

## Chapter 1

## TABULATED DATA

1	ALIGHTING GEAR		
	Nose-wheel unit		
	Shock absorber	...	Oleo-pneumatic, Dowty-Rotol 2.00163.015
	Pressure, air	...	380 $\pm$ 10 lb/in <sup>2</sup>
	Fluid	...	OM-15 (Ref.No.34B/9100572)
		...	NATO Code No.H-515
	Main wheel units		
	Shock absorber	...	Oleo-pneumatic, Dowty-Rotol 2.00384.007 and 2.00385.007
	Pressure, air	...	545 $\pm$ 25 lb/in <sup>2</sup>
	Fluid	...	OM-15 (Ref.No.34B/9100572)
		...	NATO Code No.H-515
	Brakes, wheel		
	◀ Type	... ..	Dunlop AH52411 )pre Mod AH52412 )4862 AH52485 )post Mod AH52486 )4862 ▶
	Pressure	...	1500 lb/in <sup>2</sup>
	Maxaret units	...	Dunlop AC 64794 - port Dunlop AC 64800 - starboard
2	AIR CONDITIONING SYSTEM		Refer to Chap.4
	Water boiler and heater tank		
	Contents	... ..	90 per cent (by volume) distilled or softened water; 10 per cent (by volume) AL 3 (DTD 779) (Ref.No.34B/9100470)
	Capacity	... ..	1.5 gal.(approx)
3	DE-ICING SYSTEM	...	Refer to air conditioning system
4	DIMENSIONS, AIRCRAFT		Refer to fig.1

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5	ELECTRICAL SYSTEM			
	Type	...	...	28-volt dc and 200-volt, 3-phase, 400 Hz ac with 28-volt dc and 115-volt, 3-phase, 400 Hz ac standby generator
	Generator (d.c.)	...		Brushless, Type AE 2519 Mk.2 (Ref.No. 5UA/1098481)
	Standby generator (d.c.)			Type B3601/i
	Generator (a.c.)	...		Brushless, Type AE 2071 (Ref.No. 5UA/8783)
	Batteries			
	Main	...	...	One, Type J (Ref.No.5J/9496080)
	Emergency	...	...	One, 24-volt, 7 Ah. (Ref.No.5J/1115903)
	Inverter	...	...	Type 100A (Ref.No.5UB 4938)
6	ENGINES	...	...	Rolls Royce Avon Mk.30201 ECU
	Oil	...	...	OX-38 (Ref.No.34B9100591) NATO Code No.O-149
	Capacity each engine			12 pints
	Accessory drive equipment			Rotol ADE 383
	Gearbox oil	...		OX-38
	Capacity, total			3.75 pints
	Reheat pumps	...	...	Lucas TFP 118
	Sump oil	...	...	OX-38
	Capacity	...	...	100 ccs
	Igniter plugs	...		Lodge LR 107: KLG KR 107
	Starter system	...		Plessey LTSA 140
	Fuel	...	...	AVPIN, D Eng.RD 2492 (Ref.No.34A/9423147) NATO Code No.S-746
	Tank capacity	...		3 gal.
	Starter safety disc			Ref. No. 37F/20804
7	ENTRANCE AND EXIT	...		Refer to Chap.2

## 8 FUEL

## Specifications

AVTUR	...	...	D Eng.RD 2453 (Ref.No.34A/2201036) NATO Code No.F-34
AVTAG	...	...	D Eng.RD 2454 (Ref.No.34A/2201057) NATO Code No.F-40

In cases of emergency only, the following alternative substitute fuels may be used:

AVTUR	...	...	D Eng.RD 2494 (Ref.No.34A/9431771) NATO Code No.F-35
AVCAT	...	...	D Eng.RD 2498 (Ref.No.0722/2202148) NATO Code No.F-44
FRENCH NAVY FUEL	...		AIR 3404A NATO Code No.F-42
Tank capacity	...	...	956 gal.(pre-Mod.2459) 966 gal.(post-Mod.2459)

## 9 HYDRAULIC SYSTEMS

## Pumps

Services system	...		Integral Type 180, Mk.50 or Mk.65 or Mk.70
Controls system	...		Integral Type 220, Mk.37 or Mk.61
Fluid	...	...	OM-15 (Ref.No.34B/9100572) NATO Code No.H.515
Normal working pressure			3000 lb/in <sup>2</sup>
Capacity, total	...		75 pints
Accumulator pressure, nitrogen	...	...	Refer to Chap.4

10 NITROGEN SYSTEM ... Refer to Chap.4

## 11 OXYGEN SYSTEM

## BOA liquid oxygen

Liquid oxygen package unit	...	...	802548 (Ref.No.6D/2527)
Container	...	...	Two 3.5 litre (Ref.No.6D/2159)
Regulator	...	...	Type 120 (Ref.No.6D/2285)
Check valve	...	...	6D/2264
Emergency oxygen	...	...	Type 120, Mk.1 (Ref.No.6D/2789)

12 PNEUMATIC SYSTEM ... Refer to air conditioning system (Chap.4)

## 13 TYRES

Nose wheel	...	...	Dunlop tubeless DF 3881T
Main wheel	...	...	Dunlop tubeless DNR 3525T

## 14 WHEELS

Nose	...	...	Dunlop AH 52017
Main	...	...	Dunlop AH 52261 (pre Mod.4196) Dunlop AH 52268 (post Mod.4196)

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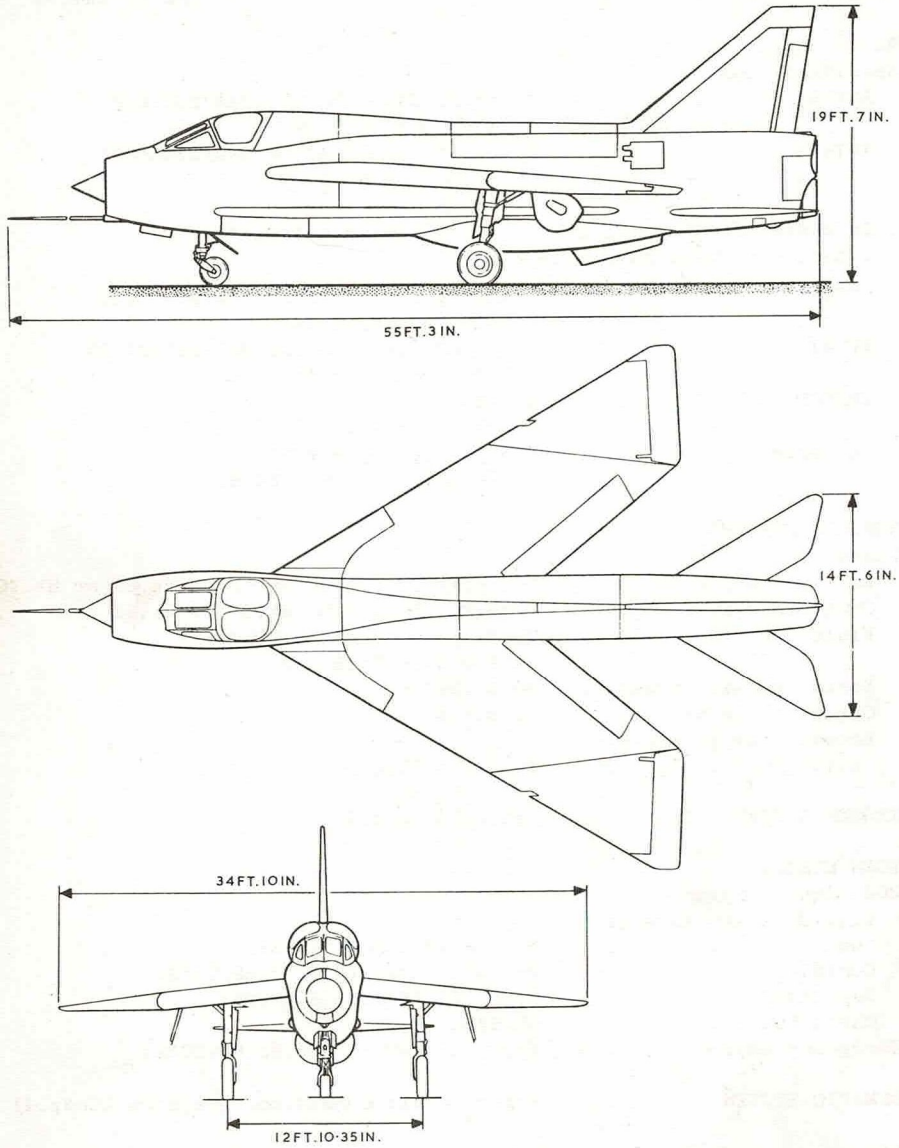


Fig. 1. AIRCRAFT DIMENSIONS

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