

LEADING PARTICULARS

				ft.	in.	
Span spread	..	..	..	45	0	
Width folded	..	..	..	27	6	
Length :						
Spread, 3-point	..	..	..	36	8	
Tail-up	..	..	..	37	0	
Folded, 3-point	..	..	..	36	8	
Tail-up	..	..	..	37	0	
Height :						
Spread, 3-point	..	..	..	13	6	(Propeller, min. 11 ft. 10 in.)
Tail-up	..	..	..	16	0	
Folded, 3-point	..	..	..	13	6	(Wings)
Tail-up	..	..	..	16	0	
Maximum height during folding (3-point)	..	..	..	16	10	
Tail plane span	..	..	..	16	10	
Under-carriage track	..	..	..	14	6	
Propeller diameter	..	..	..	12	0	
Propeller ground clearance (3-point)				2	0	

Column No.	1	2	3
Loading Condition lbs.	Perm. Fuel	2 x 100 galls.	2 x 1,000 lbs. Bombs.
Gross Weight lbs. (Tare Weight, 11,700 lbs.)	15,682	17,732	17,782
Mean Weight lbs.	14,362	15,432	16,462
Light Weight lbs.	12,570	12,650	14,670
Fuel/Oil galls.	347/25	547/25	347/25
Crew	1	1	1
Armament : Fixed Forward/R.P.G. Free/R.P.G. Turret/R.P.G.	4 x 20 mm./180.		
Deck Take-off : ft.			
Calm	600	830	835
10 kts.	465	660	665
20 kts.	350	510	510
30 kts.	250	380	385
40 kts.	160	255	260
Maximum Speed :			
Sea Level kts.	347	332	285
" M " Gear, Critical Altitude kts./ft.	371/6,000	355/6,000	305/6,000
" I " Gear, Critical Altitude kts./ft.			
" S " Gear, Critical Altitude kts./ft.	400/18,750	383/18,750	329/18,750
Combat Radius :			
" M " Gear (20,000 ft.) nm./kts.	250/231	565/231	170/222
" I " Gear (.. .. . ft.) nm./kts.			
" S " Gear (.. .. . ft.) nm./kts.			
Combat Endurance :			
" M " Gear (20,000 ft.) hrs./kts.	2.25/202	5.15/202	1.5/194
" I " Gear (.. .. . ft.) hrs./kts.			
" S " Gear (.. .. . ft.) hrs./kts.			
Range :			
" M " Gear (20,000 ft.) nm./kts.	1,000/231	1,680/231	700/222
" I " Gear (.. .. . ft.) nm./kts.			
" S " Gear (.. .. . ft.) nm./kts.			
Endurance :			
" M " Gear (20,000 ft.) hrs./kts.	4.55/202	7.65/202	3.25/194
" I " Gear (.. .. . ft.) hrs./kts.			
" S " Gear (.. .. . ft.) hrs./kts.			
Service Ceiling ft.	36,700	34,600	33,700
Stalling Speed (Gross Weight) kts. T.A.S.	76	81	81
Engine(s)	2 x R.M. 14 S.M. (Merlin 130/1)		
Engine Rating : M	1,960/3,000/4,000 /+ 20		
B.H.P./R.P.M./Altitude/Boost I	/ / /		
.. .. . S	1,840/3,000/17,000/		

4	5	6	7
6 x 60 lbs. R.P.s			
16,682			
15,362			
13,570			
347/25			
1			
710			
560			
425			
310			
205			
312			
324/6,000			
350/18,750			
195/221			
1.8/193			
795/221			
3.7/193			
34,000			
78.5			

Remarks :-

+ 25 lbs. boost may be used with 150 grade fuel.



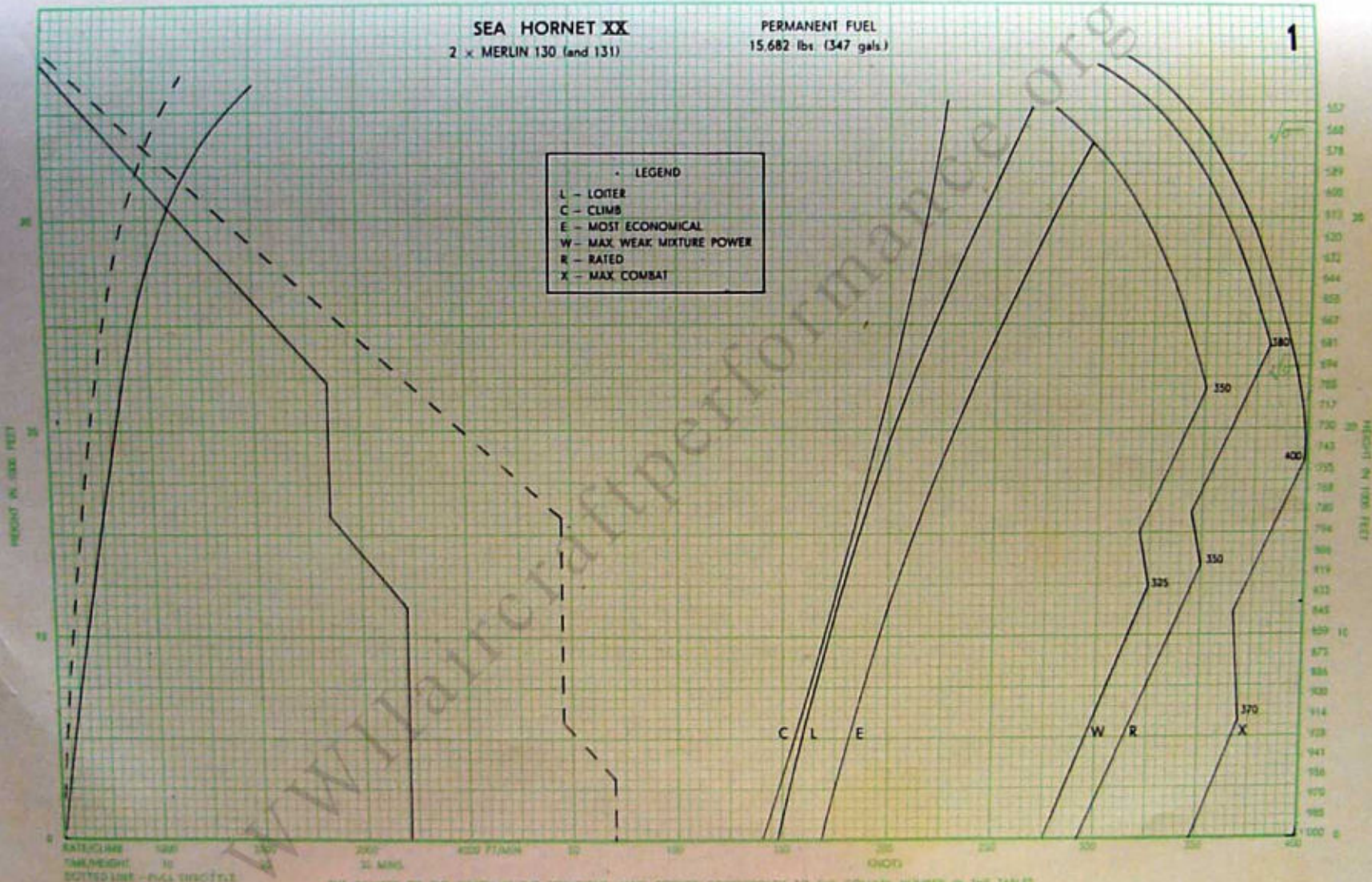
HORNET;—SEA HORNET similar.

SEA HORNET XX

2 x MERLIN 130 (and 131)

PERMANENT FUEL
15,682 lbs. (347 gals.)

1



THE NUMBER OF THE GRAPH IN THE TOP RIGHT HAND CORNER CORRESPONDS TO THE COLUMN NUMBER IN THE TABLES