



## MASS & BALANCE

A/C Type	T.Registration	S.N.	Flight Type
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**ELITALIANA S.p.A. Via Salaria 2061 - 00138 - ROMA**

AW-109 S	I-PNTD	22140	EMS
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	Masses	Kg	CG Long.	MM Long.	CG Lat.	MM Lat.	Note
<b>A</b>	Dry Mass	2203	3458	7617974	15.72	34631.16	
	Pilot mass	0	1385	0	335	0	
	Copilot mass	0	1385	0	-325	0	
	Consumable loads	10	4280	42800	0	0	
	<b>Dry operating Mass</b>	<b>2213</b>	<b>3461.71</b>	<b>7660774</b>	<b>15.65</b>	<b>34631.16</b>	
<b>B</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	
	<b>Passengers Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
	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	
	<b>Traffic Load</b>	<b>79.5</b>	<b>4528.76</b>	<b>360036.5</b>	<b>-113.21</b>	<b>-9000</b>	
<b>C</b>	<b>Zero Fuel Load Tot (A+B)</b>	<b>2292.50</b>	<b>3498.72</b>	<b>8020810.50</b>	<b>11.18</b>	<b>25631.16</b>	
<b>D1</b>	<b>Principal Fuel Tank</b>	<b>0</b>	<b>3761.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>D</b>	<b>TOT Fuel Load</b>	<b>0</b>	<b>3761.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>E</b>	<b>Trip and Taxi Fuel</b>	<b>0</b>	<b>3761</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>F</b>	<b>Remaining Fuel Load(D-E)</b>	<b>0.00</b>	<b>3761</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	
<b>G</b>	<b>TO Mass Tot (C+D)</b>	<b>2292.50</b>	<b>3498.72</b>	<b>8020810.50</b>	<b>11.18</b>	<b>25631.16</b>	
<b>H</b>	<b>Final MIX LDG M.&amp; M.</b>	<b>2292.50</b>	<b>3498.72</b>	<b>8020810.50</b>	<b>11.18</b>	<b>25631.16</b>	
<b>Helicopter Technical Logbook</b>		<b>Standard Variant Id.</b>		<b>Filled up by:</b>		<b>Commander:</b>	
<b>HTL n°</b>		<b>Hospital Flight Type</b>					
<b>Page n°</b>		<b>EMS</b>		Signature:			
<b>Flight n°</b>		<b>BASE ELISOCORSO DI:</b>		<b>Date</b>	18/11/2014		

## OPERATIVE FLIGHT PLAN

SELECT AWG SPEED: 90

DEPARTURE BASE AND ENROUTE DATA	PRUA	FREQ. RADIO AIDS	INS. W.P. NAME OR ICAO CODE								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><b>DEPT</b></td> <td>Cassino</td> <td>Degrees</td> <td></td> </tr> <tr> <td></td> <td>N 41° 29' 38" E 13° 49' 44"</td> <td>NM</td> <td></td> </tr> </table>	<b>DEPT</b>	Cassino	Degrees			N 41° 29' 38" E 13° 49' 44"	NM				
<b>DEPT</b>	Cassino	Degrees									
	N 41° 29' 38" E 13° 49' 44"	NM									

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	0	0	0	0	0	0	0	0
<b>LEG</b>	(min)	(Kg)	(Kg)	(Kg)	(Kg)	(min)		
<b>N°</b>	E.E.T.	Estimated necessary fuel	Estimated residual fuel	Real residual fuel	Real fuel consumption	E.T.E.	Start up time	Stop time
<b>TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>TOTAL FLIGHT TIME</b>	

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