



MASS & BALANCE

A/C Type	T.Registration	S.N.	Flight Type
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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

AW-109 S	I-PNTD	22140	EMS
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Masses	Kg	CG Long.	MM Long.	CG Lat.	MM Lat.	Note
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A	Dry Mass	2181.4	3479	7589090.6	2	4362.8	
	Pilot mass	81	1385	112185	335	27135	
	Copilot mass	0	1385	0	-325	0	
	Consumable loads	10	4280	42800	0	0	
	Dry operating Mass	2272.4	3407.88	7744075.6	13.86	31497.8	

B	Spinning seat (DOCTOR)	0	2210	0	304.8	0	
	Right fixed seat (ASSISTANT)	0	3492	0	450	0	
	Central fixed seat	0	3492	0	0	0	
	Stretcher section	0	2869	0	-450	0	
	Passengers Load	0	0	0	0	0	
	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	79.5	4528.76	360036.5	-113.21	-9000	

C	Zero Fuel Load Tot (A+B)	2352	3445.77	8104112.10	9.57	22497.80	
D1	Principal Fuel Tank	450	3951.00	1777950.00	0.00	0.00	
D	TOT Fuel Load	450	3951.00	1777950.00	0.00	0.00	
E	Trip and Taxi Fuel	151	3593	543262	0.000	0	
F	Remaining Fuel Load(D-E)	299	3808	1137830.40	0.000	0.00	
G	TO Mass Tot (C+D)	2802	3526.91	9882062.10	8.03	22497.80	
H	Final MIX LDG M.& M.	2662	3472.46	9241942.50	8.45	22497.80	

Helicopter Technical 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	07/05/2017

OPERATIVE FLIGHT PLAN

SELECT AWG SPEED: 130

DEPARTURE BASE AND ENROUTE DATA		PRUA	FREQ. RADIO AIDS	INS. W.P. NAME OR ICAO CODE
DEPT	PBTNA (Bateen Palace)	Degrees	Airport	OMDB (Dubai International Airport)
	N 24° 26' 31" E 54° 21' 31"	NM		
1° LEG	PASPJ (Ajman Sea Palace)	46°		
	N 25° 25' 30" E 55° 28' 30"	85		

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	22	24	103	64
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	39	140	310					
TOT	39	151	310				TOTAL FLIGHT TIME	

MASS KG	DEPT	Warnings
ZERO FUEL LOAD	2351.9	Exceeded limits
RESERVE+CONT. F	79.02	Limits ok
RE-FUEL		FUEL
LOAD (patient)	0	Fill in flight
RESIDUAL PAY LOAD	373	Residual P.L. x 3175 Kg
TAKE OFF MASS	2802	TO/LDG Mass OK (3175 Kg) check FM for Cat. A TO/LDGS
LANDING MASS	2662	