

Remote Helicopters

Ident: C-GRHA

Model: Bell 212 VFR

Serial: 30791

REV: C-GRHA S/N:30791 [2022-11-08T21:09:16.662Z]

Empty Weight and Balance Report

Description	Action	Weight lbs	Long Arm in	Moment(H) lb-in	Lat Arm in	Moment(L) lb-in
Scaled On: 2018-11-07	As weighed	6748.50lbs	143.57in	968880.76lb-in	0.13in	868.33lb-in
EMPTY WEIGHT C of G - Total:		6748.5	143.57	968880.76	0.13	868.33

Amendment # 1 Dated: 2019-03-25

Part #	STC #	Description	Option	Weight lbs	Long Arm in	Moment(H) lb-in	Lat Arm in	Moment(L) lb-in
		Survival Kits	Installed	58.00	68.80	3990.40	0.00	0.00
	CAR 602.6	Survival Kit	Removed	36.00	68.80	2476.80	0.00	0.00
EMPTY WEIGHT C of G - Total:				6770.50	143.33	970394.36	0.13	868.33

Amendment # 2 Dated: 2022-04-26

Part #	STC #	Description	Option	Weight lbs	Long Arm in	Moment(H) lb-in	Lat Arm in	Moment(L) lb-in
	SH97-3	Alpine Exhaust Ejector Deflectors	Installed	7.93	241.52	1915.25	0.00	0.00
	SH20-4	Avio Ipad Mount	Installed	2.50	35.00	87.50	0.00	0.00
	SH03-14	Dart GPS Mount	Removed	0.89	24.00	21.36	0.00	0.00
		Hyd accumulators delete	Removed	4.90	139.70	684.53	2.00	9.80
		Survival Kits	Removed	58.00	68.80	3990.40	0.00	0.00
EMPTY WEIGHT C of G - Total:				6717.14	144.06	967700.82	0.13	858.53

Equipment Lists

Installed Equipment List

Part #	STC #	Description	Weight lbs	Long Arm in	Lat Arm in
D412-760-211		212 Aux Tanks - 20 Gallons L/H and R/H	41.90	149.20	0.00
		212 Cargo Hook (Load Location)	0.00	137.50	0.00
		212 Hover Exit Position (Load Location)	0.00	102.00	54.00
	SH96-41	AAI Avionics Rainshield	3.50	-2.00	0.00
	SH97-77	AAI High Crosstube Aft	44.10	163.00	0.00
	SH97-77	AAI High Crosstube Fwd	32.30	71.65	0.00
	SH02-28	Alpine Boost Pump Drain Reservoir	4.20	213.37	7.58
	SH01-60	Alpine C/Box Drain Reservoir	1.10	211.11	1.74
	SH97-3	Alpine Exhaust Ejector Deflectors	7.93	241.52	0.00
	SH93-18	Am Safe 9 Man Shoulder Restraint Kit	22.00	130.00	0.00
	SH20-4	Avio Ipad Mount	2.50	35.00	0.00
		BALLAST Battery (RHA)	103.50	-11.50	7.00
		BALLAST L/H (RHA)	65.00	-4.10	-20.50
		BALLAST R/H (RHA)	65.00	-4.10	20.50
	SH08-55	BLR Fast Fin	1.60	445.50	0.00
	SH01-28	BLR Strake Kit	5.50	327.00	0.00
	SH95-36	Concorde Battery	86.00	-11.50	7.00
	SH04-7	Dart 4 Man Side Facing Shoulder Restraint Kit	7.60	147.00	0.00
	SH05-11	Dart Avionics Riser	2.30	37.00	0.00
	SH07-37	Dart Baggage Protector Kit	29.70	294.00	-0.30
	SH04-25	Dart C-Box Oil Cooler Line Access	1.20	238.00	0.00
	SH04-7	Dart Co-Pilots Shoulder Harness	-2.60	47.00	-22.00
	SH04-25	Dart Driveshaft Tunnel Mod	1.10	189.00	0.00
	SH04-25	Dart Intake Plenum Access Panel	2.50	175.00	0.00
	SH92-43	Dart L/H Automatic Door Opener	1.08	36.20	-35.00
	SH93-34	Dart L/H Manual Cargo Release	3.20	21.00	-16.00
	SH 96-57	Dart L/H Step	14.00	94.50	-50.00
	SH04-25	Dart N1 Gearbox Access Panel	1.00	166.00	0.00
	SH04-7	Dart Pilots Shoulder Harness	-2.60	47.00	22.00
	SH92-43	Dart R/H Automatic Door Opener	1.08	36.20	35.00
	SH96-57	Dart R/H Step	14.00	94.50	50.00
	SH92-43	Dart Sliding Door Handle	3.80	96.00	0.00
	SH92-43	Dart Sliding Door Roller	1.64	130.00	0.00
	SH92-43	Dart Sliding Door Track	0.50	130.00	0.00
	SH92-55	Dart Vertical Reference Door	2.00	50.80	-40.00
	SH94-40	Dual Mirrors and Pulse Light(Alpine)	6.50	3.12	0.00
	SH94-40	Dual Mirrors (Alpine)	5.50	3.12	0.00
	CAR 602.6	Fire extinguisher cabin L/H	4.50	68.00	-34.63
	CAR 602.6	Fire extinguisher cabin R/H	4.50	53.00	32.63
	CAR 602.6	First Aid Kit	2.00	70.00	0.00
	CAR 602.6	Flight Manual	3.00	64.00	0.00
	SH93-50	Onboard systems cargo hook	32.00	137.50	0.00
	C-LSH11-131/D	SEI Sacksafoam Kit	1.10	46.50	3.00
		USB Charging Port	0.00	null	null

Optional Equipment List

Part #	STC #	Description	Weight lbs	Long Arm in	Lat Arm in
		4 Man Aft Facing Seat	55.00	87.00	0.00
	SH20-19	Alpine Barrier	4.30	64.00	0.00
	SH96-42	Dart Bear Paws	23.00	172.00	0.00
		Dual Flight Controls	9.00	36.60	-22.80

Radio Equipment List

Part #	STC #	Description	Weight lbs	Long Arm in	Lat Arm in
		Audio Panel JA-94 Rear	1.99	78.00	-4.00
		Audio Panel JA-94 Pilot / Co-Pilot	1.99	35.00	-3.00
		COMM 1 Antenna	2.00	42.00	10.00
		COMM 2 Antenna	2.00	68.00	-34.63
	TSO C37d-C38d-c	Garmin SL40 VHF COMM 1	2.00	43.00	2.00
	TSO C37d-C38d-c	Garmin SL40 VHF COMM 2	2.00	44.50	2.00
	TSO-C126	Kannad 406 ELT	2.20	68.00	34.63
	TSO-C126	Kannad 406 ELT Antenna	0.70	92.00	50.00
	SH03-30	Skytrax CDP-300	0.73	40.00	0.00
	SH03-30	Skytrax DM-300	6.00	39.00	0.00
	SH03-30	Skytrax ISAT-200 Transceiver	4.02	21.00	-4.00
	SH03-30	Skytrax ISAT-200 Tray	1.00	21.00	-4.00
	SH97-10	TDFM - 136A	3.50	29.00	-3.00
		TDFM - 136A Antenna	1.50	28.00	23.00
		TDFM Antenna	1.50	28.00	-23.00
	SH97-10	TDFM-136	3.50	50.00	0.00
	SH97-10	TFM-30	3.50	35.00	-3.00
		TFM-30 Antenna	2.50	42.00	-10.00
		Transponder	3.10	41.50	2.00

Weight and Balance Temp Configurations

Scaled On: 2018-11-07

Amendment # 2 Dated: 2022-04-26

DC	BP	BAR	AS	TC	Num	Weight lbs	Long Arm in	Moment(H) lb-in	Lat Arm in	Moment(L) lb-in	Graph vs [CofG]	Most Fwd Pos	Most Aft Pos
					0	6717.14	144.06	967700.82	0.13	858.53	Standard	9121.64lbs@132.80	8397.64lbs@143.69
			X		1	6772.14	143.60	972485.82	0.13	858.53	Standard	9176.64lbs@132.53	8452.64lbs@143.32
		X			2	6721.44	144.01	967976.02	0.13	858.53	Standard	9125.94lbs@132.77	8401.94lbs@143.65
		X	X		3	6776.44	143.55	972761.02	0.13	858.53	Standard	9180.94lbs@132.50	8456.94lbs@143.28
	X				4	6740.14	144.16	971656.82	0.13	858.53	Standard	9144.64lbs@132.90	8420.64lbs@143.77
	X			X	5	6795.14	143.70	976441.82	0.13	858.53	Standard	9199.64lbs@132.63	8475.64lbs@143.40
	X	X			6	6744.44	144.11	971932.02	0.13	858.53	Standard	9148.94lbs@132.87	8424.94lbs@143.73
	X	X	X		7	6799.44	143.65	976717.02	0.13	858.53	Standard	9203.94lbs@132.60	8479.94lbs@143.36
X					8	6726.14	143.92	968030.22	0.10	653.33	Standard	9130.64lbs@132.71	8406.64lbs@143.58
X				X	9	6781.14	143.46	972815.22	0.10	653.33	Standard	9185.64lbs@132.44	8461.64lbs@143.21
X		X			10	6730.44	143.87	968305.42	0.10	653.33	Standard	9134.94lbs@132.68	8410.94lbs@143.54
X		X	X		11	6785.44	143.41	973090.42	0.10	653.33	Standard	9189.94lbs@132.40	8465.94lbs@143.17
X	X				12	6749.14	144.02	971986.22	0.10	653.33	Standard	9153.64lbs@132.81	8429.64lbs@143.65
X	X			X	13	6804.14	143.56	976771.22	0.10	653.33	Standard	9208.64lbs@132.53	8484.64lbs@143.29
X	X	X			14	6753.44	143.97	972261.42	0.10	653.33	Standard	9157.94lbs@132.78	8433.94lbs@143.61
X	X	X	X		15	6808.44	143.51	977046.42	0.10	653.33	Standard	9212.94lbs@132.50	8488.94lbs@143.25
DC	BP	BAR	AS	TC	Num	Weight in	Graph vs [CofG]	Most Fwd Pos	Most Aft Pos	Long Arm in	Long Mom lb-in	Lat Arm in	Lat Mom lb-in

DC = Dual Flight Controls

BP = Dart Bear Paws

BAR = Alpine Barrier

AS = 4 Man Aft Facing Seat

X = Installed

O = Installation Conflict - Temp Config is Invalid for this Configuration

For Lateral Arm: - is Left and + is Right

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature: _____ Licence no. _____