

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

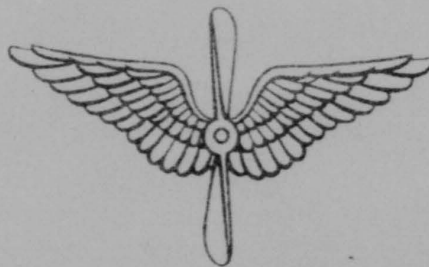
FILE NO.
203-12
MAY 1943

M1090-29

ARCHIVES
OF THE AAF
HISTORICAL OFFICE

EE-306-3
FOREIGN

MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE



NOTICE: This document contains information affecting the National Defense of the United States within the meaning of the Espionage Act (U. S. C. 50:11-32). The transmission of this document or the revelation of its contents in any manner to an unauthorized person is prohibited.

DECLASSIFIED
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

MAY 31, 1943

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART

MIAMI, FLORIDA

PAGE 1

AIRPLANE CHARACTERISTICS & PERFORMANCE

WHEELS, PORTER

DATE: May 31, 1943

MODEL & MFR ENGINE	ENG. RATINGS NORMAL ALT. WIND CRIT. ALT. TAK-OFF & L.	SPEEDS HIGH ALT. & P. LANDING	CLIMB TIME TO FT. VERY CRDL. CRDL. - 1/2 ENGS. CUT	T.O. & LAND T.O. OVER 15' OBS. LAND OVER 15' OBS.	RANGE with FUEL with BOWDS. in WEIGHT		DIMENSIONS SPAN WING AREA	ARMAMENT NO. OF GUNS CALIBER OF AMM. CAPACITY	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOWDS.)	MAXIMUM NORMAL (WITH MAX. BOWDS.)					None NORMAL MAXIMUM
BLACKBURN Firebrand One Napier Sabre III	1670/26250 1700/16000 2750	358/28000/-	11/20000 31600	1350	1025/236/-	200	None	9900 15700	50'10" 37'10" 370 sq. ft.	2-20mm-50	ONI 1/23/42 SUSSA Sept. 27/42
BLACKBURN Jee I One Brit. Perseus III	405/8500 715/6500 430	223/7500/-	25.6/25000 14000	-	650/130/-	110	None	6167 5012	26'6" 20'7" 217 sq. ft.	2-303-500	None MI-CBI 11/7/42
BLACKBURN Jee I One Brit. Perseus III	405/8500 715/6500 430	205/8700/-	22.1/15000 19100	-	400/130/- 600/130/- 600/130/-	190 130 112	None 500	5910 5320 5120	20'6" 15'11" 187 sq. ft.	2-303-500 Pilot Armor only	MI-CBI 11/7/42
BONVILLE PAUL Defiant One EB-Werklin III	690/12500 1030/16450 890	304/21000/-	6.5/15000 30000	15-0 2310	580/180/- 665/260/-	125 125	None None	9132 7710	30'11" 30'0" 221 sq. ft.	2-303-500 Armor L.P. Tanks	S.A.C. 5/12/42
BONVILLE PAUL Defiant One EB-Werklin III	1100/16000 1170/21000 1230	325/20000/-	7.0/25000 32000	1350 2370	450/175/- 370/275/-	125 125	None None	6277 7765	30'11" 30'0" 221 sq. ft.	2-303	S.A.C. 5/12/42
BRISTOL Beaufighter Two Brit. Hercules XI	1300/11000 1510/11250 1500	324/21750/-	30000	1735 2500	1525/225/-	660	None	14501 22120	57'10" 43'6" 421 sq. ft.	4-20mm-283 6-303-1000 L.P. Tanks N.P. Glass	N.A.P. Layton SAC 11/8/42
BRISTOL Beaufighter Two EB-Werklin II	1160/8000 1170/21000 1290	329/20400/-	30000	2070 2505	1510/222/-	660	None	12895 20171	57'10" 43'6" 421 sq. ft.	4-20mm-283 6-303-1000 L.P. Tanks N.P. Glass	N.A.P. thru Layton SAC 11/8/42
BRISTOL Beaufighter Two Brit. Hercules VI	1300/13500 1530/15500 1610	332/25600/-	27000	1815 2550	1180/213/-	660	None	21300	57'10" 43'6" 421 sq. ft.	4-20mm-283 6-303-1000 L.P. Tanks N.P. Glass	N.A.P. thru Layton SAC 11/8/42
DEHAVILLAND Mosquito Two EB-Werklin III	1160/15000 1170/21000 1290	340/22000/-	35000	2175 2535	1205/210/-	163	1000	19820	51'6" 41'4" 420 sq. ft.	4-20mm-175 6-303-1000	N.A.P. thru Layton SAC 11/8/42
FAIRY Firefly One EB-Werklin II	1365/17000 1390/20000 1735	338/21000/-	10.2/20000 30000	1950	700/202/-	-	-	11372	41'6" 37'0" 322 sq. ft.	2-20mm-175 2-20mm-150	ONI 1/21/42 SUSSA Sept. 27/42

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

* Estimate

DECLASSIFIED
DOD DIR 5200.9, 27 Sep 58

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

Prepared by: Technical Data Laboratory, Engineering Division

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, FOREIGN

PAGE 2

DATE May 21, 1943

MODEL & MFR. ENGINE	ENG. RATINGS SERV. ALT. ALT. NO. 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 SW OBS LAND OVER SW OBS	RANGE with SPEEDS & POWER		FUEL with NORMAL	BOMBS at NORMAL MAXIMUM	WEIGHTS WT. EMPTY WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBER OF GUNS (PER GUN)	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)							
FAIRY Fulmar II One RR-Merlin 30	1210/7250 1250/8750 1200	264/9600/- 75	26.2/20000 21000	- -	- -	925/150/- -	186 -	None 500	7575 9980 -	46'0" 40'4" 378 Sq. Ft.	6-2.5-1000 or 4-50-360	Armor L.P. Tanks S.P. Glass	W.D.-X1 11/7/42
HAWKER Hurricane IIB One RR-Merlin XI	1180/18000 1170/21000 1280	335/22000/- -	5.9/15000 36600	1260 1980	- -	540/170/- 355/28/-	116 116	None None	5300 7200 7200	40'0" 31'5" 258 Sq. Ft.	12-303-500	Armor L.P. Tanks	S.A.C. 5/12/42
HAWKER Hurricane IIC One RR-Merlin XI	1180/18000 1170/21000 1280	327/20500/- -	- 36000	1770 2160	- -	480/214/- -	116	None	9655 7560 -	40'0" 31'5" 258 Sq. Ft.	4-20mm.-120	Armor L.P. Tanks	Air Tech. Sect. STOUSA Rept. No. 274 10/29/42
HAWKER Hurricane IID One RR-Merlin XI	1180/18000 1170/21000 1280	313/22000/- -	- 31600	- -	- -	460/210/- -	- -	None	- 7856 -	40'0" 31'5" 258 Sq. Ft.	2-303-600 2-10mm.-16	-	Air Tech. Sect. STOUSA Rept. No. 274 10/29/42
HAWKER Tempest I One Napier Sabre IV	1770/20000 1900/22000 2000	450/26000/- -	- 38800	1765 2460	- -	827/217/- -	230	None	- 11600 -	- -	4-20mm.-	-	M.A.P. thru Dayton SAC 11/8/42
HAWKER Tempest II One Eric. Centaurus IV	- 1780/18250 -	420/19000/- -	- 36800	1830 2445	- -	996/217/- -	230	None	- 11550 -	- -	4-20mm.-	-	M.A.P. thru Dayton SAC 11/8/42
HAWKER Typhoon IE One Napier Sabre II	1675/16250 1800/16250 2010	411/21000/- 85	7.5/20000 34600	2600 2220	- -	610/238/- 410/344/-	124 124	None None	8337 10500 10500	41'0" 32'0" 279 Sq. Ft.	12-303-500 or 4-20mm.-150	Armor L.P. Tanks S.P. Glass	M.I.D. 10/24/41 Cable 6/16/41
MARTIN-BAKER One Napier Sabre II	1675/16250 1800/16250 2010	430/15000/- -	- -	- -	- -	1 3/4 hr. endurance	- -	- -	- -	37'0" -	6-20mm.-200	-	Special Army Observ. 1/24/42
SUPERMARINE Spitfire VA One RR-Merlin XLV	1200/16000 1235/17750 1185	373/19500/- -	5.2/15000 37600	- -	- -	500/212/- -	102	None	- 6212 -	36'10" 30'0" 242 Sq. Ft.	8-303-500	Armor L.P. Tanks S.P. Glass	AAF Dayton Flight Test
SUPERMARINE Spitfire VB One RR-Merlin XLV	1200/16000 1235/17750 1185	371/20000/- -	6.6/20000 37700	1200 1830	- -	480/185/- 335/310/-	102 102	None None	4935 6160 6160	36'10" 30'0" 242 Sq. Ft.	8-303-500 2-20mm.-60	Armor L.P. Tanks S.P. Glass	S.A.C. 5/12/42

NOTES:

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

* Estimate
** At weight of 10835#
D Estimated take-off weight of 10500#

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART BRITISH FIGHTER AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 3

DATE: May 31, 1943

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 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-BRS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
SUPERMARINE Spitfire VC One RR-Merlin XV	1200/16000 1235/17750 1185	369/19500/-	- 36500	- -	1085/206/- 474/-/-	- -	None None	- -	36'10" 30'0" 242 Sq.Ft.	4-20mm.-120 L.P. Tanks	Armor E.T.C.U.S.A. Rept. No. 274 10/29/42
SUPERMARINE Spitfire VII One RR-Merlin 61	1190/25000 1300/24000 1375	405/26500/-	- 40250	2085 2220	732/233/-	144	None	8000	40'2" 31'4" 218 Sq.Ft.	4-303-350 2-20mm.-135 L.P. Tanks B.P. Glass	Armor L.P. Tanks B.P. Glass M.A.F. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One RR-Merlin 61	1190/25000 1300/24000 1375	406/26500/-	402/15000 40750	1875 2160	472/228/-	102	None	7450	36'10" - 242 Sq.Ft.	4-303-350 2-20mm.-120 L.P. Tanks B.P. Glass	Armor L.P. Tanks B.P. Glass M.A.F. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire XII One RR-Griffon II	1675/16250 1800/16250 2010	391/18000/-	- 33500	1920 2160	500/249/-	156	None	9400	40'6" - -	6-20mm.-120 L.P. Tanks B.P. Glass	Armor L.P. Tanks B.P. Glass M.A.F. thru Dayton SAC 11/8/42
WESTLAND Welkin Two RR-Merlin 61	1190/25000 1300/24000 1375	431/26000/-	- 44000	1890 2850	1560/245/-	564	None	16700	- - -	6-20mm.-120	M.A.F. thru Dayton SAC 11/8/42
WESTLAND Whirlwind Two RR-Pergrine I	860/13500 890/15000 855	338/15800/-	8.4/20000 30000	1890 2250	590/190/- 370/305/-	163 103	None None	10115 10222	45'0" 32'3" 251 Sq.Ft.	4-20mm.-60 or 12-303- L.P. Tanks B.P. Glass	Armor L.P. Tanks B.P. Glass B.A.C. 5/12/42

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

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART BRITISH, BOMBARDMENT PAGE 4
 AIRPLANE CHARACTERISTICS & PERFORMANCE DATE: May 31, 1943

MODEL & MFR. ENGINE	ENG. RATINGS	SPEEDS	CLIMB	T. O. & LAND	RANGE with		FUEL with	BOMBS at	WEIGHTS	DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE
					WIND	NO WIND							
CONT. NO. PLANES	NORMAL ALT. MIL. CRT. ALT. TAKE-OFF S. L.	HIGH ALT. H.P. LANDING	TIME TO FT. SERVIC. CEIL. CRUISE-1/2 ENG. CRT. ENG. CRT.	T. O. OVER 50 OBS. LAND OVER 50 OBS.	MAXIMUM NORMAL (WITH MAX. WIND)	MAXIMUM NORMAL (WITH MAX. WIND)	WING AREA	WING WEIGHT	WING WEIGHT	SPAN LENGTH WING AREA	NO. OF GUNS TOTAL-RIS. OF AMM. PER GUN	TYPE	
ARMS. -WHITWORTH Whitley V Two RR-Merlin X	960/13000 1010/17750 1075	225/17000/-	- - 19000	- - -	- - -	1925/170/- 1365/170/- 1070/170/-	- - -	1200 3500 7500	- 30000 -	64'0" 65'11" 1255 Sq.Ft.	1-303-500 1-303-1000	-	Air Tech. Sec. STUSA Rept. No. 27L 10/2/42
AVRO Lancaster I Four RR-Merlin XI	1180/18000 1170/21000 1280	250/20000/-	16.5/17000 a. 25000 b. 20500	1200 2500	-	2000/185/- 2010/185/- 1130/185/-	2000 2014 1033	3000 3000 10750	55300 50000 50000	102'0" 67'11" 1297 Sq.Ft.	1-303-2500 1-303-1000 2-303-500	Armor L.P. Tanks E.P. Glass	A.O./R.D.T.I N.A.P.
AVRO Lancaster II Four Bris. Hercules VI	1300/13500 1550/15500 1610	251/12500/-	20/13000 a. 21000 b. 25000	3000 2400	-	2500/105/- 2150/105/- 1075/105/-	2000 2500 1200	None 3000 12750	37000 33000 33000	102'0" 67'11" 1297 Sq.Ft.	1-303-2500 1-303-1000 2-303-500	Armor L.P. Tanks E.P. Glass	A.O./R.D.T.I N.A.P.
BRISTOL Beaufort I Two Bristol Taurus VI	985/3750 1130/3500 1085	270/3500/-	- - 19500	- -	-	1785/195/-	- -	- 500	19000 -	50'0" 44'7" 503 Sq.Ft.	2-303-100 2-303-500	-	Air Tech. Sec. STUSA Rept. No. 27L 10/2/42
BRISTOL Blenheim IV Two Bristol Mercury XV	- 825/13000 920	256/15000/-	7/10000 27000	- -	-	1140/270/750	- 720 335	- 1100 1600	6250 -	56'4" 48'0" 469 Sq.Ft.	1-303	Armor L.P. Tanks	Aeroplane 3/23/40 N.A.P. 3/23/41
BRISTOL Blenheim V Bristol Mercury XV	- 825/13000 920	214/8000/-	- - 19500	- -	-	1230/170/-	- -	- 1000	- 17000	56'4" 48'0" 469 Sq.Ft.	1-303-100 1-303-1000	-	Air Tech. Sec. STUSA Rept. No. 27L 10/2/42
BRISTOL Buckingham Two Bris. Centaurus IV	- 1780/18250	330/13250/-	16.0/15000 a. 22500 b. 27200	4350 2400	-	3500/215/- 1670/215/- 1670/215/-	1890 1260 1260	None 4000 4000	21270 36000 36550 36550	71'0.6" 46'5" 710 Sq.Ft.	2-303-1000 2-303-700	-	A.O./R.D.T.I N.A.P.
DeHAVILLAND Mosquito MK V Two RR-Merlin XIII	1180/18000 1170/21000 1280	370/22200/-	1/1700 28500 *	2650 2400	-	1720/-/- 1610/-/-	- 643 643	- 2000 2500	15120 20500 21310	51'2" 41'2" 450 Sq.Ft.	None	Armor L.P. Tanks E.P. Glass	I.T.M. #11 STUSA Rept. No. 27L 10/2/42
FAIRY Albacore One Bris. Taurus XII	985/3750 1130/3500 1085	170/1800/-	10.3/10000 11400	- -	-	790/114/- 680/105/-	234 -	None 1500	7103 9900 12400	50'0" 40'0" 607 Sq.Ft.	1-303-100 2-303-750	Armor L.P. Tanks	MIL-ONI 11/7/42
FAIRY Barracuda One RR-Merlin 30	1240/7250 1260/8750 1300	235/11000/-	- - 21000	- -	-	655/138/-	- -	- 1610	- 13177	- -	3-303 1-303-500 (Reconn. Only)	-	Air Tech. Sec. STUSA Rept. No. 27L 10/2/42

NOTES:
 * Operational ceiling: 500 ft./min rate of climb
 ** Normal recon. load
 a Service ceiling at maximum weight
 b Service ceiling at mean weight
 c Maximum weight at take-off
 d High speed in test on MK IV at Wright Field was 365/20,500 ft.

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

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL		MONTHLY CHART										BRITISH, BOMBARDMENT		PAGE 5	
BRITISH, BOMBARDMENT		AIRPLANE CHARACTERISTICS & PERFORMANCE										DATE: May 31, 1943			
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. CHL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 99 OBS. LAND OVER 99 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	NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT HEIGHT						
FAIRY Swordfish One Bris. Pegasus III or 30	- -	114/5500/- 74.8	12.6/1000 17000	- -	**672/103.5 466/103.5	201 201	- -	None 1500	- -	510L 7853 9215	45'6" 36'4" 607 Sq. Ft.	2-.303- 600	L.P. Tanks Only	11/7/42	
HANLEY PAGE Halifax II Four BR-Merlin XI	1180/12000 1170/21000 1280	258/19000/- -	25.0/15000 a. 21000 b. 25000	3900 2550	2260/195/- 1785/195/- 650/195/-	2815 2254 936	None 1250 13000	- -	- -	36255 55000 59000	99'0" 70'1" 1250 Sq. Ft.	10-.303-1000 4500 Rds. Res.	Armor L.P. Tanks B.P. Glass	A.S./N.A.P.	
HANLEY PAGE Halifax III Four Bris. Hercules VI	1300/13500 1530/15500 1610	270/15500/- -	25.0/15000 a. 19000 b. 23000	3900 2700	2510/-/- 1810/-/- 630/-/-	3090 2264 924	None 1650 13000	- -	- -	37700 55000 63000	99'0" 70'1" 1250 Sq. Ft.	10-.303-1000 4500 Rds. Res.	Armor L.P. Tanks B.P. Glass	A.S./N.A.P.	
HANLEY PAGE Hampden Two Bris. Pegasus XVIII	750/11750 885/15000 965	239/13400/- 73	26.5/15000 19000	3300	1720/-/- 700/-/-	785 376	2000 5000	- -	- -	10764 22500 22500	60'8" 53'4" 737 Sq. Ft.	6-.303	L.P. Tanks	B.A.P. 5/10/42	
SHORT Shetland Four Bris. Centaurus 3 S.M.	1650/19000 2000/20000 2100	212/13250/- -	8.7/5000 a. 12500 b. 17000	- -	3620/-/- 2920/-/- 1130/-/-	7000 5690 2520	None 4000 21000	- -	- -	71000 120000 120000	150'6" 110'0" 2676 Sq. Ft.	4-.50- 1000 4-.50- 750 4-.50- 300	-	A.S./N.A.P. N.A.P.	
SHORT Stirling I Four Bris. Hercules XI	1200/14000 1510/11850 1590	265/10500/- -	34.3/15000 a. 16500 b. 20500	4200 3300	2125/200/- 2050/200/- 915/200/-	3230 2706 1392	2250 5750 11200	- -	- -	45200 70000 70000 70000	99'0" 87'0" 1160 Sq. Ft.	6-.303- 1000	Armor L.P. Tanks B.P. Glass	A.S./N.A.P. N.A.P.	
SHORT Stirling III Four Bris. Hercules VI	1300/13500 1530/13500 1610	285/13500/- -	25.4/15000 a. 12500 b. 23000	4200 3300	2145/200/- 2015/200/- 820/200/-	3230 2706 1314	1500 5000 11000	- -	- -	42500 70000 70000 70000	99'0" 87'0" 1160 Sq. Ft.	10-.303- 1000	Armor L.P. Tanks B.P. Glass	A.S./N.A.P. N.A.P.	
SHORT Sunderland III Four Bris. Pegasus XVIII	750/11750 885/13000 965	196/3000/- -	- a. 11700 b. 15600	9900	2970/-/- 2300/-/- 1885/-/-	3060 2966 2235	None 1300 4000	- -	- -	51517 50000 50000 54000	112'0" 85'4" 1627 Sq. Ft.	6-.303- 1000 4-.303- 700	Armor L.P. Tanks B.P. Glass	A.S./N.A.P. N.A.P.	
SHORT Sunderland IV Four Bris. Hercules XVII	- 1675/1500/- -	264/15500/- -	6.5/5000 a. 11500 b. 19000	6600	3135/-/- 2845/-/- 3545/-/-	4080 3710 3450	None 1900 4000	- -	- -	48910 73350 73350	112'0" 85'4" 1627 Sq. Ft.	6-.303- 1000 4-.303- 700	Armor L.P. Tanks B.P. Glass	A.S./N.A.P. N.A.P.	
VICKERS Warwick I Two P.W. Wasp SIAI-G	- 1500/14000 -	213/14000/- -	- 20000	4500 3300	1780/120/- 1140/120/- 346/120/-	1158 1223 752	3675 5275 3000	- -	- -	25750 46000 46000 46000	98'0" 73'4" 1020 Sq. Ft.	4-.303- 2000 4-.303- 1000 2-.303- 500	-	A.S./N.A.P. N.A.P.	

NOTES:
a. Service ceiling at maximum weight
b. Service ceiling at mean weight
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

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL
BRITISH, COMBATMENT

MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, COMBATMENT

PAGE 6

DATE: May 31, 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL/ALT. ML./CRIT. ALT. TAKE-OFF & L.	SPEEDS HIGH/ALT./HP. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1.2 ENGINES ONLY	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 WEIGHT
VICKERS Warwick II Two Bris. Centaurus IV	- 1775/18400	277/20000/-	20.0/15000 a. 23000 b. 25600	3000 3300	1675/180/- 1380/180/- 1070/180/-	1458 1225 978	5100 6600 8000	29000 47500 47500	96'8" 72'4" 1020 Sq. Ft.	2-303-1000 2-303-500	-	A. D./R. D. T. I M. A. P.
VICKERS Wellington 1c Two Bris. Pegasus XVIII	750/14750 895/15000 965	235/15500/-	- 15000	- -	2550/155/- 1805/155/- 1200/155/-	- - -	1000 2750 4500	- 30000 -	86'0" 60'10" 830 Sq. Ft.	2-303-1000	-	Air Tech. Sec ETUSA Rept. No. 274 10/29/42
VICKERS Wellington II Two BR-Merlin I	960/13000 1010/17750 1075	244/17000/-	33.5/15000 18000	1050 -	1980/195/- -	900 737	3500 4500	20050 32000 32000	86'0" 60'10" 830 Sq. Ft.	1-303-100 2-303-500	Yes	B. A. C. 5/12/42
VICKERS Wellington III Two Bris. Hercules II	1200/14000 1510/11250 1590	253/11500/-	- 20000	- -	2200/155/- 1500/155/- -	- - -	1500 4500 -	- 31500 -	86'0" 60'10" 830 Sq. Ft.	2-303-1000	-	Air Tech. Sec ETUSA Rept. No. 274 10/29/42
VICKERS Wellington VI Two BR-Merlin IX	1035/30000 1035/30000 1225	312/32000/-	65/35000 a. 36700 b. 36500	3078 2355	- - -	- - -	- - 1500	20250 - 31500	86'2" 82'5" 840 Sq. Ft.	1-303-1000	-	A. D./R. D. T. I M. A. P.
VICKERS Wellington X Two Bris. Hercules VI	1300/13500 1530/15500 1610	265/15500/-	22.0/15000 a. 20500 b. 24000	2850 2550	2110/185/- 1490/185/- -	1236 900 -	1500 4500 -	- 31500 -	86'0" 60'10" 830 Sq. Ft.	2-303-1000 2-303-500	-	A. D./R. D. T. I M. A. P.

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

a. Service ceiling at maximum weight
b. Service ceiling at mean weight
/ Maximum weight at take-off

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART BRITISH - FIGHTERS (U.S. BUILT) PAGE 7

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

DATE: May 31, 1943

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MIL. CRIT. ALT. TAKE-OFF S. I.	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 MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NOSE NORMAL MAXIMUM				
BELL P-400 "AIRACORNA -1"	1000/11000 1150/11800 1150	358/12400	5.1/10000 29000	-	-	195-(U.S.) 120-(U.S.)	5878 7582 7635	34'0" 29'9" 213 sq. ft.	4-.50-1000 2-.50-270 8-20mm-60	-	AAEE-774 AFIU-80, 81
One W-1710-24 CURTISS HK-61A "TOMAHAWK I"	-	-	-	-	-	-	-	-	2-.50 4-.303	-	AAEE-763, a
One W-1710-0-15 CURTISS HK-61A "TOMAHAWK II"	-	343/16000 83	7.7/15000 31600	1320	-	158 101	-	-	2-.50 4-.30	-	AAEE-763
One W-1710-015 CURTISS HK-67A "HITTYHAWK I"	1000/11000 1150/11800 1150	332/14400 322/16200	11.2/20000 28700	-	a b	1060/-/- 650/-/-	199 148	5973 8866 8180	6-.50-21600	-	AAEE-783
One W-1710-038 CURTISS HK- "HITTYHAWK II"	1010/16000 1120/16500 1300	354/20100	10.9/20000 31300	-	-	209 156	8120 Test 6182	256 sq. ft.	-	-	AAEE-783, a
One W-1650-1 DOUGLAS DB-7 "HAWK I"	1000/12500 1050/13100 1200	-	-	-	-	-	11775 15332	61'4" 47'3" 1465 sq. ft.	-	-	-
Two B-1830-81C1G DOUGLAS DB-7 "HAWK II"	1275/11500 1600	329/13000	-	2610 **	-	326 458	11114 17741 18751	46'10"	-	-	AAEE-771
Two B-2600-ASB GRUMMAN G-36 "MARTLETT I"	900/15200 1200	-	-	1560	-	-	-	-	4-.50-	-	AAEE-762
One B-1820-82C5A GRUMMAN G-36 "MARTLETT II"	1000/12500 1050/13100 1200	-	-	1710	890/-/-	160 130	5499 7790 7550	38'3" 29'1" 261 sq. ft.	6-.50-225	-	AAEE-762, a
One B-1830-53C1G GRUMMAN G-36 "MARTLETT III"	-	NO DATA	AVAILABLE	-	-	-	-	-	-	-	NO DATA AVAILABLE

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

*-Tested with Jettisonable fuel tank Gr. Wt. 8810#
**At 17500# and 0° flap
b-allowance made for warm up, take off, etc.
#-Still air range.
a-Another test at 7500# gave 351 MPH
β-At weight = 6366#

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART BRITISH - FIGHTERS (U.S. BUILT) PAGE 8

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE DATE: May 31, 1943

BRITISH - FIGHTERS (U.S. BUILT)

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.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				
GRUMMAN WARTLETT IV One R-1320-205A-3	- - -	- - -	- - -	- - -	- - -	- - -	- - -	5591 7760 -	- - -	2-.50-470 2-.50-450 2-.50-500	AAEE/762,b
NORTH AMERICAN NA-73 "MUSTANG I" One W-1710-03E	1000/11000 1150/11500 1150	370/15000 -	7.3/15000 30000 -	1920 -	960 / - / - -	141 (U.S.) -	- -	8625 -	- -	2-.30-700 2-.30-500 2-.50-300 2-.50-200	AAEE/781

NOTES: * 15° flap for takeoff. a One tank labelled 84 U.S. gals. would hold only 72 gals.

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART

BRITISH - BOMBARDMENT (U.S. BUILT)

PAGE 9

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: May 31, 1943

MODEL & MFR. ENGINE	ENG. RATINGS	SPEEDS	CLIMB	T. O. & LAND	RANGE			FUEL	with	BOMBS	WT.	DIMENSIONS	ARMAMENT	COMBAT PROT.	REFERENCE
					with	with	with								
CONT. NO. PLANES	NORMAL ALT. MIL. CRT. ALT. TAKE-OFF S. L.	HIGH ALT. H.P. LANDING	TIME TO FT. SERV. CELL. CELL - 1/2 ENDS. OUT	T.O. OVER 50' OBS. LAND OVER 50' OBS.	MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	WT. EMPTY WEIGHT WEIGHT WEIGHT	SPAN LENGTH WING AREA	NO. OF GUNS - 1/4 - 1/2 IN. OF AMM. PER GUN	TYPE				
LOCKHEED 414 "HUDSON III" Two R-1820-G205A	900/15200 1200	253/15100	-	2100	13 hrs. 7.5 hrs.	490 641	-	-	-	-	-	55'6" 44'3" 591 Sq. Ft.	2-303-1500 3-303-900 Tot. 2-303-2000	-	AAEE/759, d.
LOCKHEED 414 "HUDSON IV" Two R-1830-SC36	- -	260/10000	12.0/10000	2600	-	-	-	-	-	-	20000 Test	-	-	-	AAEE/759, d.
LOCKHEED 414 "HUDSON V" Two R-1830-3504-B	1000/12500 1050/13100 1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOCKHEED VEGA 37 "VENTURA" Two R-2500-S1A4G	1500/7500 1850/2700 1850	-	-	-	-	-	965	2500	-	17668	26700	-	4-303-1000 2-303-750 2-50-250	-	AAEE/790
MARTIN 167 MARYLAND I Two R-1830-SC36	900/12000 1050/7700	294/9000 80	12.1/15000 27850	1560	1270/175/ -	-	750 U.S.	-	-	11000 17850 15870	17890 Test	51'4" 46'8" 542 Sq. Ft.	6-303-500	-	AAEE/765
MARTIN 167 MARYLAND II Two R-1830-	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE
MARTIN 187 BALTIMORE I Two R-2600-A5B5	1275/11500 1600	-	-	-	-	-	-	-	-	-	-	-	4-30 2-30-500 2-30-400 2-30-400	-	-
MARTIN 187 BALTIMORE II Two R-2600	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE	NO DATA AVAILABLE
MARTIN 187 BALTIMORE III Two R-2600-A5B5	1275/11500 1600	301/10400	10.5/11400 23500	-	770/ - / -	-	1288	2000	-	20330	-	-	-	-	AAEE/780, a.
NORTH AMERICAN NA90 MITCHELL I Two R-2500-G	1350/13000 1450/12000 1700	-	-	-	-	-	-	-	-	-	-	-	-	-	AAEE/794

NOTES:
 * - At 20500#
 a - ALLOWING 91 U.S. gal. for takeoff, etc.
 # - Range given is practical range = 75% still air range
 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

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART

BRITISH - EQUIPMENT (U.S. BUILT)

PAGE 10

CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - EQUIPMENT (U.S. BUILT)

DATE May 31, 1945

MODEL & MFR. ENGINE	ENG. RATINGS NORMAL ALT. MDL CRIT. ALT. TAKE-OFF'S L.	SPEEDS HIGH ALT H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL. -1.2 ENGL. OUT	T.O. & LAND T.O. OVER SW OBS. LAND OVER SW OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -4 IN. SIGS OF AMM PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT WEIGHT
BOYING 399Y "FORTRESS II" Four B-1820-65	1000/25000 1200/25000 1200	300/25000/-	15.1/15000	2850 2100	2650/190/- 2350/190/- 1815/190/-	2520 2100 1738	- 3700 7400	22665	2-50-150 2-50-150 2-50-200 2-50-	-	AAAE/770,a and AG/R/IT1	
CONSOLIDATED 2 B "CATALINA" Two B-1830-					NO DATA AVAILABLE							
CONSOLIDATED-1b-30 "LIBERATOR I" Four B-1830-S301G	1000/12500 1050/13100 1200	-	-	2800	-	-	-	-	110'0" 60'0" 104 Sq. Ft.	-	AAAE/769	
CONSOLIDATED-1b-30 "LIBERATOR II" Four B-1830-S301G	1000/17500 1050/13100 1200	250/14000/-	-	-	2200/-/-	-	8000	-	4- 303-500 + 600 res. 4- 303-2200 4- 303-1000 2- 303- 500	-	R. P. D. U. No 144	
CONSOLIDATED-1b-30 "LIBERATOR III" Four B-1830-43	1100/25000 1200/25000 1200	305/25000/-	25.0/10000	3885	3000/-/- 2100/-/- 1540/-/-	3120 2270 1610	None 1200 8000	33500	-	-	AAAE/769,a	
DOUGLAS DB-7 "BOSTON I" Two B-1830-S03G	900/12000 1000/11500 1050	307/10000/-	13/20000	2025	2110/-/- 1750/-/- 880/180/-	-	-	-	-	-	-	
DOUGLAS DB-7 "BOSTON II" Two B-1830	-	-	-	-	-	-	-	-	-	-	-	
DOUGLAS DB-7 "BOSTON III" Two B-2600-A5B	1275/11500 1500	312/13000/-	-	3540 a. 2835 b.	620/170/- 620/170/-	512 382 526	- 2000 2000	15718 23000 21550 22490	61'4" 47'13" 165 Sq. Ft.	4- 303-500 4- 20mm-50 2- 303-500	-	AAAE/752,c
LOCKHEED 214 "HUDSON I" Two B-1820-G102A	900/6700 1100	239/8000/-	-	2970	-	-	-	-	-	-	-	AAAE/739
LOCKHEED-114 "HUDSON II" Two B-1820-G102A	900/6700 1100	-	-	-	-	-	-	20500 - test	-	-	-	AAAE/

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

* At 53000# gross weight
** Estimated
a At 23000# gross weight with 15° flap
b At 21500# gross weight with 15° flap
c Armament used in "INTRODUCER" version
d At 17500# gross weight

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

WF-1-41-222

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART BRITISH - BOMBARDMENT (U.S. BUILT) PAGE 11
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE DATE: May 31, 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. ML. 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 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	NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT	WT. FULL WEIGHT WEIGHT						
ROBEY AMERICAN M4-90 MITCHELL II Two B-2600-13	1350/13000 1150/12000 1700	294/11500	10.8/15000 26700	- -	- -	- -	- -	- -	- -	- -	26000 - test	- -	2-.50 - 2-.50 - 1-.30 -	- -	AAEE-774A	
WRIGHT SIMONBY V-156 CHEAPAKEE I One B-1535-3B4G	750/9800 825	222/1700	20.0/10000 16000	2300 -	1170/-/-	215 (U.S.)	500	9000	- -	1-.30 - 1-.30-1400	- -	AAEE-773				
WRIGHT - SIMONBY KNOXFIELD I One B-955-4B-2	- -	** 163/3900	** 29.2/10000 11600	** 2130 -	730/106/- 110/106/-	211 100 80	- 500	3620 1690 2435	- -	1-.30-500 1-.30-600	- -	AAEE-789				
WALTER VINGRANCE I One B-2600-45B-5	- -	- -	- -	- -	- -	- -	- -	- -	- -	6-.30 -	-					

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

* At 9000ft
** At max. gross weight

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMAN - FIGHTER

PAGE 12

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH/ALT./HP. 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	
					with SPEEDS % POWER		NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)						
<u>BOE WOLF P.W. 190</u> One S.M.W. 801D	- / - 1180/17000 1580	390/20000 / - 110	4.75/16500 37000 -	900 1500	525/300 / - 375/335 / - -	- 138 -	- 550	6210 8560 -	34'5" 29'4" 194 Sq. Ft.	2-20mm-200 2-20mm-60 2-7.9mm-1000	ALL	Tech. Rep. 234 Int. Sum. #17 R.A.E. Rep. #2075
<u>MESSERSCHMITT ME109F</u> One Main. Benz UB601N	1270/16000 1200	371/22000 / - 93	3300 (init) 37800 -	1000 1800	600/262 / - 370/307 / - -	- 105 -	- 550	1710 6000 -	33'0" 29'8" 174 Sq. Ft.	1-20mm-200 2-7.9mm-500	ALL	Aeroplane 2-6-42
<u>MESSERSCHMITT ME109E</u> One Main. Benz UB601E	1350/16000 1325	354/14760 / - 90	3100 (init) 36000 -	1000 1800	725/285 / - 375/340 / - 355/285 / -	185 105 105	None None 550	4360 5400 -	32'8" 28'8" 174 Sq. Ft.	2-20mm-60 2-7.9mm-1000	ALL	Aeroplane 2-6-42
<u>MESSERSCHMITT ME109G2</u> One Main. Benz UB 605A-1	- 1150/16500	400/20000 / - -	4.75/16500 41000 -	- -	1000 / - / - 600 / - / -	- 102	- None	4380 6200 -	33'0" 29'8" 174 Sq. Ft.	2-7.9mm-100 1-20mm-200	ALL	Inter. Intell Summary #15-4a
<u>MESSERSCHMITT ME110</u> Two Main. Benz UB601N	1270/16000 1200	365/19000 / - 90	10.1/20000 31500 -	1000 1750	1500/215 / - 685/285 / - 545/250 / -	700 480 480	None 1100 1100	- 11800 -	53'5" 40'0" 411 Sq. Ft.	2-20mm-180 4-7.9mm-1000 1-7.9mm-750	ALL	German Airc. Intell Report #3-42
<u>MESSERSCHMITT ME 210</u> Two Main. Benz UB601F	- 1120/15000	368/20000 / - 95	10.6/16500 33000 -	- -	1700/227 / - 1300/323 / -	800 660	- 1100	- 20250 -	53'6" 40'3" 390 Sq. Ft.	2-20mm-200 2-7.9mm-500 2-13mm-500	ALL	M10 Rept. #50155
<u>HINKEL HE 113</u> One Main. Benz UB603	- 1325	385 / - / - -	3300 (init) 39000 -	- -	- -	- -	- -	- -	30'10" 26'10" 156 Sq. Ft.	1-20mm- 2-7.9mm-	ALL	German Airc. Intell Report 3/42
<u>JUNKERS - JU 88</u> Two Jumo 211J	- 1260/12500	295/14000 / - -	13.8/16500 31800 -	2340 2232	762/246 / - 654/278 / -	- 440	- None	15000 21000 -	66'0" 47'0" 590 Sq. Ft.	6-7.9mm 2-20mm	ALL	Air Publication 1976

NOTES:
AC-ARMY CORPS
DA-DEFENSE AID
PO-PURCHASE ORDER

* Estimate
** Night Fighter

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMAN BOMBERS

PAGE 13

CONFIDENTIAL
 GERMAN BOMBERS

DATE May 31, 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	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 50 OBS. LAND OVER 50 OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—DIMS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT WEIGHT
<u>HEINER D.O. 217E</u> Two D.M.W. 501 Germany	1480/1470 1600	320/17000 75	- 25000	- -	2000/-/- 1000/-/-	1650 750	- 6500 8000	- 33500 -	62'15" 56'6" 610 Sq. Ft.	1-20mm - 1-15mm - 4-7.9mm-	ALL	M.I.D. Report #15327
<u>HEINKEL HE 111K</u> Two D.B. 601A Germany	1050/12300 1150/12300 1175	274/12300 80	16/15000 23600	- -	2640/230/ 65% 2350/230/ 58%	1321 1056	- 2200 4400	12836 24216 27217	75'6" 56'0" 913 Sq. Ft.	6-7.9mm-500	ALL	Foreign Projects Reports #103(11/41)
<u>JUNKERS J 88A-6</u> Two Jumo 211G Germany	- 1200	281/16000 80	- 26700	- 2000	*2000/-/- *1150/-/- *550/-/-	945 765	- 4400 -	*16000 - 21350 28500	65'7" 47'1" 563 Sq. Ft.	4-7.9mm-550	ALL	Flight 4-17-42
<u>FOCKER WULF FW 200</u> Four D.M.F. 323 Germany	760/15000 830/15000 1000	261/15000 -	11.7/15000 27400	- -	-/-/- 2910/218/-	- 2112	- 4400 11000	21860 - 38500 48500	108'0" 78'0" 1290 Sq. Ft.	6-7.9mm- 1-30mm-	ALL	Foreign Projects Report #107
<u>JUNKERS JU 87D-1</u> One Jumo 211F Germany	- 1075/13250	245/13800 -	10/15000 21500	- -	*850/200/- *400/205/- *350/200/-	230 110 110	- 1100 3960	*6100 - 19300	45'4" 35'6" 344 Sq. Ft.	4-7.9mm	ALL	Infor. Intell. Summary #12-4
<u>HEINKEL HE 177</u> Four D.B. 601E Germany	- 1325	310/-/- 90	32/19685 26000	4000 -	3100/250/- 1860/-/- 1200/250/-	3500 1575	2210 12000 13440	35000 65000 82000	103'0" 67'0" 1660 Sq. Ft.	5-7.9mm-	ALL	Report #42936
<u>DERNIER D 17Z</u> Two D.B. 601A Germany	1050/12300 1150/12300 1175	310/15000 70	9.0/13110 29290	- -	1200/-/- 850/-/-	530 270	1100 2200	11444 - 19000	59'0" 53'6" 554 Sq. Ft.	6-7.9mm-	ALL	M.I.D. 10-23-41
** <u>JUNKERS JU-86P-1</u> Two Junkers Jumo 207	1000/20000 -	275/30000 -	- 12600	- -	1750/-/- 1500/-/-	- -	- 1760 2200	- *22900	78'0" 53'0" 900 Sq. Ft.	None	None	Air Minist. Summary #126
<u>HENSCHEL HS 129</u> Two Gnome Rhone 11M	730/8800 850/14900 800	*210/6000 -	- 30000	2610 1965	*200/-/- -	*180 -	*630 770	- *9000	50'0" 38'0" 350 Sq. Ft.	2-7.9mm-1000 2-20mm-250 1-30mm-30	Armor	Rept. #2083
*** <u>JUNKERS JU-52/3M</u> Three D.M.W. 132D	800/10000 800	180/5500 62	- 20000	1350 900	1070/110/- 780/120/- 250/120/-	750 530 230	3000 5000 7500	12720 - 20300 23000	97'0" 62'0" 1070 Sq. Ft.	2-7.9mm	-	USAAF 9/42

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

* Estimate
 ** Pressure Cabin
 *** Troop Transport

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

MONTHLY CHART ITALY, FIGHTERS & BOMBERS PAGE 14
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

ITALY, FIGHTERS & BOMBERS

DATE May 31, 1943

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 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 WEIGHT WEIGHT								
FIAT G-50 One Fiat A7L-RO-36 Fighter	840/12150 870	270/14500/- 72	6.7/19680 32000	-	120/118/- 260/250/- 195/250/-	86 71 59	- 0 317	- 5200 5450	1188	35'0" 25'7" 196 Sq. Ft.	2-12.7mm-150 2-7.7mm-	Armor For Pilot	Foreign Development			
MACCHI No 200 One Fiat A7L-RO-36 Fighter	840/12150 870	305/15000/- 79	6.5/19680 33000	-	1000/170/- 280/255/- 370/262/-	163 71 68	- 0 317	3910 4950 5440	3910	34'8" 26'10" 160 Sq. Ft.	2-12.7mm-350 2-7.7mm-	-	Foreign Development			
MACCHI No 202 One Daimler-Benz DB-601B Fighter	1100/16000 1150	350/18000/- -	6.5/18000 35000	-	670/190/- 160/307/- -	110 80 -	- 0 -	6300 -	6300	35'0" 29'11" 161 Sq. Ft.	2-12.7mm- 2-7.7mm-	Semi-Armor For Pilot	Foreign Development			
FIAT CR 42 One Fiat A7L-RO-36 Fighter	840/12150 870	270/13000/- -	8.33/19680 32800	-	550/155/- 160/232/- -	115 115 -	211 0 -	3900 5300 5100	3900	31'10" 27'3" 211 Sq. Ft.	2-12.7mm-500	Ineffective	Foreign Development			
SAVIA MARCHET.-SM79 3 Piaggio P11-RO-40 Bomber	1000/13123 1000	236/16100/- -	15.5/16100 26200	-	1240/253/- -	2134 700 -	- 2200 14400	16750 21610	16750	69'9" 52'3" 667 Sq. Ft.	3-12.7mm-500 2-7.7mm-	Armor L.P. Tanks	Foreign Development			
FIAT BR-20 2 Fiat ASO RO-41 Bomber	1000/13145 1030	258/16100/- -	18/16100 2529	-	1850/167/- 1150/220/- 1300/217/-	967 675 767	2200 2200 3500	14532 25200 25200	14532	70'6" 52'10" 796 Sq. Ft.	2-7.7mm-600 1-12.7mm-	Armor L.P. Tanks	Foreign Development			
CASTOR 2-1007 Bis 3 P11-RO-40, Piaggio Bomber	1000/13123 1000	280/13100/- -	10.5/13100 31000	-	3100/234/- 930/195/- -	1170 700 -	- 2640 4410	19000 29630	19000	81'4" 60'4" 793 Sq. Ft.	2-12.7mm-	None	Foreign Development			
SAVIA MARCHET.-SM-82 3 Alfa-Romeo 125 RC 21 Bomber Transport	880/2200 950	230/8200/- -	650 PM Init 20000	-	2500/145/- 950/218/- 700/218/-	1170 850 667	1500 5500 6600	19500 31900 31900	19500	97'6" 73'6" 1276 Sq. Ft.	3-7.7mm- 2-12.7mm-	None	Foreign Development			
PIAGGIO P-108 4 Piaggio P11-RO35 Bomber	1300/- -	290/13100/- -	16.2/13000 23000	-	1550/250/- 900/250/- -	2060 1250 -	- 11400 10000	57000	57000	108'3" 81'6" -	6-12.7mm- 2-7.7mm-	None	Foreign Development			
BENIATHE BE-20C1 1 Daimler Benz DB-601B Fighter	1150/16000 1150	350/20000/- -	8.3/18000 36000 None	-	850/-/- -	175 -	- -	7000	7000	36'9" 29'3" 235 Sq. Ft.	2-7.7mm-600 2-12.7mm-300	Armor	Foreign Development			

NOTES
AC-AIR CORP'S
DA-DEFENSE AID
PO-PURCHASE ORDER

* Estimated

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

PAGE 15

DATE: May 31, 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL/ALT. SUL. CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./B.P. LANDING	CLIMB TIME TO-FT. SERV. CEIL. CEL. -1/3 ENGS. OUT	T.O. & LAND T.O. OVER 3/4 DIS. LAND OVER 3/4 DIS.	RANGE with FUEL with BOMBS at WEIGHTS		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)					NONE NORMAL MAXIMUM
TYPE 97 50Y NATE ONE HIRARI FIGHTER	500/13000	250/13000/-	3600 FPM 34000'	-	800/220/- 420/235/-	101* 80	-	3250 5000 4400	35'7" 24'4"	4-7.7mm - 550	NONE For. Equip
TYPE 0 50Y 50KE ONE NAKAJIMA SAKAE 12 NZ-1 FIGHTER	950/13750	320/12000/-	2750/ S.L. 38500	-	1450/119/- 895/116/-	205* 199	-	3718 6136 5555	39'5" 29'7" 248 Sq.Ft.	2-7.7mm - 500 2-20mm - 60	NONE * *
TYPE 0 50Y 50AF ONE NAKAJIMA SAKAE 21 FIGHTER	945/17800 1060/15000	350/17000/-	3200/ S.L. 40200	-	1680/116/- 1180/153/-	228* 111	-	3913 6331 5750	36'6" 29'8" 238 Sq.Ft.	2-7.7mm - 600 2-20mm - 60	NONE * *
TYPE 1 50Y 50SCAR ONE NAKAJIMA SAKAE 21 FIGHTER	945/17800 1060/15000	350/17000/-	3200/ S.L. 40200	-	1680/116/- 1130/153/-	228* 111	-	3913 6331 5750	36'6" 29'8" 238 Sq.Ft.	2-7.7mm - 600 2-20mm - 60	L.P. (Ineffective) * *
TYPE 99 2/8 VAL ONE KINBEI 14 DIVE BOMBER	1060/ 6500	220/ 7500/-	27000	-	1300/110/- 875/197/-	115 271	-	5900 - 8070	48 37 -	3-7.7mm -	NONE * *
TYPE 97 1/8 SATE ONE NAKAJIMA SAKAE 11 TURP. BOMBER	1000/ - / -	230/10000/-	21000	-	1350/130/- 950/130/-	-	600 1760	4830 8392	52 34 -	2-7.7mm - 600 1-7.7 - 300	NONE * *
TYPE 97 4/8 SALLY TWO KINBEI MED. BOMBER	870/ 10000/-	270/10000/-	2.1/3300'	-	2110/150/- 1230/150/-	610 651	2000 4400	- -	72 52 -	7-7.7mm - (300-700 Rds.)	NONE * *
TYPE 1 4/8 BUNTY TWO KAGI 15 MED. BOMB	1100/ - / -	280/13500/-	30000	-	3000/180/- 1800/150/-	1554 756	- 1760	14722 27500 20412	79'8" 64' -	3-7.7mm -300 1- 20mm - 90	L.P. (Ineffective) * *
TYPE 0 50Y 50P RIFE ONE NAKAJIMA I SAKAE 12NZ-1 SEAPLANE FIGHTER	950/13750/-	250/15000/-	2500/ S.L. 36500	-	1150/119/- 895/116/-	** 225 199	-	1115 6136 5900	39'5" 33'2" 248 Sq.Ft.	2-7.7mm -500 2-20mm - 60	-
TYPE 0 R 50P 50TE ONE SUISAI 13 REC.FLOAT PLANE	-	200/ 9000/-	26000	-	-	-	-	4192 5623	37' 26'6"	2-7.7mm - 500 117.7mm - 700	NONE -

NOTES: * - Jettisonable fuel tank.
 ** - Extra fuel carried in main float.
 X - This is 0 50Y 50KE equipped with 1 main and two wing tip floats.

JAPANESE DO NOT USE NAME OF MANUFACTURERS IN DESIGNATING THEIR AIRCRAFT

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL
JAPANESE AIR FORCE

MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: May 21, 1943

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 - WIND & SPEEDS & POWER			WEIGHTS MAXIMUM EMPTY	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS & TYPE NO. OF ROCKETS & TYPE	CORRECT PROT.	REFERENCE	
					WIND NORMAL	FUEL NORMAL	BOMBES NORMAL						
TYPE 97 F/E FOUR KIUSUI L3 FLY BOAT	WAVIS - 300/15000/-	160/13000/-	- 25000	- -	2100/110/- 1900/127/- 1750/110/-	- - -	550 1757 1347	- - 3500	20000 5000 6000	152" 80"	14-1.7mm 1-4.7mm	None	FOR. QUOTE.

NOTES:

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

JAPANESE DO NOT USE NAME OF MANUFACTURER
IN DESIGNATING THEIR AIRCRAFT

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

Prepared by: Technical Data Laboratory, Engineering Division

CONFIDENTIAL

THIS PAGE IS UNCLASSIFIED

THIS PAGE IS UNCLASSIFIED

CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

RUSSIAN AIR FORCE

PAGE 17

DATE: May 31, 1942

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 30' OBS. LAND OVER 30' OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS —CAL.—EDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
1-16 M-63 Engine Fighter	- 1000	290/13000/-	- 22000 None	- -	160/220/-	- -	- -	1610 6100	31'3" 21'11" 204 Sq. Ft.	2- MG 2-20mm Cannon	- -	Spotter 7-21-41
1-17 M-100 Engine Fighter	- 1100	306/12780/-	5.2/12780 36000 None	- -	641/273/-	- -	- 220	- -	33'2" 24'4" 191 Sq. Ft.	1- MG	-	M. I. D. 10/10/40
MI-3 M-35 Engine Fighter	1200/19680 -	390/21000/-	- 35000 None	- -	350/330/- 125/251/-	- 105	0 140	6000 6500	28'6" 22'0"	2-7.6 mm 1-12.7 mm	Armor	M. I. D. 9/16/41
IL-2 (Stormovik) Five Bomber	1150/92000 -	270/10000/-	- -	- -	- -	- -	- 880 1100	- -	- -	2-20 mm 2-7.6 mm	Armor L.P. Tanks B.P. Glass	M. I. D. 10/8/41
IB-6 Four, 34 Engines Heavy Bomber	- 600	250/- / -	24/13000 26000	- -	1250/- / -	- -	- 6600	- -	- -	6 MG	-	M. I. D. 1/26/41
SB-3 Two, M-10 Engines Bomber	860/13780 -	260/- / - 59	20/26248 26248	- -	620/217/-	141	1200 2200	10033	66'0" 41'0" 616 Sq. Ft.	2-7.6mm-950 1-7.6mm-1050 1-7.6mm-700	Armor L.P. Tanks	M. I. D. 2/8/41
DB-3F Two, M-37 Engines Bomber	950/14000 -	270/16000/-	16/16400 26500	- -	2500/160/- 1180/230/- 1000/210/-	1000 808 540	3300 2200 6400	21750 19700 21750	70'0" 47'0" 708 Sq. Ft.	2-7.6mm-1100 2-7.6mm-1100 1-7.6mm- 650	-	Air Min.
FB-2 Two, M-105 Engines Five Bomber	1000/12000 -	342/-	- -	- -	- -	- -	- 1540 2120	- -	- -	3-7.6mm- 1-12.7mm-	-	O.N.I. 10/8/41
IB-7 Four, M-35 Engines Heavy Bomber	1200/19700 -	220/13700/- 80 (heavy) 55 (light)	- 32000	- -	- -	- -	- 8000	- -	132'0" 74'0" 2000 Sq. Ft.	2-7.6mm- 400 1-20mm- 150 1-20mm- 200 2-12.7mm-200	-	Tech. rep. NO. 203 7/6/42

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

CONFIDENTIAL