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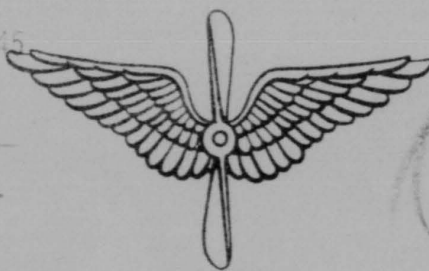
MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

Classification changed to

SEP 28 1945

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[Signature]
E. S. JOHNSTON
Colonel, Infantry



R1064

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

JULY 31, 1943

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Prepared by: Technical Data Laboratory, Engineering Division

NOTES: * Estimate

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

MODEL & MFR	ENGINE	CONT. NO. PLANES	ENG. RATINGS	SPEEDS	CLIMB	T.O. & LAND	RANGE WITH @ SPEEDS & POWER	FLTEL WITH BOMBS	WEIGHTS	WT. EMPTY	WEIGHT	LENGTH	SPAN	NO. OF ENGS OR CAT. ENGS OR AM. PER GEN.	ARMAMENT	COMBAT PROT. REFERENCE
	NORMAL/ALT	MIL/GHT/ALT	TARE OFF/S. L.	HIGH/ALT/FP	FEET-1/2 LAMB OVER	T.O. OVER 28 ORS.	WITH MAX. BOMBS (WITH MAX. BOMBS)	NONE	MAXIMUM	MAXIMUM	MAXIMUM	WING AREA	NO. OF ENGS OR AM. PER GEN.	TYPE		
BLAUGHER P/342	1670/16250	1920/16000	358/16000/-	11,20000	1350	-	1025/238/-	200	928	-	50.0*	37.6*	37.0	L-2000-40	-	1/23/42 R203A R203A R203A
One Rapier Sabre III																
BLAUGHER P/342 I	905/6500	745/6500	223/1500/-	25.6/15000	110	-	650/130/-	140	6167	-	16.2*	35.7*	312	L-303-600	None	11/7/42
One Blt's. Hercules XII																
BLAUGHER P/342 I	905/6500	745/6500	225/1500/-	22.1/15000	196	-	900/130/-	196	9910	-	16.2*	35.7*	312	5-303-600 Pilot armor only	MID-CHI	11/7/42
One Blt's. Hercules XII																
BLAUGHER P/342 I	990/12250	1030/12250	304/17000/-	8.5/15000	1500	-	580/180/-	125	9938	-	39.1*	35.0*	224	L-303-600	Armor	5/12/42
One Blt's. Hercules III																
BLAUGHER P/342 I	1180/18000	1170/21000	335/22000/-	7.0/15000	1350	-	480/175/-	125	6187	-	39.1*	35.0*	224	L-303	-	5/12/42
One Blt's. Hercules II																
BLAUGHER P/342 I	1200/16000	1510/11250	321/1750/-	30000	1785	-	1515/225/-	660	12931	-	57.10*	35.0*	224	L-2000-285	Armor	11/8/42
One Blt's. Hercules XI																
BLAUGHER P/342 I	1180/18000	1170/21000	329/20400/-	30000	2070	-	1510/228/-	660	12895	-	57.10*	35.0*	224	L-2000-285	Armor	11/8/42
Two Blt's. Hercules XI																
BLAUGHER P/342 I	1300/13500	1530/15500	333/15600/-	27000	1815	-	1180/213/-	660	21322	-	57.10*	35.0*	224	L-2000-210	Armor	11/8/42
Two Blt's. Hercules VI																
BLAUGHER P/342 I	1180/18000	1170/21000	380/22000/-	-	2175	-	1205/210/-	1000	19822	-	54.12*	35.0*	150	L-303-500	-	11/8/42
Two Blt's. Hercules XII																
BLAUGHER P/342 I	1365/17000	1380/19000	338/21000/-	10.2/20000	1950	-	700/202/-	-	8731	-	44.6*	37.0*	328	L-2000-175	-	1/23/42 R203A R203A R203A
PAHNEY P/342 I																
BLAUGHER P/342 II	1380/19000	1795	-	-	-	-	-	-	-	-	-	-	-	-	-	

MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: June 31, 1945

BRITISH, FIGHTER

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MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, FIGHTER

PAGE 1

BRITISH, FIGHTER

DATE: JULY 31, 1945

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MIL.-CRIT. ALT. TAKE-OFF S. L.	SPEEDS HIGH ALT./H.P. LANDING	CLIMB TIME TO FT. SERV. CEIL. CEIL.-1/2 ENGS. OUT	T. O. & LAND T. O. OVER 50 OBS. LAND OVER 50 OBS.	RANGE with FUEL with BOMBS at			WEIGHTS WT. EMPTY WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS CALIBERS OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					with SPEEDS % POWER	with SPEEDS % POWER	with SPEEDS % POWER					
BLACKBURN Firebrand One Napier Sabre III	1670/16250 1920/16000 2250	358/18000/-	11/20000 31600	1350	1025/238/-	-	200	None	9929 12550	50'10" 37'6" 370 sq. Ft.	4-20mm.-50	ONI 1/23/42 STCSA Rept. 274
BLACKBURN Roc I One Bris.Pegasus III	905/6500 745/6500 830	223/7500/-	25.6/15000 18200	-	650/130/-	-	110	None	6167 8012	46'2" 35'7" 312 sq. Ft.	4-303-600	None MID-ONI 11/7/42
BLACKBURN Skua I One Bris.Pegasus XII	905/6500 745/6500 830	225/6700/-	22.1/15000 19100	-	900/130/-	-	196	None	5940 6320 8376 8112	46'2" 35'7" 312 sq. Ft.	5-303-600	Pilot Armor only MID-ONI 11/7/42
BOULTON PAUL Defiant One RR-Merlin III	990/12250 1030/16250 880	304/17000/-	8.5/15000 30000	1500 2310	580/180/-	-	125	None	5938 7714	39'4" 35'0" 221 sq. Ft.	4-303-600	Armor L.F. Tanks S.A.C. 5/12/42
BOULTON PAUL Defiant One RR-Merlin IX	1180/18000 1170/21000 1280	335/22000/-	7.0/15000 34200	1350 2370	480/175/-	-	125	None	6127 7765	39'4" 35'0" 221 sq. Ft.	4-303	S.A.C. 5/12/42
BRISTOL Beaufighter Two Bris.Hercules XI	1200/14000 1510/11250 1590	324/11750/-	- 30000	1785 2580	1515/226/-	-	660	None	13931 21120	57'10" 41'6" 451 sq. Ft.	4-20mm.-283 6-303-1000	Armor L.F. Tanks S.P. Glass M.A.P. Dayton SAC 11/8/42
BRISTOL Beaufighter Two RR-Merlin IX	1180/18000 1170/21000 1280	329/20400/-	- 30000	2070 2505	1510/228/-	-	660	None	12895 20374	57'10" 41'6" 451 sq. Ft.	4-20mm.-283 6-303-1000	Armor L.F. Tanks S.P. Glass M.A.P. thru Dayton SAC 11/8/42
BRISTOL Beaufighter Two Bris.Hercules VI	1300/13500 1550/15500 1610	333/15600/-	- 27000	1845 2550	1480/243/-	-	660	None	21322	57'10" 41'6" 451 sq. Ft.	4-20mm.-210 6-303-1000	Armor L.F. Tanks S.P. Glass M.A.P. thru Dayton SAC 11/8/42
DEHAVILLAND Mosquite Two RR-Merlin XXI	1180/18000 1170/21000 1280	380/22000/-	- 29500	2175 2535	1305/210/-	-	123	1000	19822	54'2" 41'2" 450 sq. Ft.	4-20mm.-150 4-303-500	M.A.P. thru Dayton SAC 11/8/42
FAIRY Firefly One RR-Griffon II	1365/17000 1380/19000 1755	338/21000/-	10.2/20000 30600	1950	700/202/-	-	-	None	8731 11372	44'6" 37'0" 328 sq. Ft.	2-20mm.-175 2-20mm.-150	ONI 1/23/42 STCSA Rept. 274

NOTES: * Estimate
 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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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, FIGHTER

PAGE 2

DATE: JULY 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 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
FAIRY Fulmar II One RR-Merlin 30	1240/7250 1260/8750 1300	264/5600/- 75	20.3/20000 21000	- -	925/150/- -	186 -	None 500	7575 9980	46'0" 40'4" 378 Sq. Ft.	8-.303-1000 or 4-.50-360	Armor L.P. Tanks B.P. Glass	MID-ONI 11/7/42
HAWKER Hurricane IIB One RR-Merlin IX	1180/18000 1170/21000 1280	335/22000/- -	5.9/15000 36600	1250 1980	- 510/170/- 355/221/-	116 116	None None	5290 7200 7200	40'0" 31'5" 258 Sq. Ft.	12-.303-300	Armor L.P. Tanks	B.A.C. 5/12/42
HAWKER Hurricane IIC One RR-Merlin IX	1180/18000 1170/21000 1380	327/20500/- -	- 36000	1770 2160	- 480/211/-	- 116	None	5655 7580	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 IX	1180/18000 1170/21000 1280	313/22000/- -	- 34500	- -	- 460/210/-	- -	None	- 7656	40'0" 31'5" 258 Sq. Ft.	2-.303-600 2-16mm.-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	1965 2160	- 827/217/-	- 230	None	- 11600	- -	4-20mm.-	-	M.A.P. thru Dayton SAC 11/8/42
HAWKER Tempest II One Bris. Centaurus IV	- 1780/18250	420/19000/- -	- 36800	1830 2145	- 996/217/-	- 230	None	- 11550	- -	4-20mm.-	-	M.A.P. thru Dayton SAC 11/8/42
HAWKER Typhoon IB One Napier Sabre II	1675/16250 1800/16250 2010	414/21000/- 88	7.5/20000 34600	2500 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 B.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	- -	- 500/214/-	- 102	None	- 6212	36'10" 30'0" 242 Sq. Ft.	8-.303-300	Armor L.P. Tanks B.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.	4-.303-350 2-20mm.-60	Armor L.P. Tanks B.P. Glass	B.A.C. 5/12/42

NOTES:

AC—AIR CORPS

DA—DEFENSE AID

PO—PURCHASE ORDER

* Estimate
** At weight of 10635#
D Estimated take-off weight of 10500#

A—ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY

B—OFFICIAL PERFORMANCE REPORT NO.

C—PRELIMINARY FLIGHT TEST

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MONTHLY CHART BRITISH FIGHTER
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

PAGE 3

BRITISH, FIGHTER

DATE: JULY 31, 1945

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		NONE NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT	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)						
SUPERMARINE Spitfire VC One RR-Merlin XV	1200/16000 1235/17750 1185	369/19500/- -	- 36500	- -	1085/206/- 471/-/-	- -	None None -	- -	36'10" 30'0" 212 Sq. Ft.	1-20mm.-120 -	Armor L.P. Tanks	Air. Tech. Sec ETCUSA Rept. No. 274 10/29/42
SUPERMARINE Spitfire VII One RR-Merlin 61	1190/25000 1300/21000 1375	405/26500/- -	- 40250	2085 2220	732/233/- -	114 -	None -	8000 -	40'2" 31'4" 219 Sq. Ft.	1-303-350 2-20mm-135	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One RR-Merlin 61	1190/25000 1300/21000 1375	406/26500/- -	402/15000 40750	1875 2160	472/228/- -	102 -	None -	7400 -	36'10" -	1-303-350 2-20mm.-120	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
SUPERMARINE Spitfire IX One RR-Griffon II	1675/16250 1800/16250 2010	391/18000/- -	- 33500	1980 2160	500/218/- -	156 -	None -	9400 -	40'6" -	6-20mm.-120	Armor L.P. Tanks B.P. Glass	M.A.P. thru Dayton SAC 11/8/42
WESTLAND Welkin Two RR-Merlin 61	1190/25000 1300/21000 1375	431/26000/- -	- 44000	1890 2850	1560/215/- -	564 -	None -	16700 -	- -	6-20mm.-120	-	M.A.P. thru Dayton SAC 11/8/42
WESTLAND Whirlwind Two RR-Peregrine I	860/13500 890/15000 855	338/15800/- -	8.4/20000 30000	1890 2250	590/190/- 370/305/-	163 103	None None -	8040 10115 10222	45'0" 32'3" 231 Sq. Ft.	1-20mm.-60 or 18-303-	Armor L.P. Tanks B.P. Glass	B.A.C. 5/12/44

NOTES:

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

A-ACCEPTANCE PERFORMANCE TEST RUN AT FACTORY
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C-PRELIMINARY FLIGHT TEST

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CONFIDENTIAL MONTHLY CHART **BRITISH, BOMBARDMENT** PAGE 4
BRITISH, BOMBARDMENT AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: JULY 31, 1943

MODEL & MFR. ENGINE	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 50' OBS. LAND OVER 50' OBS.	RANGE with SPEEDS % POWER			WEIGHTS WT. EMPTY WEIGHT WEIGHT	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					
ARMS. -WHITWORTH Whitley V Two RR-Merlin X	960/13000 1010/17750 1075	225/17000/-	- 19000	- -	1935/170/- 1365/170/- 170/170/-	- - -	1250 3500 7000	- 32000	84'0" 69'4" 1233 Sq.Ft.	1-.303-600 4-.303-1000	-	Air Tech. Sec. ETCUSA Rept. No. 274 10/29/42
AVRO Lancaster I Four RR-Merlin XX	1180/18000 1170/21000 1280	280/20000/-	15.5/15000 a. 25000 b. 29500	4200 2550	3000/185/- 2510/185/- 1130/185/-	- 3038 2556 1233	None 4250 6000	35300 50000 60000	102'0" 68'11" 1297 Sq.Ft.	4-.303-2500 4-.303-1000 2-.303-500	Armor L.P. Tanks B.P. Glass	A. D./R. D. T. I M. A. P.
AVRO Lancaster II Four Bris. Hercules VI	1300/13500 1530/15500 1610	291/15500/-	20/15000 a. 21000 b. 25000	3000 2400	2950/195/- 2450/195/- 1075/195/-	3038 2556 1200	None 3900 12750	37970 63000 63000 63000	102'0" 68'11" 1297 Sq.Ft.	4-.303-2500 4-.303-1000 2-.303-500	Armor L.P. Tanks B.P. Glass	A. D./R. D. T. I M. A. P.
BRISTOL Beaufort I Two Bristol Taurus VI	985/3750 1130/3500 1085	270/5500/-	- 19500	- -	1785/155/-	- -	- 500	- 19080 #	58'0" 44'7" 503 Sq.Ft.	2-.303-400 2-.303-500	-	Air Tech. Sec. ETCUSA Rept. No. 274 10/29/42
BRISTOL Blenheim IV Two Bristol Mercury XV	- 825/13000 920	266/15000/-	7/10000 27000	- -	1410/270/ 75%	- 720 333	- 1100 1600	8250 14400 14400	56'4" 42'9" 469 Sq.Ft.	4-.303	Armor L.P. Tanks	Aeroplane 3/29/40 E. I. D. 3/28/41
BRISTOL Blenheim V Bristol Mercury XV	- 825/13000 920	244/6000/-	- 19500	- -	1230/170/-	- -	- 1000	- 17040 #	56'4" 42'9" 469 Sq.Ft.	1-.303-400 4-.303-1000	-	Air Tech. Sec. ETCUSA Rept. No. 274 10/29/42
BRISTOL Buckingham Two Bris. Centaurus IV	- 1780/18250	330/19250/-	16.0/15000 a. 22500 b. 27200	4350 2400	3500/215/- 1670/221/- 1670/201/-	1890 1260 1260	None 4000 4000	21274 36800 36550 36550	71'9.6" 46'5" 710 Sq.Ft.	2-.303-1000 2-.303-700	-	A. D./R. D. T. I M. A. P.
DeHAVILLAND Mosquito MK V Two RR-Merlin XXII	1180/18000 1170/21000 1280	379/22200/- 102	1/1700 28800 *	2650 2400	1720/-/- 1640/-/-	- 643 643	2000 20540 21310	15129 -	54'2" 41'2" 450 Sq.Ft.	None	Armor L.P. Tanks B.P. Glass	I. T. M. #11 DeH. Canada
FAIRY Albacore One Bris. Taurus XII	985/3750 1130/3500 1085	170/1800/- 68-83	10.3/10000 14400	- -	790/114/- 680/105/-	234 234	None 1500	7103 9900 12400	50'0" 40'0" 607 Sq.Ft.	1-.303-400 2-.303-750	Armor L.P. Tanks	MID-ONI 11/7/42
FAIRY Barracuda One RR-Merlin 30	1240/7250 1260/8750 1300	235/11000/-	- 21000	- -	655/138/-	- -	- 1610	- 13177 #	- -	2-.303 1-.303-600 (Reconn. Only)	-	Air Tech. Sec. ETCUSA Rept. No. 274 10/29/42

NOTES:
 AC--AIR CORPS
 DA--DEFENSE AID
 PO--PURCHASE ORDER
 * Operational ceiling; 500 ft/min rate of climb
 ** Normal reconn. load
 a Service ceiling at maximum weight
 b Service ceiling at mean weight
 # Maximum weight at take-off
 d High speed in test on MK IV at Wright Field was 365/20,500 ft.

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

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MONTHLY CHART BRITISH, BOMBARDMENT PAGE 5
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH, BOMBARDMENT

DATE: JULY 31, 1943

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. CHL-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.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE		
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					WAVE NORMAL MAXIMUM	WT. EMPTY WEIGHT WEIGHT
FAIRY Swordfish One Bris. Pegasus III or 30	- -	114/5500/- 74.8	12.6/1000 17000	- -	**672/103.5 166/103.5	201 201	None 1500	510L 7853 9245	15'6" 36'4" 607 Sq. Ft.	2-.303- 600	L.P. Tanks Only	HD-ONI 11/7/42
HAWLEY PAGE Halifax II Four BR-Merlin XX	1180/18000 1170/21000 1280	258/13000/- -	25.0/15000 a. 21000 b. 25000	3900 2550	2260/195/- 1745/195/- 650/195/-	2815 2264 936	None L250 13000	36255 59000 59000 59000	99'0" 70'11" 1250 Sq. Ft.	10-.303-1000 1200 Hrs. Res.	Armor L.P. Tanks B.P. Glass	A.D./B.D.T.
HAWLEY 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 L250 13000	30700 53000 63000 63000	99'0" 70'11" 1250 Sq. Ft.	10-.303-1000 1200 Hrs. Res.	Armor L.P. Tanks B.P. Glass	A.D./B.D.T. M.A.P.
HAWLEY PAGE Hampden Two Bris. Pegasus XVIII	750/11750 805/15000 965	239/13600/- 73	26.5/15000 19000	3300	-/-/- 1720/-/- 700/-/-	- 785 376	- 2000 5000	1276L - 22500 22500	61'2" 53'4" 737 Sq. Ft.	6-.303	L.P. Tanks	B.A.C. 5/12/42
SHIRT Shetland Four Bris. Centaurus 3 S.M.	1650/19000 2000/20000 2100	218/3250/- -	8.7/5000 a. 12500 b. 17000	- -	3620/-/- 2920/-/- 1130/-/-	7000 5690 2520	None L000 21000	71000 120000 120000	150'6" 110'9" 2626 Sq. Ft.	4-.50- 1000 1-.50- 950 1-.50- 300	-	A.D./B.D.T. M.A.P.
SHIRT Stirling I Four Bris. Hercules XI	1200/14000 1510/11250 1590	265/10500/- -	34.3/15000 a. 16500 b. 20500	4200 3300	2145/200/- 2050/200/- 915/200/-	3250 2706 1392	2250 5750 11200	43200 70000 70000 70000	99'0" 37'0" 1460 Sq. Ft.	2-.303- 1000	Armor L.P. Tanks B.P. Glass	A.D./B.D.T. M.A.P.
SHIRT Stirling III Four Bris. Hercules VI	1300/13500 1530/15500 1610	285/15500/- -	25.1/15000 a. 13000 b. 22000	4200 3300	2145/200/- 2015/200/- 820/200/-	3250 2706 1311	1500 5000 11200	43215 70000 70000 70000	99'0" 87'0" 1120 Sq. Ft.	10-.303- 1000	Armor L.P. Tanks B.P. Glass	A.D./B.D.T. M.A.P.
SHIRT Sunderland III Four Bris. Pegasus XVIII	750/11750 805/13000 965	196/3000/- -	- a. 11700 b. 15600	9900	2970/-/- 2300/-/- 1895/-/-	3060 1900 2335	None 1900 4900	31517 58000 58000 58000	112'0" 55'4" 1637 Sq. Ft.	6-.303- 1000 1-.303- 700	Armor L.P. Tanks B.P. Glass	A.D./B.D.T. M.A.P.
SHIRT Sunderland IV Four Bris. Hercules XVIII	- 1475/9500/ -	264/9500/- -	6.5/5000 a. 11500 b. 19000	5600	3135/-/- 2845/-/- 2545/-/-	4080 3780 3150	None 1900 4900	44910 73350 73350 73350	112'9" 85'4" 1687 Sq. Ft.	6-.303- 1000 1-.303- 700	Armor L.P. Tanks B.P. Glass	A.D./B.D.T. M.A.P.
VICKERS Warwick I Two P&W Wasp SIAL-G	- 1500/11000	213/11000/- -	- 20000	4500 3300	1780/180/- 1160/180/- 815/180/-	1158 1223 762	3475 5275 3000	21750 45000 45000 45000	98'3" 72'4" 1020 Sq. Ft.	4-.303- 2000 1-.303- 1000 2-.303- 500	-	A.D./B.D.T. M.A.P.

NOTES:
a. Service ceiling at maximum weight
b. Service ceiling at mean weight
** Normal reconnaissance load.

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

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

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CONFIDENTIAL MONTHLY CHART BRITISH, BOMBARDMENT AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: JULY 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 FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-EVS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	BOMB NORMAL MAXIMUM					WT. EMPTY WEIGHT WEIGHT
VICKERS Warwick II Two Bris. Centaurus IV	- 1775/18400 -	277/20000/- -	20.0/15000 a. 23000 b. 26500	3000 3300	1675/180/- 1380/180/- 1070/180/-	1458 1223 978	5100 6500 8000	29000 47500 47500 47500	96'8" 72'4" 1020 Sq. Ft.	8-.303-1000 2-.303- 500	- - -	A. D./R. D. T. I M.A.P.
VICKERS Wellington Ia Two Bris. Pegasus XVIII	750/14750 895/15000 965	235/15500/- -	- 15000 -	- -	2550/165/- 1805/165/- 1200/165/-	- -	1000 2750 4500	- 30000 -	86'0" 60'10" 830 Sq. Ft.	6-.303-1000	-	Air Tech. Sec STUSA Rept. No. 274 10/29/42
VICKERS Wellington II Two BR-Merlin X	960/13000 1010/17750 1075	244/17000/- -	33.5/15000 18000 -	4050 -	1580/195/- -	- 900 737	- 3500 4500	20050 32000 32000	86'0" 60'10" 830 Sq. Ft.	4-.303-1000 2-.303- 500	Yes	B.A.C. 5/12/42
VICKERS Wellington III Two Bris. Hercules XI	1200/14000 1510/11250 1590	263/11500/- -	- 20000 -	- -	2200/185/- 1500/185/- -	- -	1500 4500 -	- 31500 -	86'0" 60'10" 830 Sq. Ft.	8-.303-1000	-	Air Tech. Sec STUSA 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. 38500	3078 2355	- -	- -	- 4500	20290 - 31600	86'2" 62'5" 810 Sq. Ft.	4-.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. 21000	2850 2550	2110/185/- 1190/185/- -	1236 900 -	1500 4500 -	- 31500 -	85'0" 60'10" 830 Sq. Ft.	6-.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

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MONTHLY CHART
AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - FIGHTERS (U.S. BUILT)

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BRITISH - FIGHTERS (U.S. BUILT)

DATE: JULY 31, 1943

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 90° OBS. LAND OVER 90° 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 "AIRACORRA -I" One W-1710-EL	1000/11000 1150/11800 1150	358/12400	5.1/10000 29000	-	-	195-(U.S.) 120-(U.S.)	-	5878 7982 7835	34'10" 29'19" 213 Sq. Ft.	4-.50-1000 2-.50- 270 2-20mm- 60	AAEE-774 & AFIU-No. 34
CURTISS HK-81A "TOMAHAWK I" One W-1710-C-15	- -	-	-	-	-	-	-	-	-	2-.50 4-.303	AAEE-763,a
CURTISS HK-81A "TOMAHAWK II" One W-1710-C15	- -	343/16000 83	7.7/15000 31400	1320	-	158 101	-	- -	-	2-.50 4-.30	AAEE/763
CURTISS HK-87A "KITTYHAWK I" One W-1710-F3R	1000/11000 1150/11800 1150	332/14400 322/16200	14.2/20000 28700	-	a b	199 118	-	5973 8866 8180	37'14" 31'19" 236 Sq. Ft.	6-.50-2160T	AAEE/783
CURTISS HK- "KITTYHAWK II" One W-1650-1	1010/16000 1120/18500 1300	354/20400	10.9/20000 34300	-	-	209 158	-	6482 -	-	-	AAEE/783,a
DOUGLAS DB-7 "HAWC I" Two R-1830-53C4g	1000/12500 1050/13100 1200	-	-	-	-	326	-	11775 -	61'14" 47'3" 165 Sq. Ft.	-	-
DOUGLAS DB-7 "HAWC II" Two R-2600-A5B	1275/11500 1600	329/13000	-	2640 **	-	326 168	-	14144 17741 18751	48'10"	-	AAEE/771
GRUMMAN G-36 "MARTLETT I" One R-1820-G205A	900/15200 1200	-	-	1560	-	-	-	-	-	4-.50-	AAEE/762
GRUMMAN G-36 "MARTLETT-II" One R-1830-53C4g	1000/12500 1050/13100 1200	-	-	1710	a	160 130	-	5169 7790 7550	38'13" 29'11" 261 Sq. Ft.	6-.50-225	AAEE/762,a
GRUMMAN G-36 "MARTLETT III"	-	NO DATA AVAILABLE	AVAILABLE	-	-	-	-	-	-	-	-

NOTES:
a-Tested with Jettisonable fuel tank Gr. Wt. 8840#
**At 17500# and 0° flap
AC-AIR CORPS
b-Allowance made for warm up, take off, etc.
DA-DEFENSE AID
c-Still air range.
e-Another test at 7300# gave 331 MPH
f-At weight = 6366#
PO-PURCHASE ORDER

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

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MONTHLY CHART

BRITISH - FIGHTERS (U.S. BUILT)

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BRITISH - FIGHTERS (U.S. BUILT)

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: JULY 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 SPEEDS % POWER			WT. EMPTY WEIGHT WEIGHT	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 MARTLET 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 V-1710-F3R	1000/11000 1150/11800 1150	370/15000 -	7.3/15000 30000 -	1920 -	960/- / - -	- -	155 (U.S.) -	8625 -	- -	2-.30-700 2-.30-800 2-.50-300 2-.50-200	- -	AAEE/781

NOTES:
 AC-AIR CORPS
 DA-DEFENSE AID
 PO-PURCHASE ORDER
 * 15° flap for takeoff.
 a One tank labelled 84 U.S. gals. would hold only 72 gals.

PERFORMANCE TEST RUN AT FACTORY
 PERFORMANCE REPORT NO.
 TEST

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

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BRITISH - BOMBARDMENT (U.S. BUILT)

DATE: JULY 31, 1943

MODEL & MFR. ENGINE CONT. NO. PLANES	ENG. RATINGS NORMAL ALT. MUL. 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 SPEEDS & POWER			WT. EMPTY WEIGHT WEIGHT	DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAL. BOMBS)	MAXIMUM NORMAL (WITH MAL. BOMBS)	NOSE NORMAL MAXIMUM					
LOCKHEED 414 "HUDSON III" Two R-1820-G205A	900/15200 1200	253/15100	- -	2100 -	13 hrs. 7.5 hrs.	896 644	- 1080	- -	65'6" 44'13" 551 sq. ft.	2-.303-1500 3-.303-2000 2-.303-2000	-	AAEE/739, d.
LOCKHEED 414 "HUDSON IV" Two R-1830-8C36	- -	260/10000	12.0/10000	2620	- -	- -	- -	- -	- -	- -	-	AAEE/739, b.
LOCKHEED 414 "HUDSON V" Two R-1830-8304-B	1000/12500 1050/13100 1200	- -	- -	- -	- -	- -	- -	- -	- -	- -	-	-
LOCKHEED VEGA 37 "VENTURA" Two R-2800-61A10	1500/7500 1850/2700 1850	- -	- -	- -	- -	- 565	- 2500	17468 26700	- -	4-.303-1000 2-.303-750 2-.50-250	-	AAEE/790
MARTIN 167 MARYLAND I Two R-1830-8C36	900/12000 1050/7700	294/9000 20	12.1/15000 27250	1560	1870/179/ - -	750 U.S. -	- -	11000 17890 15870 17890 Test	61'4" 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	-	-
MARTIN 187 BALTIMORE I Two R-2600-A595	1275/11500 1600	- -	- -	- -	- -	- -	- -	- -	- -	4-.30 4-.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	-	-
MARTIN 187 BALTIMORE III Two R-2600-A595	1275/11500 1600	301/10400	10.5/14000 23500	- -	770/ - / - -	- 488	- 2000	- 20330	- -	- -	-	AAEE/782, a.
NORTH AMERICAN NA90 MITCHELL I Two R-2600-9	1350/13000 1150/12000 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

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE
 BRITISH - BOMBARDMENT (U.S. BUILT)

BRITISH - BOMBARDMENT (U.S. BUILT)

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DATE: JULY 31, 1943

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 90° OBS. LAND OVER 90° OBS.	RANGE with FUEL with BOMBS at WEIGHTS			DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RPS. OF AMM. PER GUN	COMBAT PROT. REFERENCE TYPE	
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM				WT. EMPTY WEIGHT WEIGHT
BOKING 299T "WORTRESS II" Four B-1820-65	1000/25000 1200/25000 1200	300/25000/-	15.1/15000	2850 2100	2650/190/- 2230/190/- 1815/190/-	2520 2120 1738	- 3700 7400	22065	2- .50-150 2- .50-650 2- .50-200 2- .50-	AAER/770, a and AD/RUTI	
CONSOLIDATED 2 B "CATALINA" Two B-1830-					NO DATA AVAILABLE						
CONSOLIDATED-1b-30 "LIBERATOR I" Four B-1830-8304G	1000/12500 1050/13100 1200	-	-	2800	-	-	-	-	110'0" 66'0" 104 sq. ft.	AAER/769	
CONSOLIDATED-1b-30 "LIBERATOR II" Four B-1830-8304G	1000/12500 1050/13100 1200	250/14000/-	-	-	2200/-/-	-	8000	56000	1- .303-500 + 600 res. 4- .303-2200 1- .303-1000 2- .303-500	H. F. D. U. No 14	
CONSOLIDATED-1b-30 "LIBERATOR III" Four B-1830-43	1100/25000 1200/25000 1200	305/25000/-	25.0/10000	3885	3000/-/- 2180/-/- 1540/-/-	3120 2270 1610	None 4000 8000	33500	-	AAER/769, a	
DOUGLAS DB-7 "BOSTON I" Two B-1830-8030	900/12000 1000/11500 1050	307/10000/-	13/20000	2025	2110/-/- **750/-/- 880/136/-	- - -	- - -	-	-	-	
DOUGLAS DB-7 "BOSTON II" Two B-1830	-	-	-	-	-	-	-	-	-	-	
DOUGLAS DB-7 "BOSTON III" Two B-2600-A5B	1275/11500 1600	312/13000/-	-	3540 a. 2535 b.	620/170/- 880/170/-	512 382 536	2000 2000	15718 23000 21550 22400	61'4" 47'3" 165 sq. ft.	4- .303-500 4- 20mm-60 2- .303-500	AAER/752, c
LOCKHEED 214 "HUDSON I" Two B-1820-G102A	900/6700 1100	239/8000/-	-	2970	-	-	-	-	-	AAER/739	
LOCKHEED-414 "HUDSON II" Two B-1820-G102A	900/6700 1100	-	-	-	-	-	-	20500 - test	-	AAER/	

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 "INTRUDER" version
 # At 17500# gross weight

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MONTHLY CHART
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

BRITISH - BOMBARDMENT (U.S. BUILT)

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BRITISH BOMBARDMENT (U.S. BUILT)

DATE: JULY 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 20' OBS.	RANGE with FUEL with BOMBS at WEIGHTS @ SPEEDS % POWER			WT. EMPTY WEIGHT WEIGHT	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					
NORTH AMERICAN NA-90 MITCHELL II Two R-2600-13	1350/13000 1150/12000 1700	294/14800 -	10.8/15000 26700 -	- -	- -	- -	- -	- -	- -	2-.50 - 2-.50 - 1-.30 -	-	AAEE-794A
VOUGHT SIKORSKY V-156 CHESAPEAKE I One R-1535-GB40	750/9800 825	222/4700 -	20.0/10000 16000 -	2300 -	1170/-/- -	245 (U.S.) -	500 -	9040 -	- -	4-.30 - 1-.30-1400	-	AAEE-775
VOUGHT SIKORSKY KINGFISHER I One R-985-AN-2	- -	** 163/3900 -	** 29.2/10000 11600 -	2130 -	- 730/106/- 440/106/-	244 100 80	- 500	3620 4990 5135	- -	1-.30-500 1-.30-600	-	AAEE-789
WALTER VENGEANCE I One R-2500-ASB-5	- -	- -	- -	- -	- -	- -	- -	- -	- -	6-.30 -	-	

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

* At 8940#
 ** At max. gross weight

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

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMANY - FIGHTERS

PAGE 12

DATE: JULY 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 WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT	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					
<u>FUCKE-WULF 190A-3</u> (1) BMW - 801D FIGHTER	- 1600/14000	395/17000	6.25/18000 38000 NONE	2250 2700	820/220/ - 380/335/ - 440/230/ -	216 138 138	NONE NONE 1100	9200 8600 9800	34'6" 29'2" 203 sq. ft.	2-7.9mm - 4-20mm -	ALL	TECH. DATA FILES.
<u>FUCKE-WULF 190A-4</u> (1) BMW - 801D-2 FIGHTER BOMBER	- 1755/3250 1695/ 3L	320/19000	10.25/18000 34500 NONE	-	870/270/ - -	296 138 138	NONE 550 1100	- 10350 -	34'6" 29'2" 203 sq. ft.	2-7.9mm- 2- 20mm-	ALL	"
<u>JUNKERS JU-88C2</u> (2) JUNKERS JU-211F NIGHT FIGHTER	- 1075/13300	285/16000	15/16500 29000 -	2100 -	1790/230/ - 850/240/ -	948 444 -	NONE - 1100	26000 22200 -	66'0" 47'0" 590 sq. ft.	3-7.9mm- 500 3-7.9mm-1000 1- 20mm- 450	ALL	"
<u>MESSERSCHMITT ME-109E</u> (1) DAIM.BENZ:DB-601A FIGHTER	- 1120/12000	355/18000	6.2/16500 36500 NONE	1260 1860	800/285/ - 450/300/ - 420/285/ -	185 105 105	NONE - 550	6500 5900 6500	32'6" 29'0" 175 sq. ft.	2-7.9mm-1000 2- 20mm- 60	ALL	"
<u>MESSERSCHMITT ME-109F-4</u> (1) DAIM.BENZ:DB-601E FIGHTER	- 1390/14500	390/22000	5.7/18000 39000 NONE	1800 2100	600/205/ - 455/306/ - 540/200/ -	185 105 105	NONE - 550	4740 EST. 6980 6420 7000	32'6" 29'3" 172 sq. ft.	2-7.9mm-500 1- 20mm-200	ALL	"
<u>MESSER: ME-109G-4, 6</u> (1) DAIM.BENZ:DB-605A FIGHTER	- 1520/15000	395/22000	5.3/18000 39000 NONE	1800 2100	1020/210/ - 415/316/ - 535/210/ -	185 105 105	NONE - 550	7230 6670 7300	32'6" 29'3" 172 sq. ft.	2-7.9mm-500 1- 20mm-200 (2-20mm. OPTIONAL)	ALL	"
<u>MESSER: ME-110C-4</u> (2) DAIM.BENZ:DB-601A 2 ENGINE FIGHTER	- 1120/12000	350/22000	8.5/16500 34000 -	- -	1930/253/ - 740/283/ - 1870/253/ -	912 336 -	NONE - 615	20500 15300 20500	53'10" 40' 4" 415 sq. ft.	1-7.9mm- 825 4-7.9mm-1000 2- 20mm- 240	ALL	"
<u>MESSER: ME-210A, B, C, D</u> (2) DAIM.BENZ:DB-601F 2 ENGINE FIGHTER	- 1400/15000	368/20000	10.6/16500 33000 -	- -	1300/323/ - 1280/320/ -	804 660 660	NONE - 1100	- 20250 21350	53'9" 40'3" 390 sq. ft.	2-7.9mm- 2-13mm - 2- 20mm-	ALL	"

NOTES:
AC-AIR CORPS
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Prepared by: Technical Data Laboratory, Engineering Division

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

GERMANY, BOMBARDMENT

PAGE 13

DATE: JULY 31, 1943

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 50° OBS. LAND OVER 50° OBS.	RANGE with FUEL with BOMBS at WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GENS. CALIBRS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE		
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)					WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT	
DORNIER DO-17Z (2) DAIM. BENZ. DB-601A BOMBER	- 1040/13600	275/15000	10/15000 34000	- -	1315/235/ 810/235/ -	648 408 408	NONE 1100 2200	18600 17900 19000	59'0" 52'0" 590 SQ. FT.	6-7.9MM-	ARMOR	TECH. DATA FILES
DORNIER DO-217E (2) BMW - 801A BOMBER	- 1650/15300	325/17000	16/17000 29000	- -	2150/220/ 1010/255/ 960/215/ -	1650 780 780	NONE 1400 8600	34000 32000 34000	62'5" 56'5" 610 SQ. FT.	1- 20MM- 2-7.9MM- or 4-7.9MM- 2- 13MM-	ALL	*
FOCKE-WULF 200K (4) BRAMO-FAPNIR 323R HEAVY BOMBER	- 940/12000	250/13000	11.7/15000 30500	- -	2270/215/ -	2112 660 1004	NONE 3300 11000	47200 -	106'0" 78'0" 1200 SQ. FT.	3-20MM- 5 to 8 (7.9MM)	ARMOR	*
HEINKEL 111H-6 (2) JUNKERS JU-211F BOMBER	- 1075/13300	255/16000	21/16500 32500	1920 1800	1760/195/ 1600/215/ 1290/195/ -	1132 912 848	NONE 4400 6200	26600 25300 31000	73'10" 53' 8" 940 SQ. FT.	2- 20MM- 7-9 17.9MM-	ALL	*
HEINKEL 177 (2) DAIM. BENZ. DB-606 BOMBER	- 2500/15000	295/17000	32/17000 31000	- -	3150/220/ 1315/255/ -	- 3696 -	NONE 10000 15800	- 67000 -	103'0" 67'5" 1100 SQ. FT.	(EST.) 6-10: 13MM	ARMOR	*
HENSCHHEL HS-129 (2) Gnome-Rhone 14M BOMBER	- 800/9000	275/9000	7/10000 29500	3000 1800	690/150/ -	240 160 160	NONE 220 770	- 11400 12000	44'6" 33'4" 305 SQ. FT.	2-7.5MM- 2- 20MM- 1- 30MM-	ALL	*
JUNKERS JU-52/3M (3) BMW - 132A TROOP TRANSPORT	- 660/ 5L	165/5L	- 21000	1920 1800	790/132/ 530/132/ -	640 435 -	22 TROOPS	23100 -	95'10" 62' 0" 1190 SQ. FT.	5-7.9MM-	NONE	*
JUNKERS 86P-1 (2) JUNKERS JU-207A FRASS. CABIN BOMBER	- 950/26000	280/30000	- 42000	1980 2280	1700/ - / 1500/210/ -	640 580 -	NONE 1760 2200	- 22900 -	78'0" 53'0" 900 SQ. FT.	NONE	NONE	*
JUNKERS 87D (1) JUNKERS JU-211J DIVE BOMBER	- 1300/12500	255/13500	19/15000 30000 NONE	- -	1220/180/ 720/180/ 620/185/ -	360 195 195	NONE 2200 4000	11500 12600 14300	45'4" 36'6" 335 SQ. FT.	4-7.9MM-	ALL	*
JUNKERS 88A-5 (2) JUNKERS JU-211F BOMBER	- 1075/13300	273/14000	31.8/17500 28000	3000 1640	1853/224/ 1195/230/ 540/225/ -	1190 770 445	NONE 2200 6400	26500 26000 27600	66'0" 47'0" 590 SQ. FT.	1- 20MM- 7-7.9MM-	ALL	*

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CONFIDENTIAL MONTHLY CHART AIRPLANE CHARACTERISTICS & PERFORMANCE

ITALIAN FIGHTERS AND BOMBERS

PAGE 14

DATE: JULY 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 30° OBS. LAND OVER 50° OBS.	RANGE with @ SPEEDS % POWER		FUEL with		BOMBS at		WEIGHTS		DIMENSIONS SPAN LENGTH WING AREA	ARMAMENT NO. OF GUNS -CAL.-RDS. OF AMM. PER GUN	COMBAT PROT. TYPE	REFERENCE
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)	NONE NORMAL MAXIMUM	NONE NORMAL MAXIMUM	WEIGHT EMPTY GROSS WEIGHT GROSS WEIGHT							
FIAT G-50 (1) FIAT A7IRC-38 FIGHTER	840/12500	300/14500	6.4/15000 34000 NONE	- - -	110/258/- 325/258/- 250/257/-	- - -	83 68 55	NONE NONE 317	5150 5200 5150	35'4" 25'6" 196 SQ. FT.	2-12.7MM-	ARMOR	TECH DATA FILES			
MACCHI MC-202 (1) DAIM.BENZ:DB-60LA FIGHTER	1150/16000	360/20000	7.2/18000 36000 NONE	- - -	425/310/- -	- -	105	NONE	6100	34'9" 29'2" 181 SQ. FT.	2-12.7MM-350	ARMOR	*			
REGOLIANNE RE-2001 (1) DAIM.BENZ:DB-60LA FIGHTER	1150/16000	350/20000	8.3/18000 36000 NONE	- - -	730/300/- -	- -	173	NONE	7000	36'0" 27'4" 220 SQ. FT.	2-7.7MM-600 2-12.7MM-300	ARMOR	*			
CANTIERE Z-500B (3) ALFA-ROMEO 126RC34 BOMBER	750/11000	230/13000	13/13000 27500 -	- - -	1310/198/- 1665/197/- -	- -	1050 790	NONE 1750 2200	26750 29000	86'10" 62' 0" 915 SQ. FT.	1-7.7MM- 3-12.7MM-	ARMOR	*			
CANTIERE Z-1007 (3) PIAGGIO P11RC-35 BOMBER	1000/13000	280/15000	11.7/15000 31500 -	- - -	1530/235/- 920/235/- 380/225/- -	- -	1115 695 330	NONE 2640 4850	28600 28600 28600	81'10" 61' 4" 810 SQ. FT.	2-7.7MM-500 1-12.7MM-350 1-12.7MM-	ARMOR	*			
FIAT BR-20 (2) FIAT ASORC11 BOMBER	1000/13500	255/13500	14/13000 31500 -	- - -	1835/214/- 1210/217/- 1450/214/- -	- -	957 635 770	NONE 2200 3500	23000 22500 25200	70'6" 52'10" 796 SQ. FT.	2-7.7MM- 1-12.7MM-	-	*			
PIAGGIO P-108 (4) PIAGGIO P11RC-35 BOMBER	1300/11500	270/13000	16.25/13000 30000 -	- - -	1550/230/- -	- -	1980 1200	NONE 4100 10000	57000	106'0" 73'6" 1460 SQ. FT.	2-7.7MM- 6-12.7MM-	-	*			
SAVOIA MARCHETTI - 79 (3) ALFA-ROMEO 126RC34 BOMBER	750/11000	255/12500	10.25/10000 28000 -	- - -	1510/211/- -	- -	1345 890 985	NONE 2750 2940	26700 23070 26700	69'6" 54'6" 667 SQ. FT.	2-7.7MM- 3-12.7MM-	-	*			
SAVOIA MARCHETTI - 84 (3) PIAGGIO P11RC-40 BOMBER	1000/13200	290/15000	17/15000 29500 -	- - -	1285/250/- -	- -	870 660	NONE - 3500	27700	69'0" 59'0" 648 SQ. FT.	4-12.7MM-	-	*			

NOTES:
AC-AIR CORPS
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* ESTIMATED

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MONTHLY CHART JAPANESE AIR FORCE PAGE 15
CONFIDENTIAL AIRPLANE CHARACTERISTICS & PERFORMANCE

JAPANESE AIR FORCE

DATE: JULY 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 50' OBS. LAND OVER 50' OBS.	RANGE with FUEL with BOMBS at WEIGHTS SPEEDS % POWER			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
TYPE 97 SSF NATE ONE HIKARI FIGHTER	800/ 13000	280/13000/-	3600 FPM 33000*	-	800/200/ - 460/233/ -	161* 80	-	3250 5000 4400	35'7" 24'4"	4-7.7mm - 550	NONE	For. Equip
TYPE 0 SSF ZEKE ONE NAKAJIMA SAKAE 12 NK-1 FIGHTER	950/ 13750	326/16000/-	2750/ S.L. 38500	-	1480/149/ - 895/146/ -	225* 139	-	3718 6136 5555	39'5" 29'7" 248 Sq.Ft.	2-7.7mm - 500 2-20mm- 60	NONE	* *
TYPE 0 SSF HAP ONE NAKAJIMA SAKAE 21 FIGHTER	945/ 17800 1060/ 15000	350/17000/-	3200/ S.L. 40200	-	1680/146/ - 1180/153/ -	228* 141	-	3913 6331 5750	36'6" 29'8" 238 Sq.Ft.	2-7.7mm - 600 2-20mm- 60	NONE	* *
TYPE 1 SSF OSCAR ONE NAKAJIMA SAKAE 21 FIGHTER	945/ 17800 1060/ 15000	350/17000/-	3200/ S.L. 40200	-	1680/146/ - 1180/153/ -	228* 141	-	3913 6331 5750	36'6" 29'8" 238 Sq.Ft.	2x7.7mm - 600 2x20mm- 60	L.P. (Ineffective)	* *
TYPE 99 D/B VAL ONE KINSEI 14 DIVE BOMBER	1060/ 6500	220/ 7500/-	27000	-	1320/146/ - 875/190/ -	313 271	-	5900 - 8070	48 37	3-7.7mm -	NONE	* *
TYPE 97 T/B KATE ONE NAKAJIMA SAKAE 11 TURP. BOMBER	1000/ - / -	230/10000/-	24000	-	1380/130/ - 650/130/ -	- -	800 1760	4830 - 8392	52 34	2-7.7mm - 600 1-7.7 - 300	NONE	* *
TYPE 97 M/B SALLY TWO KINSEI MED. BOMBER	870/ 10000/-	230/10000/-	2.1/3300'	-	2140/150/ - 1200/180/ -	810 651	2000 4400	- - -	72 52	7-7.7mm - (300-700 Rds.)	NONE	* *
TYPE 1 M/B BETTY TWO KASEI 15 MED. BOMB	1100/ - / -	288/13500/-	30000	-	3000/180/ - 1800/180/ -	1353 756	- 1760	14722 27500 20442	79'8" 64'	3x7.7mm -300 1x 20mm - 90	L.P. (Ineffective)	* *
TYPE 0 SSF F/P RUPE ONE NAKAJIMA X SAKAE 12NK-1 SEAPLANE FIGHTER	950/13750/ -	280/16000/-	2500/ S.L. 36500	-	1480/149/ - 895/146/ -	** 225 139	-	4115 6136 5920	39'5" 33'2" 248 Sq.Ft.	2-7.7mm -500 2-20mm - 60		
TYPE 0 R F/P PETE ONE SUISSEI 13 REC.FLOAT PLANE	-	220/ 9000/-	26000	-	-	-	-	4192 5623	37' 26'6"	2x7.7mm- 500 117.7mm -700	NONE	* *

NOTES:
 * - Jettisonable fuel tank.
 ** - Extra fuel carried in main float.
 X - This is 0 SSF ZEKE equipped with 1 main and two wing tip floats.
 AC-AIR CORPS
 DA-DEFENSE AID
 PO-PURCHASE ORDER

JAPANESE DO NOT USE NAME OF MANUFACTURERS
 IN DESIGNATING THEIR AIRCRAFT

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 B-OFFICIAL PERFORMANCE REPORT NO.
 C-PRELIMINARY FLIGHT TEST

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MONTHLY CHART

JAPANESE AIR FORCE

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JAPANESE AIR FORCE

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: JULY 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 59 OBS. LAND OVER 59 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. REFERENCE TYPE				
					MAXIMUM NORMAL (WITH MAX. BOMBS)	MAXIMUM NORMAL (WITH MAX. BOMBS)				NONE NORMAL MAXIMUM	WEIGHT DESIGN GROSS WEIGHT		
TYPES 97 F/B MAVIS FOUR EDUSEI 43 FLY BOAT	- 900/13000/-	160/15000/-	- 25000	- -	2100/110/ 1900/127/ 1750/110/	- - -	2350 1747 3500	- 50000 41100	25000	131' 82'	4-7.7mm - 1-20mm -	NONE	FOR EQUIP.

NOTES:

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Prepared by: Technical Data Laboratory, Engineering Division

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MONTHLY CHART

RUSSIAN AIR FORCE

PAGE 17

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RUSSIAN AIR FORCE

AIRPLANE CHARACTERISTICS & PERFORMANCE

DATE: JULY 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 50 OBS. LAND OVER 50 OBS.	RANGE with FUEL with BOMBS at WEIGHTS SPEEDS & POWER			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
1-16 M-63 Engine Fighter	- - 1000	290/13000/- -	- 22000 None	- -	160/220/- -	- -	- -	1610 -	31'13" 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/- -	- -	- -	- -	33'12" 24'4" 191 Sq. Ft.	1- MG	-	M. I. D. 10/10/40
MIQ-3 M-35 Engine Fighter	1200/19680 -	390/21000/- -	- 35000 None	- -	- 350/330/- 125/204/-	- 105 105	- 0 1440	- 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/- -	- -	- -	- -	- -	- -	- -	- -	2-20 mm 2-7.6 mm	Armor L.P. Tanks B.P. Glass	M. I. D. 10/8/41
IB-6 Four, M Engines Heavy Bomber	- - 600	250/-/- -	24/13000 26000 -	- -	1250/-/- -	- -	- -	- -	- -	6 MG	-	M. I. D. 1/25/41
SB-3 Two, M-10 Engines Bomber	860/13780 -	260/-/- 69	20/26248 26248 -	- -	620/217/- -	1441 -	1200 2200 -	10033 -	66'0" 11'0" 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-3P Two, M-37 Engines Bomber	950/14000 -	270/16000/- -	16/16100 26500 -	- -	2500/160/- 1180/230/- 1000/210/-	1000 808 540	3300 2200 6400	21750 18700 21750	70'0" 17'0" 708 Sq. Ft.	2-7.6mm-1100 2-7.6mm-1100 1-7.6mm-650	-	Air Min.
PE-2 Two, M-105 Engines Five Bomber	1000/12000 -	342/- -	- -	- -	- -	- -	- -	- -	- -	2-7.6mm- 1-12.7mm-	-	O. N. I. 10/8/41
IB-7 Four, M-35 Engines Heavy Bomber	1200/19700 -	220/19700/- 80 (heavy) 55 (light)	- 32000 -	- -	- -	- -	- -	- -	132'0" 74'0" 2000 Sq. Ft.	2-7.6mm-400 1-20mm-160 1-20mm-200 2-12.7mm-200	-	Tech. rep. NO. 203 7/6/42 *

NOTES:

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