

LEADING PARTICULARS

NAME HUNTER T MK. 8, 8B & 8C
 TYPE TWO-SEAT, SINGLE-ENGINE, MID-WING
 LAND-BASED MONOPLANE
 DUTY TRAINER

MAIN DIMENSIONS

Refer to the general arrangement illustration

MAIN PLANES

Aerofoil section Hawker High Speed 0.085 t/c at 37.5% of chord
 Mean chord 10.2 ft.
 Aspect ratio 3.33
 Incidence +1 deg. 30 min.
 Dihedral -1 deg.
 Angle of sweepback at 25% of chord 39.9 deg.

TAIL PLANE

Aerofoil section Hawker symmetrical 0.08 t/c at 34% of chord
 Mean chord 4.55 ft.
 Incidence Variable
 Dihedral Nil
 Angle of sweepback at 25% of chord 41.9 deg.

AREAS

Wings, with ailerons and flaps—gross 349 sq. ft.
 Ailerons, net total 26.52 sq. ft.
 Flaps, landing, gross 31.2 sq. ft.
 Tail plane, with elevators—gross 53.9 sq. ft.
 Elevators—gross 16.3 sq. ft.
 Fin with rudder and tab—gross 35 sq. ft.
 Rudder, with tab 6.1 sq. ft.
 Rudder, tab 0.4 sq. ft.

RANGE OF MOVEMENT AND SETTING OF CONTROL SURFACES

Refer to Sect. 3, Chap. 4

MAIN UNDERCARRIAGE

Type Two cantilever units, retracting inward
 Track 14.75 ft.

Shock-absorber struts

◀ Type Dowty liquid-spring
 Fluid used OM-15
 Pressure Refer to A.P.104 series ▶

Wheels

Type Dunlop A.H.50701, A.H.51338 or A.H.50207
 Tyres Dunlop 29 in x 6.25 in x 16 in, Code D.T.1821
 Tubes Dunlop (Ref. No. 27A/3921)
 Inflation pressure Refer to Servicing Schedule

Brakes

Type Dunlop hydraulic A.H.50247 and 8
 Working pressure 1 500 lb/in²

NOSE UNDERCARRIAGE

Type One cantilever unit, retracting forward

Shock-absorber unit

◀ Type Dowty liquid-spring
 Fluid used OM-15
 Pressure Refer to A.P.104 series ▶

Wheel

Type Dunlop A.H.9336

LEADING PARTICULARS -- Contd.

ELECTRICAL SYSTEM

Voltage	24 volts nominal
Generators (2)	Type 515A
Voltage regulators (2)	Type 94
Cut-out units (2)	Differential, Type A, Mk. 2
Batteries (Mk. 8 aircraft)	Type J, 24 volt, 25 amp.
Batteries (Mk. 8B & 8C aircraft)	Type 24, 15/35ED 24 volt, 27 amp. (1 hr. rate)

RADIO

(Mk. 8 aircraft)		
UHF (main) TR.5/ARC 52	(ARI 18124/1)
UHF (standby) type M.4 or M.6	(ARI 23057)
Tele-briefing	(ARI 18012)
Intercommunication amplifier	(A 1961)
ZBX	(ARI 5307)
(Mk. 8B aircraft)		
UHF (main) TR.5/ARC 52 (Pre-Mod 1484)	(ARI 18124/1)
V/UHF (main) PTR1751 (Mod 1484)	(ARI 23300/80)
UHF (standby) type M.4 or M.6	(ARI 23057)
Tele-briefing	(ARI 18012)
Intercommunication amplifier	(A 1961)
(Mk. 8C aircraft)		
VHF AD 120 (Mod 1430)	(ARI 23288)
UHF (main) TR.5/ARC 52 (Pre-Mod 1481)	(ARI 18124/1)
V/UHF (main) PTR1751 (Mod 1481)	(ARI 23300/80)
UHF (standby) type M.4 or M.6	(ARI 23057)
Tele-briefing	(ARI 18012)
Intercommunication amplifier	(A 1961)

RADAR

(Mk. 8 aircraft)		
Radar ranging	(A.R.I.5840)
(Mk. 8B & 8C aircraft)		
Tacan	(A.R.I.18107/2 or 10)
(Mk. 8C aircraft)		
Radar altimeter (Mod 1467)	(A.R.I. 23232/17) ◀

ANTI-'G' SYSTEM

Air bottles (4)	Dunlop ACM/16782
Capacity	110 cu. in. each
Anti-'G' valve	Hymatic Type AG.2
Pressure reducing valve	Palmer Type C.58
Selector valve	Hymatic Type SV.9
Charging pressure (in situ)	2 000 lbf/in ²

OXYGEN SYSTEM

Cylinders (4)	Mk. 5D with Mk. 7 five-way piece
Capacity	750 litres each
Pressure reducing valve	Mk. 1
Regulator	Mk. 17E or Mk. 17F
Charging pressure (in situ)	1 800 lbf/in ²

AIR CONDITIONING SYSTEM

Cold air unit	A.C.R.E. 9 Mk. 8W
Pre-cooler	Marston-Excelsior D-119-7A or D1137-3A
Inter-cooler	Marston-Excelsior D-119-7A or D1137-3A

FIRE PROTECTION SYSTEM

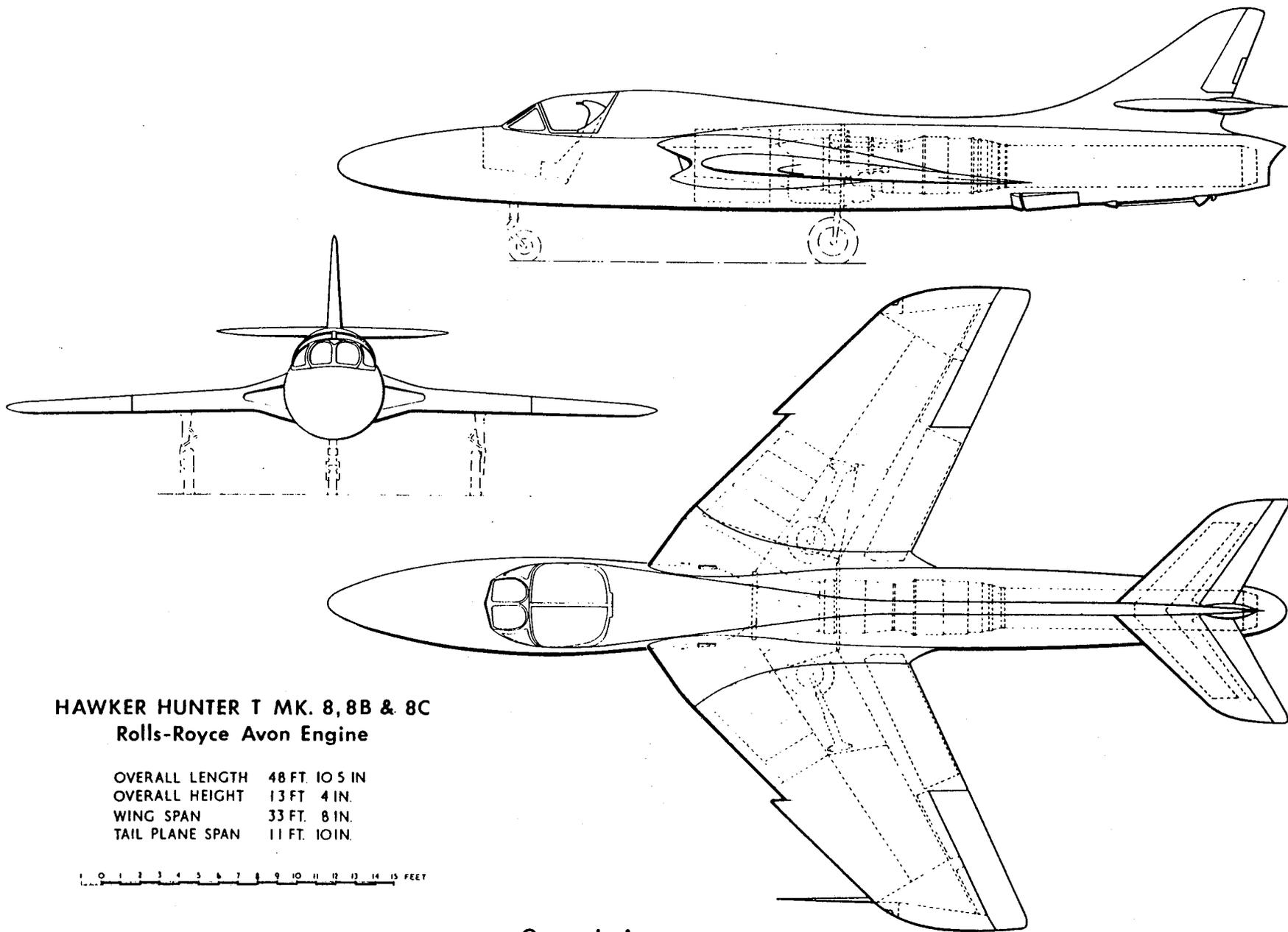
Extinguisher bottle	Mk. 13A or Type 5AX
Flame switches (12)	Mk. 4 No. HS/RS/300
Inertia switches (2)	Mk. 1

SEATS

Ejection type	Port Martin Baker Type Mk. 4H/1
(Pre Mod. 1178)	Starboard Martin Baker Type 4H/2
(Post Mod. 1178)	Port Martin Baker Type Mk. 4HA(N)1
	Starboard Martin Baker Type Mk. 4HA(N)2

ARMAMENT

(Mk. 8 aircraft only)		
Type of gun	Aden 30 m.m.
Number of guns	One left-hand
Control	Electrical
Firing mechanisms	Electrical
Number of rounds	150
Gun cocking	Pneumatic (ground supply)
Pylons		
Number	Two under each wing
R.P.	(See Sect. 7, Chap. 2)
Bombs	(See Sect. 7, Chap. 4)



HAWKER HUNTER T MK. 8, 8B & 8C
Rolls-Royce Avon Engine

OVERALL LENGTH 48 FT. 10 5 IN.
 OVERALL HEIGHT 13 FT. 4 IN.
 WING SPAN 33 FT. 8 IN.
 TAIL PLANE SPAN 11 FT. 10 IN.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 FEET

General Arrangement

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