

 Elitaliana		MASS & BALANCE					
		A/C Type		T.Registration		S.N.	Flight Type
AI Bateen Executive Airport P.O Box 62030 Abu Dhabi United Arab Emirates Tel: +971 (0)2 444 8866 , Fax: +971 (0)2 444 0022		AW-109 S		I-PNTD		22140	TPP
Masses		Kg	CG Long.	MM Long.	CG Lat.	MM Lat.	Note
A	Dry Mass	2181.4	3478.79	7588632.51	1.93	4210.1	
	Pilot mass	80	1385	110800	335	26800	
	Copilot mass	85	1385	117725	-325	-27625	
	Consumable loads	10	4280	42800	0	0	
	Dry operating Mass	2356.4	3335.58	7859957.51	1.44	3385.1	
B	Fwd seat right	78	2200	171600	450	35100	
	Fwd seat central	0	2200	0	0	0	
	Fwd seat left	0	2200	0	-450	0	
	Aft seat right	0	3400	0	450	0	
	Aft seat central	0	3400	0	0	0	
	Aft seat left	0	3400	0	-450	0	
	Passengers Load	78	2200	171600	450	35100	
	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	78	2200	171600	450	35100	
C	Zero Fuel Load Tot (A+B)	2434	3299.19	8031557.51	15.81	38485.10	
D1	Principal Fuel Tank	450	3896.00	1753200.00	55.00	24750.00	
D	TOT Fuel Load	450	3896.00	1753200.00	55.00	24750.00	
E	Trip and Taxi Fuel	810	0	0	0	0	
F	Remaining Fuel Load(D-E)	-10	3761	-37610.00	0.000	0.00	
G	TO Mass Tot (C+D)	2884	3392.30	9784757.51	21.92	63235.10	
H	Final MIX LDG M. & M.	2435	3372.45	8212597.91	15.80	38485.10	
Helicopter Technical Logbook		Standard Variant Id.		Filled up by:		Commander:	
HTL n°		Hospital Flight Type		Romagnoli		Romagnoli	
Page n°		TPP		Signature:			
Flight n°		BASE ELISOCCORSO DI:		Date		18/08/2016	

OPERATIVE FLIGHT PLAN						SELECT AWG SPEED: 120
DEPARTURE BASE AND ENROUTE DATA				PRUA	FREQ. RADIO AIDS	INS. W.P. NAME OR ICAO CODE
DEPT	OMAD (AI Bateen Executive Airport)			Degrees	Airport	OMAA (Abu Dhabi International Airport)
	N 24° 25' 42" E 54° 27' 42"			NM		
1° LEG	OMRK (RAK Airport)			48°		
	N 25° 36' 38" E 55° 56' 38"			107		
2° LEG	OMAL (AI Ain International Airport)			193°		
	N 24° 15' 45" E 55° 36' 45"			83		
3° LEG	OMAA (Abu Dhabi International Airport)			281°		
	N 24° 25' 59" E 54° 39' 59"			53		
4° LEG	OMDB (Dubai International Airport)			37°		
	N 25° 15' 10" E 55° 21' 10"			62		
5° LEG	OMAD (AI Bateen Executive Airport)			225°		
	N 24° 25' 42" E 54° 27' 42"			70		
6° LEG	OMDB (Dubai International Airport)			44°		
	N 25° 15' 10" E 55° 21' 10"			70		

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	450		2	5	31	42	0	0
LEG	(min)	(Kg)	(Kg)	(Kg)	(Kg)	(min)	137	-31
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	54	194	256					
2	41	148	458					
3	26	94	364					
4	31	112	253					
5	35	126	127					
6	35	126	1					
TOT	222	810	1				TOTAL FLIGHT TIME	

MASS KG	DEPT	1° LEG	2° LEG	3° LEG	4° LEG	5° LEG	Warnings
ZERO FUEL LOAD	2434.4	2434.4	2434.4	2434.4	2434.4	2434.4	Exceeded limits
RESERVE+CONT. F	81.72	79.38	76.68	77.58	78.30	78.30	Limits ok
RE-FUEL		350	0	0	0	0	FUEL
RESIDUAL PAY LOAD	291	135	283	376	488	614	Residual P.L. x 3175 Kg
TAKE OFF MASS	2884	3040	2892	2799	2687	2561	TO/LDG Mass OK (3175 Kg) check FM for Cat. A
LANDING MASS	2690	2892	2799	2687	2561	2435	TO/LDGS