

LEADING PARTICULARS

NAME ... HUNTER GA MK. 11/HUNTER PR MK.11
 TYPE ... SINGLE-SEAT, SINGLE-ENGINE, MID-WING
 LAND-BASED MONOPLANE
 DUTY ... GROUND ATTACK/AND PHOTOGRAPHIC
 RECONNAISSANCE

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 (Part No. A.7900Y A/B, Mk. B,
 Pre Mod. 197 or (Part No. A.7950Y A/B, Mk. B,
 Post Mod. 197)
 Fluid used ... OM-15 (Ref. 34B/9100572)
 Pressure ... Refer to A.P.1803E, Vol. 1, Sect.2

Wheels

Type ... Dunlop A.H.50207
 Tyres ... Dunlop (29 in. X 6.75 in. - 16 in.) Code DR.1821
 Tubes ... Dunlop Code D.T.1808
 Inflation pressure ... Refer to Servicing Schedule

Brakes

Type ... Dunlop hydraulic A.H.50247 and 8
 Working pressure ... 1 500 lb. per sq. in.

NOSE UNDERCARRIAGE

Type ... One cantilever unit, retracting forward

Shock-absorber unit

Type ... Dowty liquid-spring (Part No. A.4503Y)
 Fluid used ... OM-15 (Ref.34B/9100572)
 Pressure ... Refer to A.P.1803E, Vol. 1, Sect. 6

Wheel

Type ... Dunlop A.H.9336

LEADING PARTICULARS—Contd.

Type Dunlop (19 in. X 6.25 in. — 9 in.) Code D.R.2266
 Tube Dunlop Code D.T.2200
 Inflation pressure Refer to Servicing Schedule

ENGINE

Name Avon Mk. 113 or 122
 Type Straight flow, turbo-jet

Starter

Type B.T.H. T.B.S.720 Mk. 1
 Cartridges Cordite, 720 Gramme Type No. 10 Mk. 1
 (Ref. 12D/1204)

Safety device Relief valve to each breech
 Accessories gear box and drive Rotol A.D.E.171

Fuel (engine) — alternatives

	N.A.T.O. F.30 Avtur/40 Ref.34A/9100449 or Avtur/50 Ref.34A/9431771 (8 lb. per gal.)	N.A.T.O. F.40 Avtag Ref. 34A/9100448 or Avcat (7.7 lb. per gal.)

Fuel tank capacities (with no drop tanks fitted)	GAL.	LB.	LB.
Front tanks	202	1616	1555.4
Centre tanks	72	576	554.4
Wing tanks	140	1120	1078
Total internal capacity	414	3312	3187.8

Fuel tank capacities (with 2 inboard drop tanks fitted)	GAL.	LB.	LB.
Front tanks	202	1616	1555.4
Centre tanks	72	576	554.4
Wing tanks	146	1168	1124.2
Total internal capacity	420	3360	3234.0

Fuel tank capacities (with 4 drop tanks fitted)	GAL.	LB.	LB.
Front tanks	202	1616	1555.4
Centre tanks	72	576	554.4
Wing tanks	150	1200	1155.0
Total internal capacity	424	3392	3264.8

Drop tank capacities			
100 gal. on inboard pylon	100	800	770
100 gal. on outboard pylon	99	792	762.3

Oil

Engine
 Specification OX-38 (Ref. 34A/9100591)
 Quantity (carried in engine sump) 17 pints approx.

Accessories gearbox

Specification OX-38 (Ref. 34A/9100591)
 Capacity 2.5 pints approx.

Cold air unit

Specification OX-38 (Ref. 34A/9100591)

HYDRAULIC SYSTEM

Type High pressure, live-line
 Components Dowty
 Services operated Alighting gear, wheel brakes, landing flaps,
 air brakes and power-assisted controls
 Pump Dowty Part No. A.5050Y/RH/3000 (Ref. 37J/8000)
 Fluid OM-15 (Ref. 34B/9100572)

Accumulator inflation pressures

Aileron 900 lb. per sq. in.
 Elevator 1 575 lb. per sq. in.
 Wheel brakes 750 lb. per sq. in.

Emergency air bottle pressures

Alighting gear and flaps 1 800 to 2 000 lb. per sq. in.

Relief valve blow-off pressures

Hand pump 2 800 ⁺¹⁰⁰₋₀ lb. per sq. in.

Flaps 3 000 ⁺⁰₋₅₀₀ lb. per sq. in.

Thermal relief valves 4 000 to 4 150 and 3 100 to
 3 250 lb. per sq. in.
 Arresting hook damper charging pressure 1 380 lb. per sq. in.

ELECTRICAL SYSTEM

Voltage 24 volts nominal
 Generators (2) Type 515A (Ref. 5UA/6273)
 Voltage regulators (2) Type 94 (Ref. 5UC/5937)
 Cut-out units (2) Differential, Type A, Mk. 2 (Ref. 5C/4211)
 Batteries (2) Type J, 24 volt, 25 amp. (Ref. 5J/3336)

RADIO

UHF (main) (Mod 1480) ARI 23301/80
 UHF (main) (pre Mod 1480) ARI 18124/1
 UHF (standby) ARI 23057
 Tele-briefing system ARI 18012
 VHF (Mod 1429) ARI 23288

RADAR

Tacan (Mod 1009) ARI 18107
 IFF (Mk. 10) (pre-Mod 1319) ARI 5848
 IFF/SSR (post-Mod 1319) ARI 23134/3
 Radar Altimeter (Mod 1468) ARI 23232/17

LEADING PARTICULARS—Contd

ANTI-'G' SYSTEM

Air bottles (2)	...	...	...	...	Dunlop ACM/16780 or 16782
Capacity	...	...	...	...	106 or 110 cu. in. each
Anti-'G' valve	...	...	...	...	Hymatic Type AG.2 (Ref. 27VB/3254)
Pressure reducing valve	...	...	...	...	Palmer Type C.58 (Ref. 27VC/27)
Selector valve	...	...	...	...	Hymatic Type SV.9 (Ref. 27VB/3441)
Charging pressure (in-situ)	...	...	...	...	1 800 to 2 000 lb. per sq. in.

OXYGEN SYSTEM

Cylinders (2)	...	...	...	...	Mk. 5D (Ref. 6D/1383)
Capacity	...	...	...	...	750 litres each
Pressure reducing valve	...	...	...	...	Mk. 1 (Ref. 6D/1616)
Regulator	...	...	...	...	Mk. 17E (Ref. 6D/2294) or Mk. 17F (Ref. 6D/2671)
Charging pressure (in-situ)	...	...	...	...	1 800 lb. per sq. in.

PHOTOGRAPHIC RECONNAISSANCE SYSTEM

(P.R. MK. 11 ONLY)

Cameras F.95 (2) with 4 in. lens	...	...	...	...	(Ref. 14A/5886)
Camera F.95 (1) with 12 in. lens	...	...	...	...	(Ref. 14A/5900)
Intervalometer	...	...	...	...	Type 95 Mk. 2 (Ref. 14A/5887)

AIR CONDITIONING SYSTEM

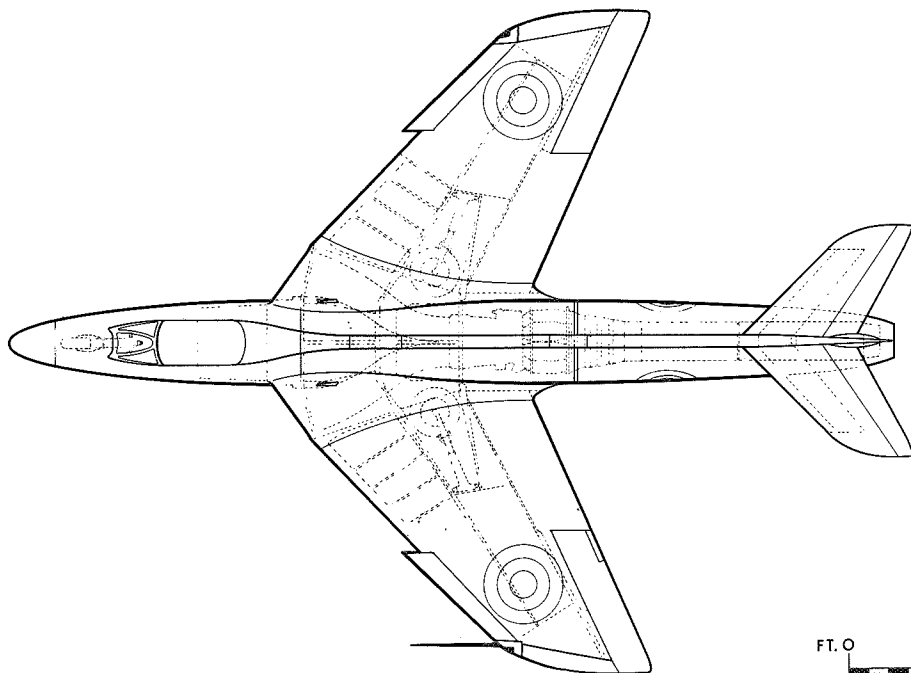
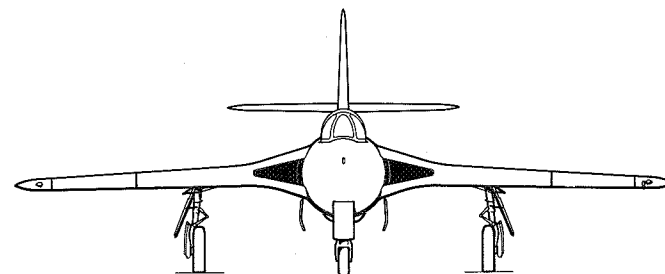
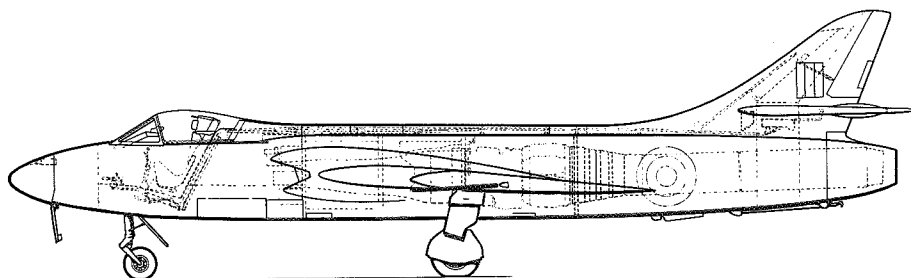
Cold air unit	...	...	...	...	A.C.R.E.9 Mk. 6W (Ref. 27UA/401)
Oil	...	...	...	...	Post Mod. 499 OZ-38 (Ref. 34A/9100591)
Pre-cooler	...	...	...	...	Marston-Excelsior D.119-4A
Inter-cooler	...	...	...	...	Marston-Excelsior D.119-3A

FIRE PROTECTION SYSTEM

Extinguisher bottle	...	...	...	...	Mk. 5A (Ref. 27N/69)
Flame switches	...	...	...	...	Mk. 4 No. HS/RS.300 (Ref. 27N/91)
	◀				or (post Mod.1322) 150D/01/300 (Ref. 27N/340) ▶

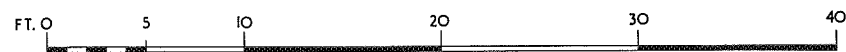
SEAT

Ejection type	...	...	...	...	Martin Baker Mk. 2HA(N) (Ref. 27L/50135)
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OVERALL LENGTH	45 FT, 10.5 IN.
OVERALL HEIGHT	13 FT, 4 IN.
WING SPAN	33 FT, 8 IN.
TAIL PLANE SPAN	1 FT, 10 IN.

HAWKER HUNTER G A MK.11 & PR MK.11
ROLLS ROYCE ENGINE



General arrangement

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