



MASS & BALANCE

A/C Type	T.Registration	S.N.	Flight Type
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AW-109 S	I-PNTD	22140	EMS
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Masses	Kg	CG Long.	MM Long.	CG Lat.	MM Lat.	Note
Dry Mass	2181.4	3479	7589090.6	2	4362.8	
Pilot mass	78	1385	108030	335	26130	
Copilot mass	67	1385	92795	-325	-21775	
Consumable loads	10	4280	42800	0	0	
Dry operating Mass	2336.4	3352.47	7832715.6	3.73	8717.8	

Spinning seat (DOCTOR)	56	2210	123760	304.8	17068.8	
Right fixed seat (ASSISTANT)	80	3492	279360	450	36000	
Central fixed seat	0	3492	0	0	0	
Stretcher section	0	2869	0	-450	0	
Passengers Load	136	2964.12	403120	390.21	53068.8	
Cabin load	32	2690.75	86104	-281.25	-9000	
Baggage Load	47.5	5767	273932.5	0	0	
Rescue Hoist Load	0	3190	0	953.5	0	
Floats (57,54)	0	3543	0	0	0	
Traffic Load	215.5	3541.33	763156.5	204.5	44068.8	

C	Zero Fuel Load Tot (A+B)	2552	3368.42	8595872.10	20.69	52786.60	
D1	Principal Fuel Tank	100	3732.00	373200.00	0.00	0.00	
D	TOT Fuel Load	100	3732.00	373200.00	0.00	0.00	
E	Trip and Taxi Fuel	572	0	0	0	0	
F	Remaining Fuel Load(D-E)	-472	3761	-1776696.40	0.000	0.00	
G	TO Mass Tot (C+D)	2652	3382.13	8969072.10	19.91	52786.60	
H	Final MIX LDG M.& M.	2090	3262.30	6819175.70	25.25	52786.60	

Helicopter Tecnical Logbook		Standard Variant Id.	Filled up by:	Commander:
HTL n°		Hospital Flight Type	Romagnoli	Romagnoli
Page n°		EMS	Signature:	
Flight n°		BASE ELISOCORSO DI:	Date	15/11/2018

OPERATIVE FLIGHT PLAN

SELECT AWG SPEED: 120

DEPARTURE BASE AND ENROUTE DATA		PRUA	FREQ. RADIO AIDS	INS. W.P. NAME OR ICAO CODE
DEPT	Aci Castello	Degrees		
	N 37° 33' 23" E 15° 8' 50"	NM		
1° LEG	Bassano Romano	335°		
	N 42° 13' 10" E 12° 11' 47"	311		

INFO WAYPOINTS AND ENROUTE NOTES

AVERAGE CONS kg/min	ESTIMATE ENDURANCE (MINUTES OF FLIGHT)					FLIGHT TIME min		
	INITIAL FUEL LOAD KG	ENDURANCE h min.		Res VFR	Res VFRN	MAX	REST	
3.6	100	0	27	28	36	-0	-156	
LEG	(min)	(Kg)	(Kg)	(Kg)	(min)	0	0	
N°	E.E.T.	Estimated necessary fuel	Estimated residual fuel	Real residual fuel	Real fuel consumption	E.T.E.	Start up time	Stop time
1	156	562	-462					
TOT	156	572	-462				TOTAL FLIGHT TIME	

MASS KG		DEPT		Warnings
ZERO FUEL LOAD	2551.9			Exceeded limits
RESERVE+CONT. F	100.08			Limits ok
RE-FUEL				FUEL
LOAD (patient)	0			Fill in flight
RESIDUAL PAY LOAD	523			Residual P.L. x 3175 Kg
TAKE OFF MASS	2652			TO/LDG Mass OK (3175 Kg) check FM for Cat. A TO/LDGS
LANDING MASS	2090			