



## G-EC135T2+ - EC 135 T2+

### Aircraft Configuration

#### FGA Demo

File	Name	Version	Changes
ADF	G-EC135T2+.adf	72.1	36
ADV	G-EC135T2+.adv	48.1	5

	Weight	Long CG	Lat CG
Basic Aircraft	1905.51	4545	0

#### Equipment Lists

Equipment List 1	Weight (kg)	Long CG (mm)	Lat CG (mm)	Fitted	FF Pen (KIAS)	WAT Pen (kg)	WAT Pen2 (kg)	ROC Pen (ft/min)	Validation
SX16 IFCO	40.46	2018	-850	Yes	0	0	0	0	Validated
WESCAM camera FLIR et bras	53.96	1942	850	Yes	0	0	0	0	Validated
console operateur	37.41	3210.51	300	Yes	0	0	0	0	Validated
Deuxieme console operateur	13.1	3216	-300	No	0	0	0	0	Validated
Banquette utilitaire	33.23	4400	0	No	0	0	0	0	Validated
Treuil rentre et accessoires	63.31	3649	-850	No	0	0	0	0	Validated
coupe cable patins	3.04	1989	0	No	0	0	0	0	Validated
reservoir carburant supp	36.11	5100	0	No	0	0	0	0	Validated
3 sieges pax dos au vol	37.35	3250	0	No	0	0	0	0	Validated
1 siege operateur FLIR	11.09	3985	0	No	0	0	0	0	Validated
1 siege pax bas sens contraire au vol	11.09	3180	0	No	0	0	0	0	Validated
Double crochet de charge avec miroir	26.72	3270	0	No	0	0	0	0	Validated
Dispositif helicordage droite	13.08	3700	880	No	0	0	0	0	Validated
Dispositif helicordage gauche	13.08	3700	-880	No	0	0	0	0	Validated
Filet de securite	1.17	1964	0	No	0	0	0	0	Validated
siege copil sens contraire au vol	12.47	2649	-370	No	0	0	0	0	Validated
PAX DEBOUT	90	3761	-485	No	0	0	0	0	Validated
Filtre anti sable	26.09	3545	0	No	0	0	0	0	Validated

Equipment List 2	Weight (kg)	Long CG (mm)	Lat CG (mm)	Fitted	FF Pen (KIAS)	WAT Pen (kg)	WAT Pen2 (kg)	ROC Pen (ft/min)	Validation
FLIR LEO II	41	1865	780	No	0	25	0	0	Validated
FLIR Controller LEO II	1.42	3010	0	No	0	0	0	0	Validated
SX 16 Nitesun	28	1890	-780	No	0	45	0	0	Validated
Nitesun Controller	0.59	2875	0	No	0	0	0	0	Validated
Microwave Downlink	5.15	4109	1000	No	0	0	0	0	Validated
Removable Avionics Rack	29.5	5053.4	360	No	0	0	0	0	Validated
Rear Observer Work Station	10	3155	360	No	0	0	0	0	Validated
Dispatcher Harness Tie Down	1	3100	0	No	0	0	0	0	Validated
Centre Console Extension	5.5	2940	0	No	0	0	0	0	Validated
Fwd LCD Monitor	7	1930	-360	No	0	0	0	0	Validated
Ballast Block RH	8.65	2180	850	No	0	0	0	0	Validated
Ballast Block LH	8.65	2180	-850	No	0	0	0	0	Validated

Equipment List 4	Weight (kg)	Long CG (mm)	Lat CG (mm)	Fitted	FF Pen (KIAS)	WAT Pen (kg)	WAT Pen2 (kg)	ROC Pen (ft/min)	Validation
RFM + AERADS	6	2400	0	No	0	0	0	0	Validated
Dual Control Covers	0.18	1613	-360	No	0	0	0	0	Validated
Dual Controls	4.41	1934	-360	No	0	0	0	0	Validated
Floats detachable items	49.82	4358	0	No	0	25	0	0	Validated
Liferaft inc Premiair Stowage	22.8	2900	376	No	0	0	0	0	Validated

Cargo	Weight (kg)	Long CG (mm)	Lat CG (mm)	Fitted	FF Pen (KIAS)	WAT Pen (kg)	WAT Pen2 (kg)	ROC Pen (ft/min)	Validation
Cargo Front	50	3850	0	No	0	0	0	0	Validated
Cargo Hook	16.6	3700	0	No	0	0	0	0	Validated
Ballast	20	2428	-360	No	0	0	0	0	Validated
Hook Load	500	4200	0	No	0	0	0	0	Validated
External Mirror	3.85	1100	420	No	0	0	0	0	Validated
Cargo Net	13	5215	0	No	0	0	0	0	Validated
Cargo Rear	20	4750	0	Yes	0	0	0	0	Validated
Charge treuil	90	3339	-1318	No	0	0	0	0	Validated

Seats	Weight (kg)	Long CG (mm)	Lat CG (mm)	Fitted	Validation				
Pilot Seat	12.28	2628	360	Yes	Validated				

Co Pilot Seat	12.28	2628	-360	Yes	Validated
Stationary Seat Fwd Center	11.8	3724	-122	No	Validated
Stationary Seat FWD LH	11.8	3211.8	-490	No	Validated
Martin Baker Seat RH	13.6	4341	-9	No	Validated
Martin Baker Seat LH	13.6	3595	-360	No	Validated
Bench Seat 1 a/f	11	3918	367	No	Validated
Bench Seat 2 a/f	11	4391	-36	No	Validated
Bench Seat 3 a/f	11	4415	-494	No	Validated
Rear Seat 1 f/f	11.1	4400	360	No	Validated
Rear Seat 2 f/f	11.1	4400	-360	No	Validated

POB	Weight (kg)	Long CG (mm)	Lat CG (mm)	Fitted	Validation
Pilot	0	2628	360	No	Validated
Co-Pilot	0	2628	-360	No	Validated
POB for Stationary Seat FWD Center	0	3724	-122	No	Validated
POB for Stationary Seat FWD LH	0	3211.8	-490	No	Validated
Passenger MB Seat RH	0	4341	-9	No	Validated
Passenger MB Seat LH	0	3595	-360	No	Validated
Bench Passenger 1 a/f	0	3918	367	No	Validated
Bench Passenger 2 a/f	0	4391	-36	No	Validated
Bench Passenger 3 a/f	0	4415	-494	No	Validated
Rear Passenger 1 f/f	0	4400	360	No	Validated
Rear Passenger 2 f/f	0	4400	-360	No	Validated

## RoleFits

RF1 POLICE	Weight	Long CG	Lat CG
SX16 IFCO	40.46	2018	-850
WESCAM camera FLIR et bras	53.96	1942	850
console operateur	37.41	3210.51	300
Banquette utilitaire	33.23	4400	0
1 siege operateur FLIR	11.09	3985	0
FLIR LEO II	41	1865	780
FLIR Controller LEO II	1.42	3010	0

SX 16 Nitesun	28	1890	-780
Nitesun Controller	0.59	2875	0
Microwave Downlink	5.15	4109	1000
Removable Avionics Rack	29.5	5053.4	360
Rear Observer Work Station	10	3155	360
Dispatcher Harness Tie Down	1	3100	0
Centre Console Extension	5.5	2940	0
Fwd LCD Monitor	7	1930	-360
RFM + AERADS	6	2400	0
Dual Control Covers	0.18	1613	-360
Cargo Rear	20	4750	0
Pilot Seat	12.28	2628	360
Co Pilot Seat	12.28	2628	-360
Bench Seat 3 a/f	11	4415	-494

RF1 POLICE Validation status: Validated

RF2 Mission police	Weight	Long CG	Lat CG
SX16 IFCO	40.46	2018	-850
WESCAM camera FLIR et bras	53.96	1942	850
console operateur	37.41	3210.51	300
Deuxieme console operateur	13.1	3216	-300
Cargo Rear	20	4750	0
Pilot Seat	12.28	2628	360
Co Pilot Seat	12.28	2628	-360
Bench Seat 1 a/f	11	3918	367
Bench Seat 3 a/f	11	4415	-494

RF2 Mission police Validation status: Validated

RF3 Configuration GISV	Weight	Long CG	Lat CG
coupe cable patins	3.04	1989	0
Pilot Seat	12.28	2628	360
Co Pilot Seat	12.28	2628	-360
Martin Baker Seat LH	13.6	3595	-360

RF3 Configuration GISV Validation status: Validated

## Equipment Loading Logic

Rule	Description	Validation
1	When Ballast Block RH is fitted to the aircraft, FLIR LEO II must be removed from the aircraft.	Validated
2	When Ballast Block LH is fitted to the aircraft, SX 16 Nitesun must be removed from the aircraft.	Validated
46	When Dual Control Covers is fitted to the aircraft, Dual Controls must be removed from the aircraft.	Validated
47	When Dual Controls is fitted to the aircraft, Dual Control Covers must be removed from the aircraft.	Validated
3	When FLIR LEO II is fitted to the aircraft, Ballast Block RH must be removed from the aircraft.	Validated
4	When SX 16 Nitesun is fitted to the aircraft, Ballast Block LH must be removed from the aircraft.	Validated
5	When FLIR LEO II is removed from the aircraft, Ballast Block RH must be fitted to the aircraft.	Validated
6	When SX 16 Nitesun is removed from the aircraft, Ballast Block LH must be fitted to the aircraft.	Validated
7	When Ballast Block RH is removed from the aircraft, FLIR LEO II must be fitted to the aircraft.	Validated
8	When Ballast Block LH is removed from the aircraft, SX 16 Nitesun must be fitted to the aircraft.	Validated