

# Leading Particulars - Puma HC Mk 2

Aircraft Serial No \_\_\_\_\_

### Normal Fuels (see notes 1 and 2)

Type	NSN	Specification	NATO Code
AVTUR FSII	9130-99-2201036	Def Stan 91-87	F-34
AVTUR	9130-99-9431771	Def Stan 91-91	F-35
JET - A	-	ASTM-D-1655	-
AVCAT FSII	9130-99-2249717	Def Stan 91-86	F-44

### Alternative Fuels (see notes 1 and 2)

Type	NSN	Specification	NATO Code
AVTAG FSII*	9130-99-2201037	Def Stan 91-88	F-40
JET-B (Wide Cut Fuel)	-	ASTM-D-6615	-
TS-1*	-	GOST 8313-80	-

### Authorized Fuel Additives

Additive	Requirement
Anti-icing (with or without glycerin)	Additives must comply with AIR specification 3652 or with one of the following specifications: MIL-I-27686, Def Stan 68-252. Max concentration per volume: 0.15% Min concentration per volume: 0.10%
Anti-static	SHELL ASA-3 at a max concentration of 0.0001% by volume.

### Fuel Tank Capacities

Group	RH	LH	Total
Tank	Right + Fwd	Left + Rear + 5th	
Capacity	659 litres (520 kg)	906 litres (715 kg)	1565 litres (1235 kg)

### Tyre Pressures (lbf/in<sup>2</sup>)

	Main	Nose
Min	82	82
Max	87	87

### Radioactive Souces Fitted to Puma HC Mk 2

No radioactive sources identified.

#### Notes:

- Fuel must contain an anti-icing additive when OAT in flight is expected to be below 0°C.
- Operation using fuels not containing FSII must not exceed 14 days and must be followed by an equivalent period using fuel containing FSII.

\*The AVTAG FSII (F-40) and TS-1 fuels are authorized only for OAT < plus 40°C.

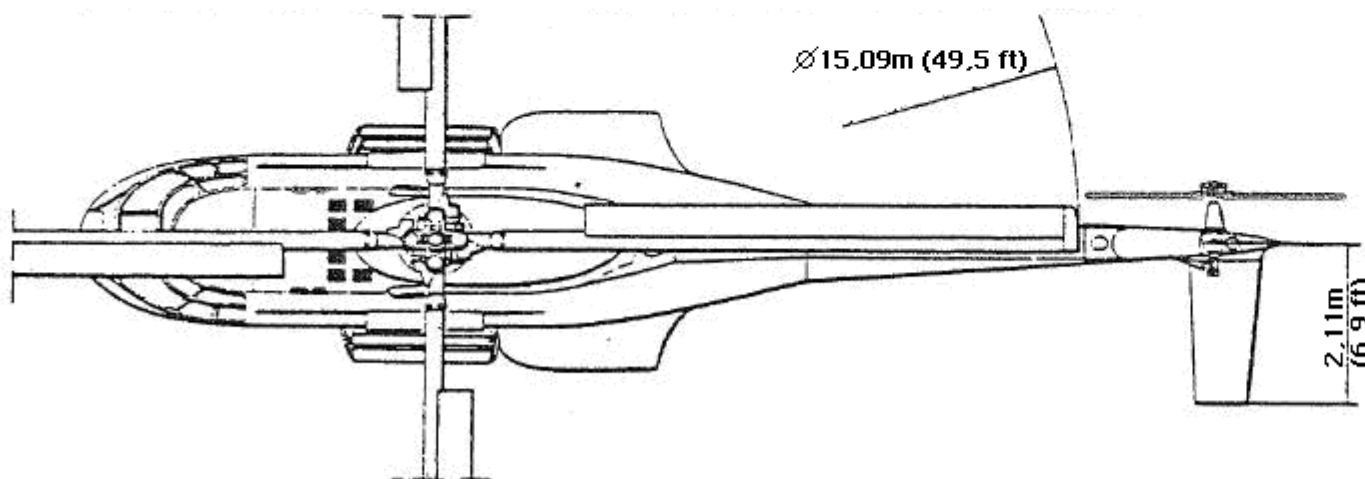
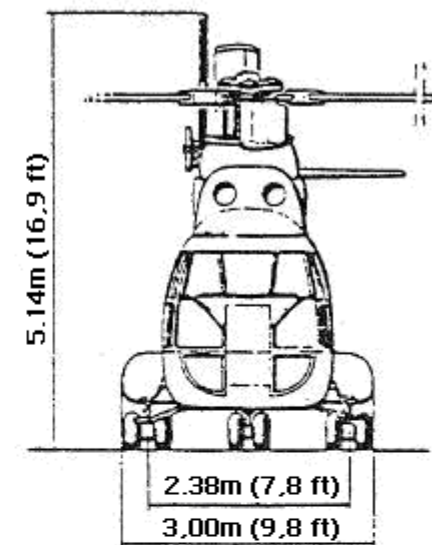
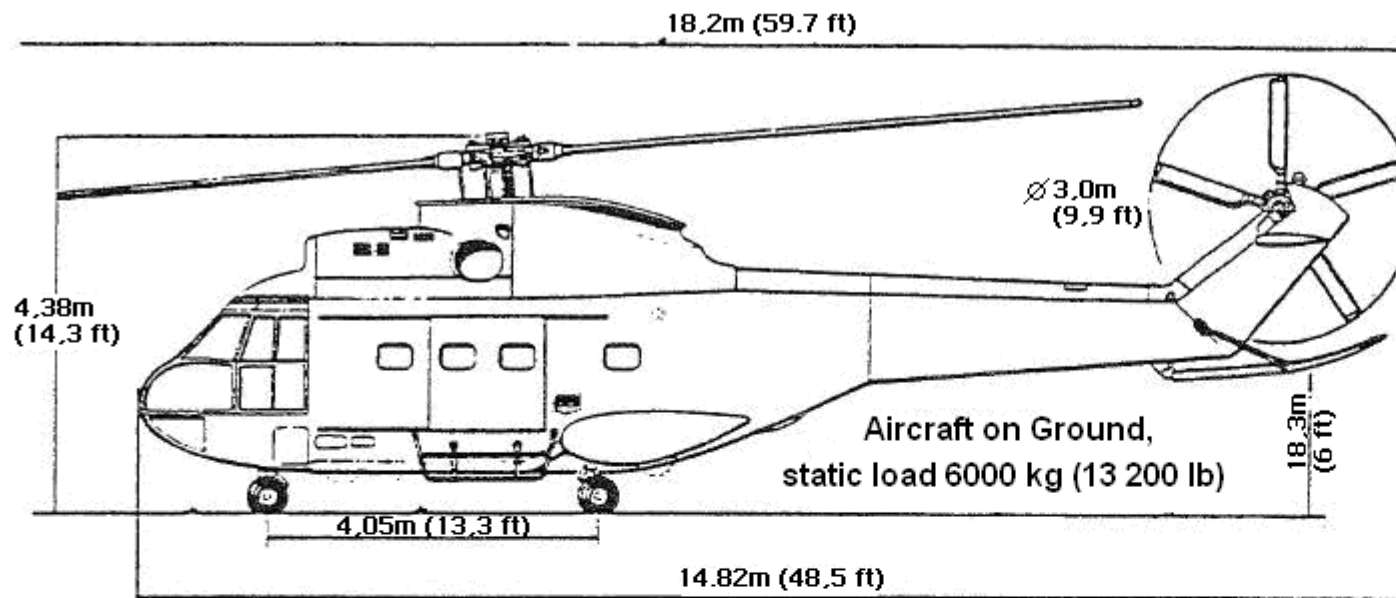
### Standard Lubricants & Fluids

System	Type	NSN	NATO Code	Specification	Remarks (Temp Range, etc)
Engine	OX-27	9150-99-2251747 (1L) 9150-99-2201940 (5L)	O-156	Def Stan 91-101	-30°C to +50°C <b>Approved Brands</b> Aeroshell 500 / 560 BP Turbo Oil 2380 Castrol 5000 Mobil Jet Oil II Total Aeroturbine 535 Turbonycoil 600
MRGB IGB TGB	OEP-70	9150-99-9100539 (25L) 9150-99-4773152 (5L)	O-155	Def Stan 91-112	-30°C to +50°C
MRH Hinges	OEP-70	9150-99-9100539 (25L) 9150-99-4773152 (5L)	O-155	Def Stan 91-112	-30°C to +50°C
MRH Drag Dampers Hydraulic	OM-15	9150-99-9100572 (5L) 9150-99-2244971 (1L)	H-515	Def Stan 91-48	-

### Alternative Lubricants & Fluids

Mixing different brands and types of oils is prohibited. If an oil type of different specification is to be used then flush the system iaw the AMM or EMM.					
System	Type	NSN	NATO Code	Specification	Remarks (Temp Range, etc)
Engine**	OX-9	9150-99-1134915	O-148	MIL-PRF-7808 (US)	-45°C to +30°C <b>Approved Brands</b> BP Turbo Oil 2398 Castrol 3C Castrol 325 Mobil Avrex S 256 Turbo Nycoil 160
	-	-	O-150	AIR 3514 (FR)	-45°C to +30°C <b>Approved Brands</b> Turbo Nycoil 13 B
	-	-	-	Aeroshell Turbine Oil 390	-45°C to +50°C
	OX 152	-	O-156 O-152	Def Stan 91-101	-30°C to +50°C <b>Approved Brands</b> Castrol Aerojet 5
	OX 27	-	O-156	Def Stan 91-101	-30°C to +50°C <b>Approved Brands</b> BT Turbo Oil 2197 Mobil Jet Oil 254
MRGB IGB TGB	OEP-30	9150-99-1797833 (5L)	O-153	Def Stan 91-112	-40°C to +10°C
	OX-27	9150-99-2251747 (1L) 9150-99-2201940 (5L)	O-156	Def Stan 91-101	-40°C to +10°C
	OX-9	9150-99-1134915	O-148	MIL-L-7808	-40°C to 0°C
	-	-	O-150	AIR 3514	-40°C to 0°C
MRH Hinges	OX-27	9150-99-2251747 (1L) 9150-99-2201940 (5L)	O-156	Def Stan 91-101	-40°C to +30°C
	OX-9	9150-99-1134915	O-148	MIL-L-7808	-40°C to 15°C
	-	-	O-150	AI 3514	-40°C to 15°C

\*\*Before using alternative oils in the Makila 1A1 refer to the Engine Maintenance Manual (EMM).



Puma HC Mk2 - Dimensions