

Remote Helicopters

Ident: C-GRHW
 Model: Bell 205A-1++
 Serial: 30157

REV: C-GRHW S/N:30157 [2022-12-06T17:53:49.053Z]

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: 2018-11-09	As weighed	6022.50lbs	145.04in	873533.15lb-in	-0.46in	-2788.23lb-in
EMPTY WEIGHT C of G - Total:		6022.5	145.04	873533.15	-0.46	-2788.23

Amendment # 1 Dated: 2020-02-28

Part #	STC #	Description	Option	Weight lbs	Long Arm in	Moment(H) lb-in	Lat Arm in	Moment(L) lb-in
	CARS 602.60	Survival Kits	Installed	58.00	68.80	3990.40	0.00	0.00
	CAR602.60	Survival Kit	Removed	36.00	165.00	5940.00	-22.00	-792.00
		ballast	Removed	74.00	6.10	451.40	6.20	458.80
	SH08-8	Dart Engine Mount Kit	Installed	14.60	190.00	2774.00	-3.50	-51.10
	SH99-11	Dart Engine Mounts	Removed	14.10	190.00	2679.00	-3.50	-49.35
EMPTY WEIGHT C of G - Total:				5971.00	145.91	871227.15	-0.41	-2456.78

Amendment # 2 Dated: 2022-03-15

Part #	STC #	Description	Option	Weight lbs	Long Arm in	Moment(H) lb-in	Lat Arm in	Moment(L) lb-in
	CARS 602.60	Survival Kits	Removed	58.00	68.80	3990.40	0.00	0.00
	SH03-14	Garman GPS/ mount	Removed	0.89	24.00	21.36	0.00	0.00
	SH20-4	Avio lpad Mount	Installed	2.50	35.00	87.50	0.00	0.00
		BALLAST	Installed	34.50	6.10	210.45	6.20	213.90
EMPTY WEIGHT C of G - Total:				5949.11	145.82	867513.34	-0.38	-2242.88

Equipment Lists

Installed Equipment List

Part #	STC #	Description	Weight lbs	Long Arm in	Lat Arm in
		205 Aux Tanks (Small) - 20 Gallons L/H and R/H	41.90	149.20	0.00
		205 Cargo Hook (Load Location)	0.00	137.50	0.00
		205 Hover Exit Position (Load Location)	0.00	102.00	54.00
	SH95-12	212 Blades and -17 Engine	78.00	133.50	0.00
	SH93-64	AAI Sliding Door Push out Window	0.00	0.00	0.00
		BALLAST	34.50	6.10	6.20
		BALLAST L/H Lower (RHW)	65.50	3.40	-4.20
		BALLAST R/H Lower (RHW)	34.50	6.10	6.20
	SH08-55	BLR Fast FIN and Strakes	7.10	353.70	0.00
	SH95-36	Concorde Battery	86.00	3.40	-4.20
	SH04-7	Dart 4 Man Side Facing Shoulder Restraint kit	8.90	147.00	0.00
	SH04-7	Dart 5 Man shoulder restraint kit	9.30	129.00	0.00
	SH92-43	Dart automatic Door Opener	2.16	36.20	0.00
D412-760-211	SH07-37	Dart Baggage Protector Kit	29.70	294.00	-0.30
	SH92-43	Dart Cabin Door Handle	3.80	96.00	0.00
	SH92-16	Dart Cargo Mirror	5.00	3.80	0.00
	SH04-07	Dart Co-Pilot Shoulder Harness Kit	-2.60	47.00	-22.00
	SH08-37	Dart Comfort Seat	13.00	47.00	-22.00
	SH08-12	Dart Driveshaft Tunnel	4.70	194.00	0.00
	SH08-8	Dart Engine Mount Kit	14.60	190.00	-3.50
	SH03-06	Dart Extended Crosstubes	176.90	116.90	0.00
	SH04-54	Dart Fuel Purge Canister	5.20	229.50	-8.50
	SH09-4	Dart Full Vertical Door	26.90	47.90	-46.50
	SH93-34	Dart L/H Manual Cargo Release	3.10	21.00	-16.00
	SH04-07	Dart Pilot Shoulder Harness Kit	-2.60	47.00	22.00
	SH92-16	Dart Pulse Light	4.30	3.52	-0.37
	SH96-88	Dart Skid tubes	40.60	108.90	0.00
	SH96-57	Dart Step L/H	14.30	94.50	-50.00
	SH96-57	Dart Step R/H	14.30	94.50	50.00
	CAR602.60	Fire extinguisher cabin L/H	5.50	73.00	-34.63
	CAR602.60	Fire extinguisher cabin R/H	5.50	53.00	32.63
	CAR602.60	First Aid Kit	3.00	70.00	0.00
	CAR602.60	Flight Manual	3.00	64.00	0.00
	SH07-27	Inlet Barrier Filter	0.00	0.00	0.00
	SH96-47	Isolair install kit Tanks	14.50	32.00	0.00
	SH90-29	L/H Boost Pump	0.00	0.00	0.00
	SH99-215	Onboard systems cargo hook	32.00	137.50	0.00
	C-LSH13-110/D	SEI Sacksafoam Kit	1.00	34.00	-3.00
null	null	USB Charging Port	0.00	null	null
	SH93-45	Wire Strike Kit	0.00	0.00	0.00

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
	SH09-19	Alpine Barrier	4.30	64.00	0.00
	SH96-42	Dart Bear Paws	23.00	172.00	0.00
	KIT 92-32	Dual Controls	9.00	36.60	-22.80
	SH96-47	Isolair Tank	330.00	114.80	0.00
		Kawak Hover Pump	72.00	81.50	0.00

Radio Equipment List

Part #	STC #	Description	Weight lbs	Long Arm in	Lat Arm in
	SH02-4	Aero Dyne Monitoring System	6.19	113.64	16.64
	C-LSH07-203/D	Artificial Horizon And DG Install	17.40	23.00	0.00
	SH20-4	Avio Ipad Mount	2.50	35.00	0.00
		COMM 1 Antenna	2.00	42.00	10.00
		COMM 2 Antenna	2.00	68.00	-34.63
	SH05-11	Dart Avionics Riser	2.30	37.00	0.00
	C-LSH13-114/D	Kannad 406 ELT	1.90	69.00	34.63
		Kannad 406 ELT Antenna	0.30	128.00	50.00
		Kannad 406 ELT Switch	0.10	30.00	3.50
		Kannad 406 ELT Wiring	0.50	69.00	34.63
	TSO	King VHF COMM 1	2.00	43.00	0.00
	TSO	King VHF COMM 2	2.00	44.50	0.00
	SH03-30	SkyTrax CDP-300	0.73	40.00	0.00
	SH03-30	SkyTrax DM-300	0.60	39.00	0.00
	SH03-30	SkyTrax Isat-200	4.02	21.00	-4.00
	SH03-30	SkyTrax Itray-200	1.00	21.00	-4.00
	SH97-10	TDFM -136A	8.30	50.00	0.00
	SH97-10	TDFM -136A	3.50	48.00	0.00
		TDFM -136A Antenna	2.60	92.00	-50.00
		TDFM -136A Antenna	1.50	28.00	23.00
	SH97-10	TFM-30	3.50	53.00	0.00
		TFM-30 Antenna	2.50	42.00	-10.00

Weight and Balance Temp Configurations

Scaled On: 2018-11-09

Amendment # 2 Dated: 2022-03-15

HP	TK	DC	BP	BARAS	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	5949.11	145.82	867513.34	-0.38	-2242.88	Standard	8316.21lbs@133.08	7553.41lbs@145.09
					X	1	6004.11	145.28	872298.34	-0.37	-2242.88	Standard	8371.21lbs@132.78	7608.41lbs@144.67
				X		2	5953.41	145.76	867788.54	-0.38	-2242.88	Standard	8320.51lbs@133.05	7557.71lbs@145.04
				X	X	3	6008.41	145.23	872573.54	-0.37	-2242.88	Standard	8375.51lbs@132.74	7612.71lbs@144.63
			X			4	5972.11	145.92	871469.34	-0.38	-2242.88	Not Setup	N/A	N/A
			X		X	5	6027.11	145.39	876254.34	-0.37	-2242.88	Not Setup	N/A	N/A
			X	X		6	5976.41	145.86	871744.54	-0.38	-2242.88	Not Setup	N/A	N/A
			X	X	X	7	6031.41	145.33	876529.54	-0.37	-2242.88	Not Setup	N/A	N/A
		X				8	5958.11	145.66	867842.74	-0.41	-2448.08	Standard	8325.21lbs@132.98	7562.41lbs@144.96
		X			X	9	6013.11	145.12	872627.74	-0.41	-2448.08	Standard	8380.21lbs@132.67	7617.41lbs@144.54
		X		X		10	5962.41	145.60	868117.94	-0.41	-2448.08	Standard	8329.51lbs@132.94	7566.71lbs@144.92
		X		X	X	11	6017.41	145.06	872902.94	-0.41	-2448.08	Standard	8384.51lbs@132.64	7621.71lbs@144.50
		X	X			12	5981.11	145.76	871798.74	-0.41	-2448.08	Not Setup	N/A	N/A
		X	X		X	13	6036.11	145.22	876583.74	-0.41	-2448.08	Not Setup	N/A	N/A
		X	X	X		14	5985.41	145.70	872073.94	-0.41	-2448.08	Not Setup	N/A	N/A
		X	X	X	X	15	6040.41	145.17	876858.94	-0.41	-2448.08	Not Setup	N/A	N/A
X						16	6279.11	144.19	905397.34	-0.36	-2242.88	Standard	8646.21lbs@132.38	7883.41lbs@143.82
X					X	17	6334.11	143.70	910182.34	-0.35	-2242.88	Standard	8701.21lbs@132.10	7938.41lbs@143.43
X				X		18	6283.41	144.14	905672.54	-0.36	-2242.88	Standard	8650.51lbs@132.35	7887.71lbs@143.78
X				X	X	19	6338.41	143.64	910457.54	-0.35	-2242.88	Standard	8705.51lbs@132.06	7942.71lbs@143.39
X			X			20	6302.11	144.29	909353.34	-0.36	-2242.88	Not Setup	N/A	N/A
X			X		X	21	6357.11	143.80	914138.34	-0.35	-2242.88	Not Setup	N/A	N/A
X			X	X		22	6306.41	144.24	909628.54	-0.36	-2242.88	Not Setup	N/A	N/A
X			X	X	X	23	6361.41	143.74	914413.54	-0.35	-2242.88	Not Setup	N/A	N/A
X	X					24	6288.11	144.04	905726.74	-0.39	-2448.08	Standard	8655.21lbs@132.28	7892.41lbs@143.70
X	X				X	25	6343.11	143.54	910511.74	-0.39	-2448.08	Standard	8710.21lbs@132.00	7947.41lbs@143.31
X	X			X		26	6292.41	143.98	906001.94	-0.39	-2448.08	Standard	8659.51lbs@132.25	7896.71lbs@143.66
X	X		X	X	X	27	6347.41	143.49	910786.94	-0.39	-2448.08	Standard	8714.51lbs@131.96	7951.71lbs@143.27
X	X	X				28	6311.11	144.14	909682.74	-0.39	-2448.08	Not Setup	N/A	N/A
X	X	X			X	29	6366.11	143.65	914467.74	-0.38	-2448.08	Not Setup	N/A	N/A
X	X	X	X			30	6315.41	144.09	909957.94	-0.39	-2448.08	Not Setup	N/A	N/A
X	X	X	X	X	X	31	6370.41	143.59	914742.94	-0.38	-2448.08	Not Setup	N/A	N/A
X						32	6021.11	145.05	873381.34	-0.37	-2242.88	Not Setup	N/A	N/A
X					X	33	6076.11	144.53	878166.34	-0.37	-2242.88	Not Setup	N/A	N/A
X				X		34	6025.41	145.00	873656.54	-0.37	-2242.88	Not Setup	N/A	N/A
X				X	X	35	6080.41	144.47	878441.54	-0.37	-2242.88	Not Setup	N/A	N/A
X			X			36	6044.11	145.16	877337.34	-0.37	-2242.88	Not Setup	N/A	N/A
X			X		X	37	6099.11	144.63	882122.34	-0.37	-2242.88	Not Setup	N/A	N/A
X			X	X		38	6048.41	145.10	877612.54	-0.37	-2242.88	Not Setup	N/A	N/A
X			X	X	X	39	6103.41	144.57	882397.54	-0.37	-2242.88	Not Setup	N/A	N/A
X		X				40	6030.11	144.89	873710.74	-0.41	-2448.08	Not Setup	N/A	N/A
X		X			X	41	6085.11	144.37	878495.74	-0.40	-2448.08	Not Setup	N/A	N/A
X		X		X		42	6034.41	144.83	873985.94	-0.41	-2448.08	Not Setup	N/A	N/A
X		X		X	X	43	6089.41	144.31	878770.94	-0.40	-2448.08	Not Setup	N/A	N/A
X		X	X			44	6053.11	144.99	877666.74	-0.40	-2448.08	Not Setup	N/A	N/A
X		X	X		X	45	6108.11	144.47	882451.74	-0.40	-2448.08	Not Setup	N/A	N/A
X		X	X	X		46	6057.41	144.94	877941.94	-0.40	-2448.08	Not Setup	N/A	N/A
X		X	X	X	X	47	6112.41	144.42	882726.94	-0.40	-2448.08	Not Setup	N/A	N/A
X	X					48	6351.11	143.48	911265.34	-0.35	-2242.88	Not Setup	N/A	N/A
X	X				X	49	6406.11	143.00	916050.34	-0.35	-2242.88	Not Setup	N/A	N/A
X	X			X		50	6355.41	143.43	911540.54	-0.35	-2242.88	Not Setup	N/A	N/A
X	X		X		X	51	6410.41	142.94	916325.54	-0.35	-2242.88	Not Setup	N/A	N/A
X	X		X			52	6374.11	143.58	915221.34	-0.35	-2242.88	Not Setup	N/A	N/A
X	X		X		X	53	6429.11	143.10	920006.34	-0.35	-2242.88	Not Setup	N/A	N/A
X	X		X	X		54	6378.41	143.53	915496.54	-0.35	-2242.88	Not Setup	N/A	N/A
X	X		X	X	X	55	6433.41	143.05	920281.54	-0.35	-2242.88	Not Setup	N/A	N/A
X	X	X				56	6360.11	143.33	911594.74	-0.38	-2448.08	Not Setup	N/A	N/A
X	X	X			X	57	6415.11	142.85	916379.74	-0.38	-2448.08	Not Setup	N/A	N/A

HP	TK	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
X	X	X		X			58	6364.41	143.28	911869.94	-0.38	-2448.08	Not Setup	N/A	N/A
X	X	X		X	X		59	6419.41	142.79	916654.94	-0.38	-2448.08	Not Setup	N/A	N/A
X	X	X	X				60	6383.11	143.43	915550.74	-0.38	-2448.08	Not Setup	N/A	N/A
X	X	X	X		X		61	6438.11	142.95	920335.74	-0.38	-2448.08	Not Setup	N/A	N/A
X	X	X	X	X			62	6387.41	143.38	915825.94	-0.38	-2448.08	Not Setup	N/A	N/A
X	X	X	X	X	X		63	6442.41	142.90	920610.94	-0.38	-2448.08	Not Setup	N/A	N/A
HP	TK	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

HP = Kawak Hover Pump
 TK = Isolair Tank
 DC = Dual 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. _____