



### MASS & BALANCE

A/C Type	T.Registration	S.N.	Flight Type
AW-109 S	A6-FLS	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
Dry Mass	2141	3483.28	7457702.48	7.9	16913.9	
Pilot mass	80	1385	110800	335	26800	
Copilot mass	85	1385	117725	-325	-27625	
Consumable loads	10	4280	42800	0	0	
<b>Dry operating Mass</b>	<b>2316</b>	<b>3337.23</b>	<b>7729027.48</b>	<b>6.95</b>	<b>16088.9</b>	

Fwd seat right	85	2200	187000	450	38250	
Fwd seat central	0	2200	0	0	0	
Fwd seat left	0	2200	0	-450	0	
Aft seat right	85	3400	289000	450	38250	
Aft seat central	0	3400	0	0	0	
Aft seat left	0	3400	0	-450	0	
<b>Passengers Load</b>	<b>170</b>	<b>2800</b>	<b>476000</b>	<b>450</b>	<b>76500</b>	
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	
<b>Traffic Load</b>	<b>170</b>	<b>2800</b>	<b>476000</b>	<b>450</b>	<b>76500</b>	

<b>C</b>	<b>Zero Fuel Load Tot (A+B)</b>	<b>2486</b>	<b>3300.49</b>	<b>8205027.48</b>	<b>37.24</b>	<b>92588.90</b>	
<b>D1</b>	<b>Principal Fuel Tank</b>	<b>450</b>	<b>3849.00</b>	<b>1732050.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>D</b>	<b>TOT Fuel Load</b>	<b>450</b>	<b>3849.00</b>	<b>1732050.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>E</b>	<b>Trip and Taxi Fuel</b>	<b>256</b>	<b>3711</b>	<b>950758</b>	<b>0.000</b>	<b>0</b>	
<b>F</b>	<b>Remaining Fuel Load(D-E)</b>	<b>194</b>	<b>3587</b>	<b>695160.60</b>	<b>0.000</b>	<b>0.00</b>	
<b>G</b>	<b>TO Mass Tot (C+D)</b>	<b>2936</b>	<b>3384.56</b>	<b>9937077.48</b>	<b>31.54</b>	<b>92588.90</b>	
<b>H</b>	<b>Final MIX LDG M.&amp; M.</b>	<b>2691</b>	<b>3359.71</b>	<b>9040227.42</b>	<b>34.41</b>	<b>92588.90</b>	

<b>Helicopter Tecnical Logbook</b>	<b>Standard Variant Id.</b>	<b>Filled up by:</b>	<b>Commander:</b>
<b>HTL n°</b>	<b>Hospital Flight Type</b>	Romagnoli	Romagnoli
<b>Page n°</b>	<b>COMMERCIAL</b>	Signature:	
<b>Flight n°</b>	<b>BASE ELISOCCORSO DI:</b>	<b>Date</b>	14/12/2016

### OPERATIVE FLIGHT PLAN

SELECT AWG SPEED:  
120

DEPARTURE BASE AND ENROUTE DATA		PRUA	FREQ. RADIO AIDS	INS. W.P. NAME OR ICAO CODE
<b>DEPT</b>	OMAD (Al Bateen Executive Airport)	Degrees		
	N 24° 25' 42" E 54° 27' 42"	NM		
<b>1° LEG</b>	OMAL (Al Ain International Airport)	99°		
	N 24° 15' 45" E 55° 36' 45"	64		
<b>2° LEG</b>	PBTNA (Bateen Palace)	279°		
	N 24° 26' 31" E 54° 21' 25"	69		

#### 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	450	2	2	23	27	100	33	
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	32	117	333					
2	35	128	205					
<b>TOT</b>	<b>67</b>	<b>256</b>	<b>205</b>			<b>TOTAL FLIGHT TIME</b>		

MASS KG	DEPT	1° LEG	Warnings
<b>ZERO FUEL LOAD</b>	2486	2486	Exceeded limits
<b>RESERVE+CONT. F</b>	79.06	79.61	Limits ok
<b>RE-FUEL</b>		0	FUEL
<b>RESIDUAL PAY LOAD</b>	239	356	Residual P.L. x 3175 Kg
<b>TAKE OFF MASS</b>	2936	2819	TO/LDG Mass OK (3175 Kg) check FM for Cat. A TO/LDGS
<b>LANDING MASS</b>	2819	2691	