

Leading Particulars - Merlin HM

Serial No. _____

Standard Fuels				
NATO Code No.	Joint Service Designation	UK Specification	US Designation	US Specification
F-24	-	-	JET A with Additives	ASTM D1655
F-34	AVTUR/FSII	DEF STAN 91-87	JP-8	MIL-DTL-83133
F-40	AVTAG/FSII	DEF STAN 91-88	JP-4	MIL-DTL-5624
F-44	AVCAT/FSII	DEF STAN 91-86	JP-5	MIL-DTL-5624

Alternative Fuels				
NATO Code No.	Joint Service Designation	UK Specification	US Designation	US Specification
F-35	AVTUR	DEF STAN 91-91	Jet A-1	ASTM D1655
-	-	-	Jet A	ASTM D1655

Tyre Pressures (Bar)		
Aircraft Condition	Main	Nose
Normal	11.4	12.9

Flight Information					
	A	B	C	D	E
AHRS Coefficients					
Bore Sight	Alpha		Beta		Gamma
Stick Position Offsets	Pitch		Roll		Coll

Standard Lubricants and Fluids				
System	Type	NATO Ref	Specification	NATO Code
ECU Oil	OX 27	-	Def Stan 2499-Def Stan 91-101	O - 156
MRGB	Aeroshell 555	9150-17-1083204	Def Stan 2497-Def Stan 91-100	O - 160
AGB	Aeroshell 555	9150-17-1083204	Def Stan 2497-Def Stan 91-100	O - 160
IGB	Aeroshell 555	9150-17-1083204	Def Stan 2497-Def Stan 91-100	O - 160
TRGB	Aeroshell 555	9150-17-1083204	Def Stan 2497-Def Stan 91-100	O - 160
APU	OX 27	-	Def Stan 2499-Def Stan 91-101	O - 156
Hydraulic Oil	OM 15	9150-99-9100572	Def Stan 91-48	H - 515
Windscreen Wash	AL 36	6850-99-2245397	DTD 900/4939	-

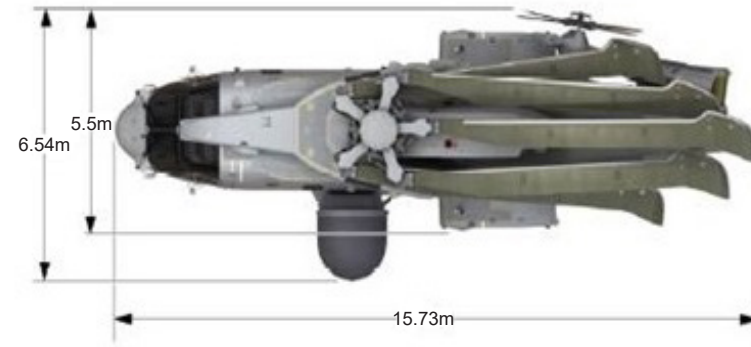
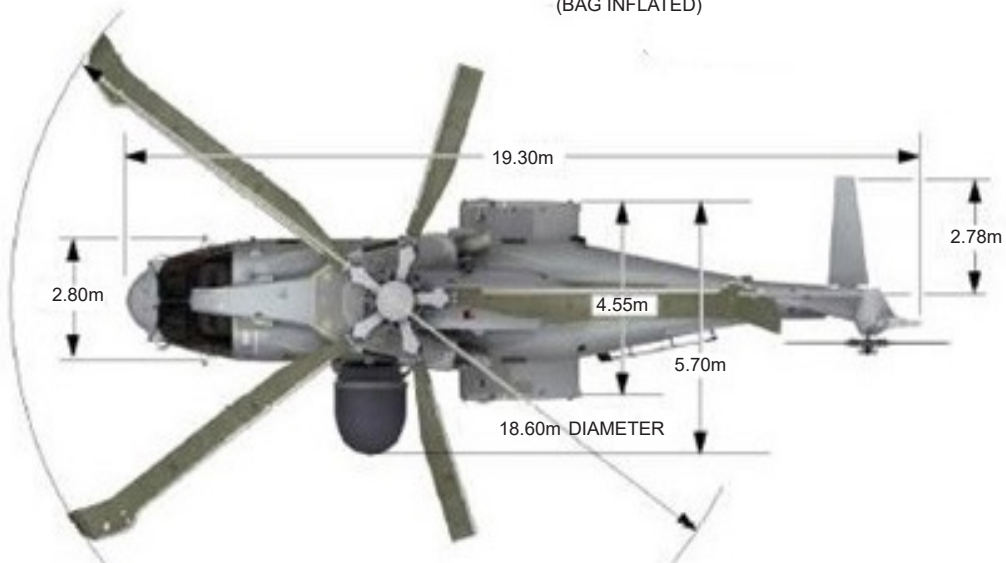
Mixing of mineral and synthetic oil is prohibited. Synthetic oils may be mixed in an emergency only. In an emergency, approved oils with same Def Stan specification can be mixed, after mixing at the earliest opportunity the oil system must be drained and refilled with an approved oil brand. Oils with different Def Stan must not be mixed.

Alternative Lubricants and Fluids				
System	Type	NATO Ref	Specification	NATO Code
ECU Oil	OX 9	-	Def Stan MIL - L - 7808	O - 148

Emergency Lubricants				
System	Type	NATO Ref	Specification	NATO Code
MRGB	Castrol or Exxon Turbo		Def Stan 2497 / Def Stan 91 - 100	O - 160
AGB				
IGB				
TRGB	Oil 25			
APU	OX 26	-	Def Stan 2497	O - 160

Miscellaneous Information

1. Use of fuel containing less than 0.10% FSII is limited to a maximum period of 14 days. After this period, the tanks must be emptied and refilled with fuel containing greater than 0.10% FSII which must then be used for at least an equivalent period. For periods more than 14 days, the use of fuel containing less than 0.10% FSII is subject to prior approval by the MDT and an increased sampling regime. JP-8 FSII percentage must be confirmed as 0.10% to 0.15% (due to US specification changes).



Merlin Mk2 with Crowsnest Overall Dimensions (Rotor and Tail Spread)

Merlin Mk2 with Crowsnest Overall Dimensions (Rotor and Tail Folded)