



MASS & BALANCE

A/C Type	T.Registration	S.N.	Flight Type
AW-109 SP	A6-SBS	N/A	COMMERCIAL

Al Bateen Executive Airport P.O Box
62030 Abu Dhabi United Arab Emirates
Tel: +971 (0)2 444 8866 , Fax: +971 (0)2
444 0022

	Masses	Kg	CG Long.	MM Long.	CG Lat.	MM Lat.	Note
A	Dry Mass	2321	3463.7	8039247.7	-17.4	-40385.4	
	Pilot mass	76	1385	105260	335	25460	
	Copilot mass	0	1385	0	-325	0	
	Consumable loads	10	4280	42800	0	0	
	Dry operating Mass	2407	3401.46	8187307.7	-6.2	-14925.4	

B	Fwd seat right	80	2200	176000	450	36000	
	Fwd seat central	0	2200	0	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	400	2920	1168000	0	0	
	Cabin Load	0	0	0	0	0	
	Baggage Load	25	4880	122000	0	0	
	Rescue Hoist Load	0	3190	0	953.5	0	
	Floats (57,54)	0	3543	0	0	0	
	Traffic Load	425	3035.29	1290000	0	0	

C	Zero Fuel Load Tot (A+B)	2832	3346.51	9477307.70	-5.27	-14925.40	
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D1	Principal Fuel Tank	342	3783.00	1293786.00	0.00	0.00	
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D	TOT Fuel Load	342	3783.00	1293786.00	0.00	0.00	
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E	Trip and Taxi Fuel	410	3828	1569174	0.000	0	
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F	Remaining Fuel Load(D-E)	-68	3761	-255447.12	0.000	0.00	
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G	TO Mass Tot (C+D)	3174	3393.54	10771093.70	-4.70	-14925.40	
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H	Final MIX LDG M.& M.	2775	3362.61	9331454.66	-5.38	-14925.40	
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Helicopter Tecnical Logbook		Standard Variant Id.	Filled up by:		Commander:	
HTL n°		Hospital Flight Type	Romagnoli		Romagnoli	
Page n°		COMMERCIAL	Signature:			

Flight n°		BASE ELISOCORSO DI:	BATPAL	Date	12/09/2016
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OPERATIVE FLIGHT PLAN

SELECT AWG SPEED:
120

DEPARTURE BASE AND ENROUTE DATA		PRUA	FREQ. RADIO AIDS	INS. W.P. NAME OR ICAO CODE
DEPT	MUSHRIF PALACE (Mushrif Palace)	Degrees		
	N 24° 27' 7" E 54° 22' 38"	NM		
1° LEG	FATER ISLAND	267°		
	N 24° 22' 17" E 52° 51' 16"	83		
2° LEG	OMAJ (Jebel Dhana)	232°		
	N 24° 11' 40" E 52° 36' 24"	17		
3° LEG	OMAH (Al Hamra Military Airport)	228°		
	N 24° 4' 26" E 52° 27' 49"	11		
4° LEG	OMAJ (Jebel Dhana)	48°		
	N 24° 11' 40" E 52° 36' 24"	11		
5° LEG	PBTNA (Bateen Palace)	81°		
	N 24° 26' 31" E 54° 21' 31"	97		

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
3.66	342		1	33	25	31	68	-41
LEG	(min)	(Kg)	(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	42	154	188					
2	9	33	155					
3	5	18	137					
4	5	18	119					
5	48	176	-57					
TOT	109	410	-57				TOTAL FLIGHT TIME	

MASS KG	DEPT	1° LEG	2° LEG	3° LEG	4° LEG	Warnings
ZERO FUEL LOAD	2832	2832	2832	2832	2832	Exceeded limits
RESERVE+CONT. F	80.89	74.85	74.12	74.12	81.98	Limits ok

RE-FUEL		0	0	0	0	FUEL
RESIDUAL PAY LOAD	1	155	188	206	224	Residual P.L. x 3175 Kg

TAKE OFF MASS	3174	3020	2987	2969	2951	TO/LDG Mass OK (3175 Kg) check FM for Cat. A TO/LDGS
LANDING MASS	3020	2987	2969	2951	2775	