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WEEK 203-11

M1089-21

EE-306-2
EXPERIMENTAL

**MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE**



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DOD DIR 5200.9, 27 Sep 58

**PUBLISHED BY AUTHORITY OF THE COMMANDING GENERAL,
ARMY AIR FORCES, BY THE CHIEF, ENGINEERING DIVISION,
MATERIEL COMMAND, WRIGHT FIELD, DAYTON, OHIO**

1 MAY 1944

WF-5-2-44-200

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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".

SPEEDS: 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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HEAD QUARTERS

MONTHLY CHART

PAGE 1

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

(REVISED)
DATE: 1 May, 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./C.R. LANDING	CLIMB TIME TO FT. MIN. CRIT. 10000-15000 15000-20000	T.O. & LAND T.O. CRIT. W/CR. LAND CRIT. W/CR.	RANGE AIR & VARIOUS S. POWER		FUEL CONSUMPTION (GAL./HR.)	BOMBING ACCURACY	WEIGHTS GROSS DESIGN EMPTY WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-BRS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM DESIGN (WITH MAX. BURNS (4:1:1 MAX. 30 SE))	MAXIMUM DESIGN (MAX. 30 SE)							
XB-19A GENERAL MOTORS Four V-3420-11 AC-3352 1	2100/20000 2600/20000 2600/ S.L.	365/25000/ 10100	39000 39000	1600 2000	1210/210 - -	6100	2100	9297 140330	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-19429 3	2000/25000 2200/25000 2200/ S.L.	362/25000/ 4000	27/25000 31100 31300	1191 1201	1620/250/ 525 1600/241/ 525	748 5105 1507	3705 3000	6121 120000 120000	141'3" 98'2" 1739 Sq. Ft.	10-.50-500	ARMOR L.P. TANKS	Spec. D-2651- (Pressure Cabin) D-1104 App. F Spec. ZD-33- 001-C.	
XB-32 CONSOL. Four R-3350-13 AC-19549 3	2000/25000 2200/25000 2200/ S.L.	370/25000/ 8000	22.5/25000 30700 30900	1000 1000	1250/250/ 455 1240/250/ 455 1210/250/ 455	4674 4591 4507	NONE 3000 20000	6161 131662 101662	135'0" 83'0" 1422 Sq. Ft.	11-.50-500	ARMOR L.P. TANKS	Spec. ZD-33- 001-C.	
XB-35 NORTHERN Four R-1350 AC-21920 2	2500/20000 3000/20000 3000/ S.L.	325/25000/ 12000	30000 30000 17000	5730 3000	6000/275/ - 5200/275/ - 5000/275/ -	10003 8004	NONE 10000 51000	80477 180000 155000 180000	172'0" 51'0" 4000 Sq. Ft.	4-.50-1000 2-.50-500 2-.50-1000	ARMOR L.P. TANKS	Spec. NS-9	
XB-36 CONSOL. Six R-1350-5 AC-22352 2	2500/20000 3000/25000 3000/ S.L.	372/25000/ 13000	50/20000 31500 47500	5200 5000	11500/ - / - 10000/ - / - 1700/ - / -	21116 19245 9450	NONE 10000 72000	129026 255000 269039 269039	230'0" 163'0" 4772 Sq. Ft.	4-37MM-100 1-37MM-500 10-.50-1000	ARMOR L.P. TANKS	Spec. ZD-35- 001A.	
XB-39 GENERAL MOTORS Four V-3420-11 AC-27331 1	2100/20000 2500/20000 2600/ S.L.	388/25000/ 10100	26.5/25000 30000 11500	1250 3350	5700/252/ - 4200/250/ - 3100/253/ -	6857 5174 3787	NONE 2000 20000	71177 120000 112897 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-1820-65 AC-32718 1					C O N T R A C T C A N C E L L E D							For reference data see chart dated 1 DEC. 1943	
XB-41 CONSOL. Four R-1820-65 AC- 1					C O N T R A C T C A N C E L L E D							AS ABOVE	
XB-42 DOUGLAS Two V-1710-103 AC-14188 2	1050/20000 1200/22400 1325/ S.L.	149/25700/ 2100	45/25000 27000 20000	6500 2650	5700/210/ - 2090/238/ -	1850 650	0 8000	18577 34335 33000	70'6" 53'8" 555 Sq. Ft.	2-.50-500 4-.50-350 (NORMAL)	ARMOR L.P. TANKS B.P. GLASS	Spec. 16- 159.	

NOTES:

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

* ESTIMATE

Prepared by: Technical Data Laboratory, Engineering Division

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

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LIGHT BOMBARDMENT
CONFIDENTIALMONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 2

DATE: 1 May, 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL. CRT. 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.-BDS. 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 Two R-2800-27 AC-179L6 1	1600/5700 • 1600/13500 2000/ S.L.	371/17000/ 2420 100	10.2/20000 31300 17000	1840 2270	1977/202/ - 810/280/ 63% 1115/212/ -	1000 1100 800	NONE 1200 1400	21150 A 29370 31880	70'0" 51'2" 540 Sq. Ft.	2-50-100 2-50-500 2-50-500	ARMOR L.P. TANKS B.P. GLASS	Spec. 539
XA-26A DOUGLAS Two R-2800-27 AC-179L6 1	1150/13000 • 1600/13500 2000/ S.L.	365/17000/ 3300 -	10.5/20000 29400 12600	1894 2172	• 1120/234/ 50% • 700/261/ 63% NONE	800 1100 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. 544 (LIGHT FIGHTER)	
XA-26B DOUGLAS Two R-2800-27 AC-179L6 1	1150/13000 • 1600/13500 2000/ S.L.	394/16000/ 3200 -	- 25700 15500	1945 2192	1260/ - / - 695/ - / 63% NONE	800 1100 NONE	20225 28855 26000 NONE	70'0" 50'2" 540 Sq. Ft.	4-50-500 1-75mm-20	ARMOR L.P. TANKS B.P. GLASS	Spec. 542 (DESIGNATOR TYPE)	
XA-32 BREWSTER One R-2800-37 AC-2143L 1	1150/13000 • 1600/13500 2000/ S.L.	311/15200/ 1520 75	5.74/10000 26000 NONE	1295 1300	1600/200/ - 600/196/ - -	530 260 200	NONE NONE 1600	11819 17772 15512 19960	45'1" 40'1" 425 Sq. Ft.	6-50-100 1-20mm-120	ARMOR L.P. TANKS B.P. GLASS	Spec. EP- LH
XA-32A BREWSTER One R-2800-37 AC-2143L 1	1150/13000 • 1600/13500 2000/ S.L.	311/15200/ 1520 75	5.74/10000 25000 NONE	1295 1300	- / - / - 500/196/ - -	530 300 200	NONE NONE 1600	11819 17772 15512 19960	45'1" 40'1" 425 Sq. Ft.	6-50-100 1-37mm-30	ARMOR L.P. TANKS B.P. GLASS	Spec. EP- LH
XA-38 BEECH Two R-3350-13 AC-333LE 2	2100/2500 2250/11000 2300/ S.L.	370/17000/ 3800 97	6.1/11000 29000 17000	2500 2500	2700/172/ - 1230/174/ - 1120/166/ -	1125 620 325	NONE NONE 2000	22150 35261 29600 33065	67'4" 51'9" 625 Sq. Ft.	1-75mm-20 6-50-500	ARMOR L.P. TANKS B.P. GLASS	Spec. 550 Rev. 7-13-43
XA-41 VULTURE One XR-1360-9 AC-340L2 2	2500/3000 3500/1500 3000/ S.L.	353/13500/ 2100 87	1.2/10000 27000 NONE	1150 1525	3000/180/ 37% 800/270/ - -	1110 350 445	NONE 1059 3200	13100 23262 16800 23550	54'0" 48'8" 540 Sq. Ft.	4-50-100 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.
•• ESTIMATES
••• FLIGHT TEST - Eng-19-1629-A.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

DATE: 1 May, 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL. CRT. ALT. TAKE-OFF R. L.	SPEEDS HIGH/ALT. H.E. LANDING	CLIMB TIME TO FT. 10,000 10,000-15,000 ENGR. OUT	T.O. & LAND T.O. OVER 10,000 LAND OVER 10,000	RANGE with 100% S.P. & POWER		FUEL GAL. PER HOUR	BOMBS WT.	WEIGHTS WT. EMPTY DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF ANN. PER GUN	COMBAT PROT. TYPE	REFERENCES
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (W/OUT MAX. BOMBS)							
XP-47J REPUBLIC One R-2800-61 AC-32150 1	1700/30000 2100/35000 2100/ S.L. 2300/30000	1624/30000/ 2800	8.1/15000 NONE	1400 2500	2661/ - - 1920/ - - NONE	870 270 NONE	NONE	9835 15780 12240 NONE	41'10" 33'13" 300 Sq. Ft.	6-.50-267	ARMOR L.P. TANKS S.P. GLASS	Republic	
XP-49 LOCKHEED Two XI-1430-13,15 AC-13476 1	1150/25000 1600/25000 1350/ S.L.	158/25000/ 3150	6.7/20000 37500	3200 3200	- 670/1950 w. NONE	125 300 NONE	NONE	15475 19948 12285 NONE	52'10" 40'11" 328 Sq. Ft.	2-20mm-60 1-.50-300	ARMOR L.P. TANKS S.P. GLASS	Spec. 1505 Rev. 6-1-45 (Pressure Cabin)	
XP-51F NORTH AMERICAN One T-1650-3 AC-37857 5	950/29500 1150/13700 1360/ S.L.	478/29300/ 1385	4.25/20000 44600 NONE	1253 1137	2105/ - - 452/377/ 75%	430 105 180	NONE 1000	5624 8753 7150 8719	37'10" 32'13" 235 Sq. Ft.	4-.50-250	ARMOR L.P. TANKS S.P. GLASS	Spec. 5656 Rev. 4-17- 45	
XP-54 WALTER One XR-2470-1 AC-15019 2	2000/25000 2300/25000 2300/ S.L.	403/28500/ 2300	17/20000 37000 NONE	3280 -	116/328/ 75% 1000/328/ 75% NONE	285 223 NONE	NONE	13862 19063 18033 NONE	53'10" 54'19" 456 Sq. Ft.	2-37mm-60 2-.50-500	ARMOR L.P. TANKS S.P. GLASS	Spec. 544 (Pressure Cabin)	
XP-55 CURTISS One W-1710-95 AC-29013 3	1000/11000 1125/15500 1275/ S.L.	419/19300/ 1100	7.1/20000 33400 NONE	1950 1950	1530/300 EP 866/396/ - NONE	210 110 NONE	NONE	5385 7711 6808 8082	40'7" 39'7" 209 Sq. Ft.	4-.50-250	ARMOR L.P. TANKS S.P. GLASS	Spec. 219 251. (Rev. "B" 12-21-42)	
XP-56 NORTHROP One R-2800-29 AC-15021 1 AC-25060 1	1500/21500 1650/22500 2000/ S.L.	467/25000/ 1650	7.2/20000 - NONE	1860 2500	662/796/ 75% 465/796/ 75% NONE	314 215 NONE	NONE	3690 12143 11350 NONE	42'7" 23'7" 307 Sq. Ft.	2-20mm-60 4-.50-300	ARMOR L.P. TANKS	Spec. 2	
XP-58 LOCKHEED Two Y-3420-11, 13 AC-15867 1 AC-37212 1	2100/25000 2600/25000 2600/ S.L. 3000/28000	430/28000/ 6000	15/25000 38200 -	3600 3600	2654/210/ 148% 1150/274/ 148% NONE	1700 660 NONE	NONE	21346 43020 36874 NONE	70'10" 48'13" 600 Sq. Ft.	4-37mm-25 4-.50-300 or 1-75mm-20 6-.50-300	ARMOR L.P. TANKS S.P. GLASS	Spec. 1870 (Pressure Cabin) Rev. 4-1-45	
XP-60C CURTISS One R-2800-53 AC-28113 1	1550/21500 1650/22500 2000/ S.L.	411/20350/ 2000	5.5/20000 35000 NONE	1325 -	- 0.75 hrs. NONE	360 178 NONE	NONE	8601 11836 10525 NONE	41'4" 33'11" 275 Sq. Ft.	4-.50-250	ARMOR L.P. TANKS S.P. GLASS	Spec. 8509 (Appendix 5)	
XP-60E CURTISS One R-2800-10 AC-28113 1	1550/21500 1650/22500 2000/ S.L. 2000/19000	405/21500/ 1650	3.9/15000 4.8/15000 34800 NONE	1265 -	- 0.75 hrs. NONE	360 178 NONE	NONE	8223 11578 10200 NONE	41'4" 33'11" 275 Sq. Ft.	4-.50-250	ARMOR L.P. TANKS S.P. GLASS	Spec. 8509 (Appendix 6)	
XP-61 NORTHROP Two R-2800-10 AC-17442 2	1550/21500 1800/15000 2000/ S.L.	370/20900/ 3090	9/20000 33100 -	1575 2150	1166/200/ 33% 1200/200/ 33% NONE	660 540 NONE	NONE	21695 22878 87576 NONE	46'10" 46'11" 663 Sq. Ft.	4-20mm-150 4-.50-500	ARMOR L.P. TANKS S.P. GLASS	Spec. 88 Spec 15- 1005-A & 108 7-15-45	

NOTES: r REVISED

AC-AIR CORPS

DA-DEFENSE AIR

PO-PURCHASE ORDER

we - WAR EMERGENCY

* - TWO OF THESE AIRPLANES ARE PLANNED TO INCORPORATE THE ROLLS-ROYCE HM-1188 ENGINES AND WILL BE DESIGNATED XP-51B.

** - ESTIMATED

A-ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY

B-OFFICIAL PERFORMANCE REPORT NO.

C-PRELIMINARY FLIGHT TEST

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MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

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(REVISED)
DATE: 1 May, 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/R. L.	SPEEDS HIGH/ALT./H.P. LANDING	CLIMB TIME TO/PT. 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 MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT DESIGN GROSS WEIGHT
XP-62 CURTISS One R-3350-17 AC-19440 2	2100/25000 2250/25000 2300/ S.L.	448/27000/ 2250 85	6.6/15000 35700 NONE	2350 2140	1.5 hrs/2100HP - NONE	384 245 NONE	NONE	11773 16651 14660 NONE	53'8" 39'6" 420 Sq. Ft.	4-20mm-150	ARMOR L.P. TANKS B.P. GLASS	Spec. 8343A. (Pressure cabin)
- C-63A BELL One V-1710-93 AC-18966 1					C O N T R A C T C O M P L E T E D							For refer- ence see 1 December issue.
XP-67 McDONNELL Two X1-11,30-17,19, 23. AC-21218 2	1000/25000 1600/25000 1250/ S.L.	448/25000/ 3200 93	17/25000 37000 11600	3500 2500	2000/210/- 700/270/- NONE	735 280 NONE	NONE	16661 23510 21000 NONE	55'0" 42'0" 411 Sq. Ft.	6-37mm-45	ARMOR L.P. TANKS B.P. GLASS	Spec. S-23A (Pressure cabin)
XP-72 REPUBLIC One R-1360-13 AC-37879 2	2300/25000 2600/25000 3000/ S.L. 3450/ S.L.	500/25000/ 3000 -	3.3/15000 - NONE	- -	- .67 hr/2200HP NONE	320 200 NONE	NONE	10773 15170 14450 NONE	41'0" 36'7" 300 Sq. Ft.	6-.50-267	ARMOR L.P. TANKS B.P. GLASS	Spec. 507 REP. LETTER XP-72-43-72 (10/22/43)
XP-75 FISHER BODY One V-3420-19 AC-33962 2	2100/17000 2300/20000 2500/ S.L. 3000/ S.L.	430/20000/ 2300 82	7/20000 37000 NONE	1300 2000	1000/ 945 H.P. NONE	210 NONE	NONE	11441 18665 17217 NONE	49'11" 41'6" 342 Sq. Ft.	4-.50-300 Plus alternate 6-.50-255 WING GUNS	ARMOR L.P. TANKS B.P. GLASS	Spec. X-92 Rev. 3-4-43
XP-75 FISHER BODY Long Range One V-3420-19 AC-33962 6	2100/17000 2300/20000 2500/ S.L. 3000/ S.L.	430/20000/ 2300 91	7/20000 37000 NONE	1600 2200	3850/250/- 3010/250/- NONE	858 638 NONE	NONE	11441 18665 17217	49'11" 41'6" 342 Sq. Ft.	AS	ARMOR L.P. TANKS B.P. GLASS	Spec. X-92 Rev. 3-4-43
XP-77 BELL One X7-770-17 AC-30864 2	450/12000 520/ 8500 520/ S.L. 670/ S.L.	350/8500/ 520 92	3/8500 30250 NONE	1281 1797	2.3 hrs/ 270 -	94 56 325	NONE NONE NONE	2760 3857 3585 3940	27'6" 22'11" 100 Sq. Ft.	2-.50-200	ARMOR L.P. TANKS B.P. GLASS	Spec. 32- 947-001.
XP-82 NORTH AMERICAN Two V-1650-9 AC-30864 2	1065/23400 1720/6200 1490/ S.L. 1700/ S.L.	481/23400/ 1260 -	1.6/20000 40000 -	1965 -	1390/315/- 2622/315/- -	590 590 980 740	4000 - - 2000	10805 21300 17300 20000 20200	51'0" 35'7" 360 Sq. Ft.	4-20mm-300	ARMOR L.P. TANKS B.P. GLASS	Spec. NA-8030 1/15/44 NA-8025 2/14/44

NOTES: r Revised

AC-AIR CORPS

DA-DEFENSE AID

PO-PURCHASE ORDER

we WAR EMERGENCY

: (2 INTERCEPTORS AND
(6 LONG RANGE FIGHTERS.

A-ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY

B-OFFICIAL PERFORMANCE REPORT NO.

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AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 5

DATE: 1 May, 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 ENGS. OUT	T. O. & LAND T. O. OVER 1st OBS. LAND OVER 1st OBS.	RANGE with FUEL with CARGO 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					WT. EMPTY WEIGHT DESIGN GROSS WEIGHT
XC-35 LOCKHEED Two R-1340-43 AO-3405 1	550/S.L. - 550/S.L.	210/20000/- - -	- 32000 -	3000 1800	860/190/ 50% 630/208/ 75% None	250 250 None	None None None	7600 10500 10500 None	55'0" 39'8" 460 Sq. Ft.	None None None	None None None	Spec. 1201
XC-53A DOUGLAS Two R-1830-82 - 1					This airplane will be a production C-53 airplane equipped with a full span flap and heated surface anti-icing equipment.							
XC-60B LOCKHEED Two R-1820-87 AO-33164 1					This airplane will be a production C-60A with heated surface type anti-icing equipment installed.							
XC-82 FAIRCHILD Two R-2800-51 AO-30435 2	1150/13000 2000/1500 1500/13500 2000/S.L.	213/13000/ 2900 -	10/10000 22100 5000	1950 1950	4000/168/- 3000/175/- 1500/156/-	3120 2185 1300	3240# Cargo 1250# Cargo 15000# Cargo	26000 50000 42000 50000	106'0" 76'2" 1100 Sq. Ft.	None None None	None None None	Spec. 78001A 11/20/43
XC-97 BOEING Four R-3350-23 AO-34436 3	2000/25000 2200/25000 2200/S.L.	332/25000/ 8800 -	16/25000 27800 11400 (3 engines)	6130 -	1645/217/- 2700/259/- NONE	5785 4378 -	10920# Cargo 20022# Cargo -	70578 120000 120000 -	141'3" 110'4" 1779 Sq. Ft.	None None None	None None None	Spec. D-1233 8-18-43
XC-99 CONSOLIDATED Six R-1360-5 AO-34464 1	2500/40000 3000/39000 3000/S.L.	335/30000/ 18000 -	38/20000 30000 20000 (5 engines)	5000 1600	- 9250/173/- 1700/200/-	- 20814 5085	- 15000# Cargo 100000# Cargo	129471 265000 265000 265000	230'0" 182'6" 4772 Sq. Ft.	None None None	None None None	Spec. 2D-37- 001.

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

Prepared by: Technical Data Laboratory, Engineering Division

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MONTHLY CHART

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 May, 1944

MODEL & MFR.		ENG. RATINGS	SPEEDS	CLIMB	T. O. & LAND	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE	
ENGINE	CONT. NO. PLANES	NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF/S. L.	HIGH/ALT./H.P. LANDING	TIME TO/FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. OVER 90° OBS. LAND OVER 90° OBS.	SPEEDS % POWER		WEIGHTS	SPAN LENGTH WING AREA	NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	TYPE		
						MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	BOMB NORMAL MAXIMUM	WT. EMPTY WEIGHT DESIGN GROSS WEIGHT				
XO-60 KELLETT YO-60 One R-915-3		300/ S.L.	127/ S.L./-	8/10000 19000	250 50	- 217/103/ 60%	- 34 None	None	1960 - 2640	42'0" 21'5" Rotor Disc. 1385 Sq. Ft.	None	None	Spec. 12022.
AC-21921	7	330/ S.L.	30	None									
XO-61 A.S.A. YO-61 One R-915-3													Spec. 1333.
AC-21450	6												
C O N T R A C T C A N C E L L E D													
XL-6 INTERSTATE One XO-200-5 PO-11016	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	None	1089 1625 1625 NONE	35'6" 23'5" 174 Sq. Ft.	None	None	Spec. 13A C PS-H-19- 1516-A.
NOTES: * TESTED AT GROSS WEIGHT OF 16500#.													
AC-AIR CORPS									A-ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY				
DA-DEFENSE AID									B-OFFICIAL PERFORMANCE REPORT NO.				
PO-PURCHASE ORDER									C-PRELIMINARY FLIGHT TEST				
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ROTARY

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AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: 1 May, 1944

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./CRP LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-10 ENGE OUT	T. O. & LAND T. O. OVER BY ORS. LAND OVER BY ORS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBRS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM SPECIAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
XR-1 PLATT-LEPAGE One R-985-21 AC-15375 1	120/ S.L. 120/ S.L. 120/ S.L.	120/ S.L./ - - -	10/1500 2000 None	0 0 -	- 566/100/ - None	- 100 None	None None None	3309 4610 None	30'6" Ma. 23'6" Rotor disc. 1161 Sq. Ft.	None None	Spec. R-19
XR-1A PLATT-LEPAGE One R-985-AB-1 PO-1609 1	150/ S.L. 150/ S.L.	125/ S.L./150 -	10/11500 1900 None	0 0 -	400/ 90/ - None	100 None	None None	3763 4056 None	56'0" Dia. 27'10" Rotor disc. 1552 Sq. Ft.	None None	Spec. R-11
YR-4A SIKORSKY YR-4B SIKORSKY One R-550-1 AC-09005 29	180/ S.L. - 200/ S.L.	83/ S.L./182 - -	11/5000 9425 None	0 0 -	172/115/ - 80/115/ - 80/115/ -	30 11 11	None - ** 1-350#	2008 2615 2517 2809	38'0" Ma. 35'5" Rotor disc. 1130 Sq. Ft.	None None	Spec. 5922
XR-4C SIKORSKY One R-550-1 See note * 1	180/ S.L. 150/ S.L.	83/ S.L./165 0	16/1300 0/ 2000 None	0 0 -	- 90/ 60/ 75% -	25 11	- None -	1927 - 2100	38'0" Ma. 38'5" Rotor disc. 1130 Sq. Ft.	None None	Spec. - C* FLIGHT TEST
XR-5 SIKORSKY One R-585-AB-5 AC-29816 4	150/ S.L. - 150/ 5000	93/5000/100 0	15/10000 11400 None	0 0 -	372/ - / - -	- 100	- -	3675 - 1650	45'0" Dia. 41'10" Rotor disc. 1660 Sq. Ft.	None None	Spec. 5930
XR-5A SIKORSKY One R-585-AB-5 DA-2514 2					SAME AS XR-5 WITH ADDITIONAL EQUIPMENT AND MODIFICATIONS REQUESTED BY BRITISH.						
XR-6 SIKORSKY One C-135-7 AC-35340 1	225/ S.L. - 225/ S.L.	93/ S.L./225 0	10/10000 15000 None	0 0 -	- 113/100/ 65% -	50 20	None -	1990 - 2990	36'0" Ma. 38'3" Rotor disc. 1134 Sq. Ft.	None None	Spec. 5925
XR-6A SIKORSKY One C-145-9 AC-35340 4	215/ S.L. - 215/ S.L.	105/8. L./215 0	10/10000 15000 None	0 0 -	125/ 80/ - 130/ 80/ - 100/ 75/ -	20 70 20	0 0 700	1990 2625 2925 3125	38'0" Dia. 38'3" Rotor disc. 1134 Sq. Ft.	None None	Spec. 120.23
XR-8 KELLEY One C-105-9 AC-14711 2	215/ S.L. - 215/ S.L.	80/ S.L./215 0	11/10000 3500 None	0 0 -	350/ - / - 120/ - / - -	74 34	None None -	2123 3020 2780	40'0" Ma. 36'0" Rotor disc. 1165 Sq. Ft.	None None	Spec. 120.23

NOTES:
* Performance for XR-4 with 165 H.P. engines and 36 ft. dia. rotor. The XR-4C same as XR-4, except for engine & rotor change.
** Bomb load carried on (26) XR-4B's.
AC-AIR CORPS
DA-DEFENSE AID
PO-PURCHASE ORDER

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CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

GLIDERS, CARGO & FUEL

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(REVISED)
DATE: 1 May, 1944

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. MIL./CRIT. ALT. TAKE-OFF S. L.	SPEEDS MAX. TOT MAX. STALL	CLIMB TIME TO FT. SERV. CEIL. CEIL. -1/2 ENGE. OUT	T. O. & LAND T. O. OVER 50' OBS. LAND OVER 50' OBS.	RANGE with			WEIGHTS EMPTY DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					§ SPEEDS & POWER	FUEL	BOMBS					
XCG-4 WACO		150 150 144					3050 -	83'8" 46'8" 852 Sq. Ft.	NONE	NONE	SPEC. 1326-A	
AC-19689 1					15 TROOPS	PLUS	EQUIPMENT	6800 -				
XCG-10 LAISTER KAUFFMAN		150 200 50			30 TROOPS	PLUS	EQUIPMENT	12300 -	105'0" 68'6" 1180 Sq. Ft.	NONE	NONE	SPEC. LX- 20005.
AC-27357 1								20300 -				
XCG-10A LAISTER KAUFFMAN		180 180 60			42 TROOPS	PLUS	EQUIPMENT	13000 -	105'0" 67'0" 1171 Sq. Ft.	NONE	NONE	SPEC. L.X.- 1105.
AC-27357 1								25000 -				
XCG-13 WACO		174 200 56			30 TROOPS	PLUS	EQUIPMENT	7000 -	85'8" 54'4" 873 Sq. Ft.	NONE	NONE	SPEC. 1381
AC-31734 2								15000 -				
XCG-14 CHASE		170 200 60			15 TROOPS	PLUS	EQUIPMENT	3237 -	71'10" 42'10" 507 Sq. Ft.	NONE	NONE	CHASE RE- PORT NO. 1 8-25-43
AC-1206 3								7605 -				
XCG-15 WACO		150 150 57			15 TROOPS	PLUS	EQUIPMENT	4023 -	62'3" 46'10" 623 Sq. Ft.	NONE	NONE	WACO SPEC. NO. 1535.
AC-25851 1								7500 -				
XCG-15A WACO		180 180 60			15 TROOPS	PLUS	EQUIPMENT	4023 -	AS ABOVE	NONE	NONE	WACO SPEC. NO. 1573.
AC-1666 3								8000 -				
XCG-16 GENERAL AIRBORNE TRANSPORT CO.		220 220 58			42 TROOPS	PLUS	EQUIPMENT	9500 -	91'10" 46'4" 1200 Sq. Ft.	NONE	NONE	GATC SPEC. No. M-100
AC-1666 2								19580 -				
XFG-1 CORNELIUS		250 250 74.5			1 PILOT AND	677	GALLONS GASOLINE	3362 -	54'0" 29'3" 350 Sq. Ft.	NONE	NONE	CORNELIUS REPORT 102A
AC-11004 3								8000 -				

NOTES:

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MONTHLY CHART GLIDERS, POWER

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

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(REVISED)
DATE: 1 May, 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 @ SPEEDS % POWER			EMPTY WEIGHT DESIGN GROSS WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH TROOPS)	MAXIMUM NORMAL (WITH TROOPS)	MAXIMUM NORMAL (WITH TROOPS)					
XP9-1 NORTHWESTERN (CG-1A) (2) FRANKLIN 6AC-298- N3 1	130/ S.L. 130/ S.L. 130/ S.L.	80 150 50	10/1000 - -	6000 - -	300/80/100 - -	100 - -	NONE - -	5800 7500 -	83'8" 12'3" 852 Sq. Ft.	NONE - -	NONE - -	SPEC. 1326A
XP9-2A (CG-1A) (2) 1-1440-7 2	200/ S.L. 200/ S.L. 200/ S.L.	100 150 50	- - -	- - -	- - -	120 - -	NONE - -	6731 - 9090	AS - ABOVE	NONE - -	NONE - -	SPEC. 1326A
XP9-2B (CG-1A) (2) B-755-9 1	150/ S.L. 150 150/ S.L.	110 150 50	2/1000 - -	1192 - -	- / 180 / - 194/80 / -	120 80	NONE - -	6013 - 9000 9000	AS - ABOVE	NONE - -	NONE - -	WADO RE- PORT NO. 1573.
XP9-3 (CG-15A) (2) B-755-9 1	150/ S.L. 180 150/ S.L.	114 180 58	2/1000 - -	1853 - -	- / 80 / - 207/ 80 / -	120 80	NONE - -	5933 - 9000 9000	62'3" 12'10" 623 Sq. Ft.	NONE - -	NONE - -	WADO RE- PORT NO. 1573.

NOTES:

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

* RESTRICTED TO TOW TAKE-OFF.

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MODEL & MFR. ENGINE		ENG. RATINGS	SPEEDS	CLIMB	T. O. & LAND	RANGE with S SPEEDS & POWER	FUEL with	BOMBS at	WEIGHTS	DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE
CONT.	NO. PLANES	NORMAL ALT. ML. CRT. ALT. TAKE-OFF S. L.	HIGH ALT. H.P. LANDING	TIME TO/FT SERV. CEIL. CHL.-1/2 ENCL. OUT	T. O. OVER 30' OBS. LAND OVER 30' OBS.	MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	MAX. NORMAL MAXIMUM	WT. EMPTY WEIGHT DESIGN GROSS WEIGHT	SPAN LENGTH WING AREA	NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	TYPE	
IBQ-1	FLEETWINGS	225/17000	222/17000/ 150	23.1/17000 29500 21,000	3,680	-	-	(USED IN BOMB CONDITION)	-	15'2" 28'10" 203 Sq. Ft.	NONE	NONE	SPSC. B-56 Rev. D.
Two IO-105-7	1	250/ S.L.	77.5	-	-	1706/170/ -	-	2000	7813				
AC-29834													
IBQ-1	FLEETWINGS	225/17000	209/17000/ 150	18.3/17000 29500 21,000	1,670	-	-	(USED IN FERRY CONDITION)	-	15'2" 28'10" 203 Sq. Ft.	NONE	NONE	AS ABOVE All Performance is estimated.
Two IO-105-7	1	250/ S.L.	77.5	-	-	-	-	NONE	6025				
AC-29834													
IBQ-2A	FLEETWINGS	280/ S.L.	179/S.L./ -	12.9/10000 16300	2,850	-	-	(USED IN BOMB CONDITION)	4,330	16'7" 28'0" 236 Sq. Ft.	NONE	NONE	SPSC. B-57 Rev. B.
Two R-680-13	1	295/ S.L.	-	-	-	8.8 hr./128/-	-	225	7606				
AC-29834									8017 at I. O.				
IBQ-2A	FLEETWINGS	280/ S.L.	179/S.L./ -	14.0/10000 16600	2,295	-	-	(USED IN FERRY CONDITION)	4,214	16'7" 28'0" 236 Sq. Ft.	NONE	NONE	SPSC. B-57 Rev. B All Performance is Estimated.
Two R-680-13	1	295/ S.L.	74	-	-	2955/ - / -	-	118 NONE	8062 8062 NONE				
AC-29834													
IBQ-3	FAIRCHILD	150/ S.L.	220/12000/ 900	-	1,200	-	-	(USED IN BOMB CONDITION)	7,686	52'0" 36'2" 376 Sq. Ft.	NONE	NONE	SPSC. 79000- 3
Two V-770-15	2	150/12000 520/ S.L.	96	11,000	-	1500/201/ 75%	-	500 500	15340 15340				Rev. A
AC-32134													
IBQ-3	FAIRCHILD	150/ S.L.	220/12000/ 900	-	3,500	-	-	(USED IN FERRY CONDITION)	6,038	52'6" 36'3" 375 Sq. Ft.	NONE	NONE	SPSC. 79000- 0
Two V-770-15	2	150/12000 520/ S.L.	92	16,000	-	2900/197/ 75%	-	800 800 NONE	11203 11203 NONE				Rev. A.
AC-32134													
IBQ-4	INTERSTATE	220/ S.L.	162/S.L./ 140	10.5/5000 10000	Catapult	-	-	(USED IN BOMB CONDITION)	-	16'0" 35'8" 371 Sq. Ft.	NONE	NONE	NAVY SD- 315.
Two IO-135-2	2	220/ S.L.	66	-	-	125/172/ 100%	-	100 100 100	6311 6311 6311				
Navy													
IBQ-4	INTERSTATE	220/ S.L.	152/S.L./ 140	7/5000 13000	950 *	-	-	(USED IN FERRY CONDITION)	-	16'0" 35'8" 371 Sq. Ft.	NONE	NONE	NAVY SD- 315.
Two IO-135-2	2	220/ S.L.	58	-	-	375/152/ 100%	-	100 100 NONE	1763 1763 NONE				
Navy													
IBQ-5	INTERSTATE	150/ S.L.	227/S.L./ 900	7/5000 13500	1,165 *	-	-	(USED IN BOMB CONDITION)	-	16'0" 35'8" 371 Sq. Ft.	NONE	NONE	NAVY SD- 306.
Two IO-805-2	2	150/ S.L.	82	-	-	1070/227/ 100%	-	350 350 350	10268 10268 10268				
Navy													
IBQ-5	INTERSTATE	150/ S.L.	185/S.L./ 900	9/5000 11000	1,180 *	-	-	(USED IN BOMB CONDITION)	-	16'0" 35'8" 371 Sq. Ft.	NONE	NONE	NAVY SD- 306.
Two IO-805-2	2	150/ S.L.	81	-	-	1150/185/ 100%	-	180 180 NONE	9797 9797 NONE				
Navy													

NOTES:

* GROUND RUN

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