— NONE NONE	— NONE NONE	— NONE NONE	4500 4510 NONE	2x 30" Dia. 28" Dia. ROTOR Dia. 30". 1461 Sq. Ft.	NONE NONE NONE	NONE NONE NONE	Spec. R-19		
XR-1A PLATT-LEPAGE One R-939-21 PO-459 4	450/ S.L. — 450/ S.L.	125/ S.L./450 0	10/11500 19200 NONE	0 0	420/ 90/— — NONE	100 — NONE	— — NONE	— — NONE	— — NONE	3750 4250 — NONE	2x 30" Dia. 27" Dia. ROTOR Dia. 30". 1461 Sq. Ft.	NONE NONE NONE	NONE NONE NONE	Spec. R-41		
XR-4A SIXORSKY One R-100-1 AC-98005 29	180/ S.L. — 205/ S.L.	85/ S.L./280 0	15/7200 8000 NONE	0 0	172/145/— 80/145/— 80/145/—	5 14 14	— — ** 1-3504	— — —	— — —	2008 2515 2519 2669	38" Dia. 38" Dia. ROTOR Dia. 30". 1132 Sq. Ft.	NONE NONE NONE	NONE NONE NONE	Spec. 5920		
XR-4C SIXORSKY One R-100-1 — 1	180/ S.L. — 190/ S.L.	85/ S.L./285 0	15/7200 8000 NONE	0 0	— 90/ 60/ 75 —	25 14 —	— — —	— — —	— — —	1920 2400 —	38" Dia. 38" Dia. ROTOR Dia. 30". 1132 Sq. Ft.	NONE NONE NONE	NONE NONE NONE	Spec. — C FLIGHT TEST.		
XR-5 SIXORSKY One R-985-AN-5 AC-93845 4	450/ S.L. — 450/ 5000	95/5000/400 0	15/10000 14400 NONE	0 0	— 372/—/— —	— 100 —	— — —	— — —	— — —	3545 — 4850	48" Dia. 41" Dia. ROTOR Dia. 30". 1460 Sq. Ft.	NONE NONE NONE	NONE NONE NONE	Spec. 5930		
XR-5A SIXORSKY One R-985-AN-5 DA-2514 2					SAME AS XR-5 WITH ADDITIONAL EQUIPMENT AND MODIFICATIONS REQUESTED BY BRITISH.											
XR-6 SIXORSKY One O-435-7 AC-95940 1	225/ S.L. — 225/ S.L.	95/ S.L./225 0	10/10000 19000 NONE	0 0	— 142/100/ 65 —	50 20 —	— — —	— — —	— — —	1990 — 2590 —	38" Dia. 38" Dia. ROTOR Dia. 30". 1134 Sq. Ft.	NONE NONE NONE	NONE NONE NONE	Spec. 5923		
XR-6A SIXORSKY One O-405-9 AC-95940 4	245/ S.L. — 245/ S.L.	105/ S.L./245 0	10/10000 15000 NONE	0 0	125/ 80/— 450/ 80/— 100/ 75/—	20 70 20	0 0 700	— — —	— — —	1990 2625 2945 3125	38" Dia. 38" Dia. ROTOR Dia. 30". 1134 Sq. Ft.	NONE NONE NONE	NONE NONE NONE	Spec. 120.23		
XR-8 HELLETT One O-405-9 AC-40713 2	245/ S.L. — 245/ S.L.	80/ S.L./245 0	14/10000 8500 NONE	0 0	350/—/— 120/—/— —	74 34 —	— — —	— — —	— — —	2125 3020 2780 —	2x 35" Dia. 36" Dia. ROTOR Dia. 30". 1164 Sq. Ft.	NONE NONE NONE	NONE NONE NONE	Spec. 120.23		
XR-9 G & A One XO-230-5 AC-1708 2	— 120/ S.L. —	94/ S.L./— 0	— 12400 NONE	0 0	— 3.5 HR./74/— 2.5 HR./75/—	— 25 16	— — —	— — —	— — —	1022 1387 1353	28" Dia. — ROTOR Dia. 30". 616 Sq. Ft.	NONE NONE NONE	NONE NONE NONE	Spec. AU-744.		

NOTES:

AC—AIR CORPS

DA—DEFENSE AID

PO—PURCHASE ORDER

\* PERFORMANCE FOR XR-4 WITH 165 H.P. ENGINE AND 35 FT. DIA. ROTOR. THE XR-4C SAME AS XR-4 EXCEPT FOR ENGINE & ROTOR CHANGE.  
\*\* BOMB LOAD CARRIED ON 125 YR-4B'S.

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**MONTHLY CHART**  
**CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE**

PAGE 9

DATE: 1 AUGUST 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS		CLIMB TIME TO/FT. SERV. CEIL. CEIL.—1/2 RSGS. 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
		MAX STALL	TOW CLIMB			CARGO	PROVISIONS	EMPTY WEIGHT DESIGN GROSS WEIGHT				
XCG-10A LAKSTER KAUFFMAN		180 180 50						13000 — 25000	10570" 5710" 1171 SQ. FT.	NONE	NONE	SPEC. L.A.— 1105-
AC-27457												
XCG-14 CHASE		170 200 50						3237 — 7500	71'10" 42'10" 507 SQ. FT.	NONE	NONE	CHASE RE- PORT NO. 1 8-25-43
AC-1206												
XCG-15 WACO		150 150 57						4023 — 7500	52'3" 48'10" 623 SQ. FT.	NONE	NONE	WACO SPEC. NO. 1535-
AC-25851												
XCG-15A WACO		180 180 50						4023 — 8000	45 — 480VE	NONE	NONE	WACO SPEC. NO. 1535-A
XCG-16 GENERAL AIRBORNE TRANSPORT CO.		220 220 58						9500 — 19580	91'10" 48'4" 1200 SQ. FT.	NONE	NONE	GATC SPEC. NO. M-100
AC-1666												
XCG-17 (C-47A CONVERSION)		204 255 70						11000 — —	95'0" 54'5" 987 SQ. FT.	NONE	NONE	C-47
XFG-1 CORNELIUS		250 250 74.5						5562 — 8000	54'0" 54'5" 987 SQ. FT.	NONE	NONE	CORNELIUS REPORT 102A
AC-11004												

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 2

DATE: 1 AUGUST 1944

MODEL & MFR. ENGINE		ENG. RATINGS	SPEEDS	CLIMB	T. O. & LAND	RANGE with	FUEL with	BOMBS	WEIGHTS	DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE
CONT.	NO. PLANES	NORMAL/ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SELF POWER MAX. TW STALL	TIME TO FT. SERV. CEIL. CEIL.—1/2 ENGS. OUT	T. O. OVER 50' OBS. LAND OVER 50' OBS.	with SPEEDS % POWER	with	or	EMPTY WEIGHT DESIGN GROSS WEIGHT	SPAN LENGTH WING AREA	NO. OF GUNS —CAL.—RDS. OF AMM. PER GUN	TYPE	
XPG-2A	(CG-4A)	200/ S.L.	100	—	—	—	—	—	6731	85'6"	NONE	NONE	SPEC. 13264
(2)	1-440-T	200/ S.L.	150	—	—	—	120	NONE	9000	48'4"	NONE	NONE	
—	—	200/ S.L.	50	—	—	—	—	—	—	852 Sq. Ft.			
XPG-2B	(CG-4A)	225/ S.L.	110	2/1000	1492	—	—	—	5015	45	NONE	NONE	WACC RE-PORT NO. 1573.
(2)	R-755-g	245/ S.L.	150	—	—	— / 80/ —	120	NONE	9000	ABOVE			
—	—	—	50	—	—	194/ 80/ —	80		9000				
XPG-3	(XCG-15A)	225/ S.L.	114	2/1000	1853	—	—	—	5551	52'3"	NONE	NONE	WACC RE-PORT NO. 1573.
(2)	R-755-g	245/ S.L.	180	—	—	— / 80/ —	120	NONE	9000	48'10"			
—	—	—	50	—	—	207/ 80/ —	80		9000	523 Sq. Ft.			

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**MONTHLY CHART**  
**CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE**

PAGE 10

DATE: 1 AUGUST 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.-1/2 ENGR. 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	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
X80-1 FLEETWINGS Two XO-405-2 AC-29834 1	225/17000 250/S.L.	222/17000/ 450 77.5	23.1/17000/ 29500 24000	3480 -	-	(USED IN BOMB CONDITION)	-	45'2" 28'10" 203 Sq. Ft.	NONE	NONE	SPEC. H-55. REV. D.
X80-1 FLEETWINGS Two XO-405-2 AC-29834 1	225/17000 250/S.L.	209/17000/ 450 77.5	18.5/17000/ 29500 24000	1670 -	-	(USED IN BOMB CONDITION)	-	45'2" 28'10" 203 Sq. Ft.	NONE	NONE	AS ABOVE ALL PERFORM- ANCE IS ES- TIMATED.
X80-2A FLEETWINGS Two R-680-13 AC-29834 1	280/S.L. 295/S.L.	179/S.L./- -	12.9/10000 10300 -	2850 -	6.8 HR./198/-	(USED IN BOMB CONDITION)	4130 7505 8037 AT T. O.	48'7" 28'0" 236 Sq. Ft.	NONE	NONE	SPEC. H-57 REV. B.
X80-2A FLEETWINGS Two R-680-13 AC-29834 1	280/S.L. 295/S.L.	179/S.L./- 74	14.0/10000 16500 -	2295 -	2955/-/- NONE	(USED IN FERRY CONDITION)	4814 8052 8052 NONE	48'7" 28'0" 236 Sq. Ft.	NONE	NONE	SPEC. H-57 REV. B ALL PERFORM- ANCE IS ES- TIMATED.
X80-3 FAIRCHILD Two V-770-15 AC-32134 2	450/S.L. 450/12000 520/S.L.	220/12000/ 900 96	- 14000 -	4200 -	-	(USED IN BOMB CONDITION)	7585 -	52'9" 35'2" 376 Sq. Ft.	NONE	NONE	SPEC. 79000- D REV. A
X80-3 FAIRCHILD Two V-770-15 AC-32134 2	450/S.L. 450/12000 520/S.L.	220/12000/ 900 92	- 16000 -	3500 -	-	(USED IN FERRY CONDITION)	8038 -	52'9" 35'2" 376 Sq. Ft.	NONE	NONE	SPEC. 79000- C REV. A.
X80-4 **INTERSTATE Two XO-435-2 NAVY 2	220/S.L. 220/S.L.	152/S.L./ 440 66	10.5/5000 10000 -	CATAPULT -	-	(USED IN BOMB CONDITION)	100 2000 2000 2000	48'0" 35'8" 371 Sq. Ft.	NONE	NONE	NAVY SD- 315.
X80-4 **INTERSTATE Two XO-435-2 NAVY 2	220/S.L. 220/S.L.	152/S.L./ 440 58	7/5000 13000 -	950 * -	-	(USED IN FERRY CONDITION)	100 4753 4753 NONE	48'0" 35'8" 371 Sq. Ft.	NONE	NONE	NAVY SD- 315.

NOTES:

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

\* GROUND RUN  
\*\* CONTRACT COMPLETED

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