



MASS & BALANCE

A/C Type	T.Registration	S.N.	Flight Type
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AW-109 S	I-PNTD	22140	TPP
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Masses	Kg	CG Long.	MM Long.	CG Lat.	MM Lat.	Note
Dry Mass	2181.4	3478.79	7588632.25	1.93	4210.1	
Pilot mass	85	1385	117725	335	28475	
Copilot mass	77	1385	106645	-325	-25025	
Consumable loads	10	4280	42800	0	0	
Dry operating Mass	2353.4	3338.07	7855802.25	3.25	7660.1	

Fwd seat right	80	2200	176000	450	36000	
Fwd seat central	79	2200	173800	0	0	
Fwd seat left	80	2200	176000	-450	-36000	
Aft seat right	80	3400	272000	450	36000	
Aft seat central	80	3400	272000	0	0	
Aft seat left	80	3400	272000	-450	-36000	
Passengers Load	479	2801.25	1341800	0	0	
Cabin Load	0	0	0	0	0	
Baggage Load	0	0	0	0	0	
Rescue Hoist Load	0	3190	0	953.5	0	
Floats (57,54)	0	3543	0	0	0	
Traffic Load	479	2801.25	1341800	0	0	

C	Zero Fuel Load Tot (A+B)	2832	3247.28	9197602.25	2.70	7660.10	
D1	Principal Fuel Tank	342	3818.00	1305756.00	42.00	14466.60	
D	TOT Fuel Load	342	3818.00	1305756.00	42.00	14466.60	
E	Trip and Taxi Fuel	440	3890	1712475	54.023	23782	
F	Remaining Fuel Load(D-E)	702	0	0.00	0	0.00	
G	TO Mass Tot (C+D)	3174	3308.77	10503358.25	6.97	22126.70	
H	Final MIX LDG M.& M.	3544	3388.95	12011034.27	2.16	7660.10	

Helicopter Technical Logbook		Standard Variant Id.	Filled up by:		Commander:	
HTL n°		Hospital Flight Type	Melillo	Melillo		
Page n°		TPP	Signature:			
Flight n°		BASE ELISOCORSO DI:		Date	11/12/2014	

OPERATIVE FLIGHT PLAN

SELECT AWG SPEED: 160

DEPARTURE BASE AND ENROUTE DATA		PRUA	FREQ. RADIO AIDS	INS. W.P. NAME OR ICAO CODE
DEPT	LICA	Degrees		
	N 38° 54' 28" E 16° 14' 30"	NM		
1° LEG	LIRN	324°		
	N 40° 53' 6" E 14° 17' 30"	149		
2° LEG	LIRL	303°		
	N 41° 32' 44" E 12° 54' 33"	74		
3° LEG	Terni	349°		
	N 42° 33' 58" E 12° 38' 58"	62		
4° LEG	San Benedetto del Tronto	66°		
	N 42° 57' 8" E 13° 52' 35"	59		

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
3.335	342		1	42	26	33	0	0
LEG	(min)	(Kg)	(Kg)	(Kg)	(Kg)	(min)	229	187
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	56	187	155	12	330	19:35	04:25:00	00:00:00
2	28	93	462				00:00:00	00:00:00
3	23	77	385				00:00:00	00:00:00
4	22	73	712				00:00:00	00:00:00
TOT	129	440	712	812	330	19:35	TOTAL FLIGHT TIME	

MASS KG	DEPT	1° LEG	2° LEG	3° LEG	Warnings
ZERO FUEL LOAD	2832.4	2832.4	2832.4	2832.4	Exceeded limits
RESERVE+CONT. F	76.04	71.37	70.54	70.37	Limits ok
RE-FUEL		400	0	400	FUEL
RESIDUAL PAY LOAD	1	-213	-119	-443	Residual P.L. x 3175 Kg
TAKE OFF MASS	3174	3388	3294	3618	TO/LDG Mass OK (3175 Kg) check FM for Cat. A TO/LDGS
LANDING MASS	2988	3294	3218	3544	