

Remote Helicopters

Ident: C-GRHU
 Model: Bell 205A-1++
 Serial: 30161

REV: C-GRHU S/N:30161 [2022-11-08T21:01:14.544Z]

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	5942.50lbs	145.52in	864765.93lb-in	-0.54in	-3223.06lb-in
EMPTY WEIGHT C of G - Total:		5942.5	145.52	864765.93	-0.54	-3223.06

Amendment # 1 Dated: 2019-01-03

Part #	STC #	Description	Option	Weight lbs	Long Arm in	Moment(H) lb-in	Lat Arm in	Moment(L) lb-in
	SH92-43	Dart Cabin Door Roller	Installed	1.64	130.00	213.20	0.00	0.00
	SH92-43	Dart Replacement Door Track	Installed	0.50	130.00	65.00	0.00	0.00
EMPTY WEIGHT C of G - Total:				5944.64	145.52	865044.13	-0.54	-3223.06

Amendment # 2 Dated: 2020-04-08

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 R/H (RHU)	Removed	29.50	6.10	179.95	6.20	182.90
		BALLAST R/H (RHU)	Removed	30.50	6.10	186.05	6.20	189.10
EMPTY WEIGHT C of G - Total:				5906.64	146.06	862728.53	-0.47	-2803.06

Amendment # 3 Dated: 2021-11-22

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
		BALLAST R/H (RHU)	Installed	29.50	6.10	179.95	6.20	182.90
		BALLAST R/H (RHU)	Installed	20.00	6.10	122.00	6.20	124.00
EMPTY WEIGHT C of G - Total:				5898.14	145.65	859040.08	-0.42	-2496.16

Amendment # 4 Dated: 2022-02-07

Part #	STC #	Description	Option	Weight lbs	Long Arm in	Moment(H) lb-in	Lat Arm in	Moment(L) lb-in
	SH20-4	Avio Ipad Mount	Installed	2.50	35.00	87.50	0.00	0.00
	SH03-14	Garman GPS/ mount	Removed	0.89	24.00	21.36	0.00	0.00
EMPTY WEIGHT C of G - Total:				5899.75	145.62	859106.22	-0.42	-2496.16

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 L/H (RHU)	66.50	3.40	-4.20
		BALLAST L/H (RHU)	34.00	3.40	-4.20
		BALLAST R/H (RHU)	20.00	6.10	6.20
		BALLAST R/H (RHU)	29.50	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
	SH92-43	Dart Cabin Door Roller	1.64	130.00	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
	SH08-12	Dart Driveshaft Tunnel	4.70	194.00	0.00
	SH99-11	Dart Engine Mounts	9.60	188.50	-3.00
	SH03-06	Dart Extended Crosstubes	176.90	116.90	0.00
	SH04-54	Dart Fuel Purge Canister(RHU)	5.20	222.50	-19.50
	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
	SH92-43	Dart Replacement Door Track	0.50	130.00	0.00
	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
	SH92-54	Dart Vertical Reference Door	2.00	50.80	-40.00
	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
	SH8609SW	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	3.50	48.00	0.00
	SH97-10	TDFM -136A	8.30	50.00	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: 2018-11-07

Amendment # 4 Dated: 2022-02-07

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
							0	5899.75	145.62	859106.22	-0.42	-2496.16	Standard	8266.85lbs@132.86	7504.05lbs@144.92
					X		1	5954.75	145.08	863891.22	-0.42	-2496.16	Standard	8321.85lbs@132.56	7559.05lbs@144.50
				X			2	5904.05	145.56	859381.42	-0.42	-2496.16	Standard	8271.15lbs@132.82	7508.35lbs@144.88
				X	X		3	5959.05	145.02	864166.42	-0.42	-2496.16	Standard	8326.15lbs@132.52	7563.35lbs@144.46
			X				4	5922.75	145.72	863062.22	-0.42	-2496.16	Not Setup	N/A	N/A
			X		X		5	5977.75	145.18	867847.22	-0.42	-2496.16	Not Setup	N/A	N/A
			X	X			6	5927.05	145.66	863337.42	-0.42	-2496.16	Not Setup	N/A	N/A
			X	X	X		7	5982.05	145.12	868122.42	-0.42	-2496.16	Not Setup	N/A	N/A
	X						8	5908.75	145.45	859435.62	-0.46	-2701.36	Standard	8275.85lbs@132.75	7513.05lbs@144.80
	X				X		9	5963.75	144.91	864220.62	-0.45	-2701.36	Standard	8330.85lbs@132.45	7568.05lbs@144.38
	X		X				10	5913.05	145.39	859710.82	-0.46	-2701.36	Standard	8280.15lbs@132.72	7517.35lbs@144.75
	X		X	X			11	5968.05	144.85	864495.82	-0.45	-2701.36	Standard	8335.15lbs@132.42	7572.35lbs@144.33
	X	X					12	5931.75	145.55	863391.62	-0.46	-2701.36	Not Setup	N/A	N/A
	X	X			X		13	5986.75	145.02	868176.62	-0.45	-2701.36	Not Setup	N/A	N/A
	X	X	X				14	5936.05	145.50	863666.82	-0.46	-2701.36	Not Setup	N/A	N/A
	X	X	X	X			15	5991.05	144.96	868451.82	-0.45	-2701.36	Not Setup	N/A	N/A
X							16	6229.75	143.98	896990.22	-0.40	-2496.16	Standard	8596.85lbs@132.17	7834.05lbs@143.66
X					X		17	6284.75	143.49	901775.22	-0.40	-2496.16	Standard	8651.85lbs@131.88	7889.05lbs@143.26
X			X				18	6234.05	143.93	897265.42	-0.40	-2496.16	Standard	8601.15lbs@132.13	7838.35lbs@143.61
X			X	X			19	6289.05	143.43	902050.42	-0.40	-2496.16	Standard	8656.15lbs@131.84	7893.35lbs@143.22
X	X						20	6252.75	144.09	900946.22	-0.40	-2496.16	Not Setup	N/A	N/A
X	X		X				21	6307.75	143.59	905731.22	-0.40	-2496.16	Not Setup	N/A	N/A
X	X	X	X				22	6257.05	144.03	901221.42	-0.40	-2496.16	Not Setup	N/A	N/A
X	X	X	X	X			23	6312.05	143.54	906006.42	-0.40	-2496.16	Not Setup	N/A	N/A
X	X						24	6238.75	143.83	897319.62	-0.43	-2701.36	Standard	8605.85lbs@132.07	7843.05lbs@143.53
X	X				X		25	6293.75	143.33	902104.62	-0.43	-2701.36	Standard	8660.85lbs@131.78	7898.05lbs@143.14
X	X	X					26	6243.05	143.78	897594.82	-0.43	-2701.36	Standard	8610.15lbs@132.03	7847.35lbs@143.49
X	X		X	X			27	6298.05	143.28	902379.82	-0.43	-2701.36	Standard	8665.15lbs@131.75	7902.35lbs@143.10
X	X	X					28	6261.75	143.93	901275.62	-0.43	-2701.36	Not Setup	N/A	N/A
X	X	X			X		29	6316.75	143.44	906060.62	-0.43	-2701.36	Not Setup	N/A	N/A
X	X	X	X				30	6266.05	143.88	901550.82	-0.43	-2701.36	Not Setup	N/A	N/A
X	X	X	X	X			31	6321.05	143.38	906335.82	-0.43	-2701.36	Not Setup	N/A	N/A
X							32	5971.75	144.84	864974.22	-0.42	-2496.16	Not Setup	N/A	N/A
X					X		33	6026.75	144.32	869759.22	-0.41	-2496.16	Not Setup	N/A	N/A
X			X				34	5976.05	144.79	865249.42	-0.42	-2496.16	Not Setup	N/A	N/A
X			X	X			35	6031.05	144.26	870034.42	-0.41	-2496.16	Not Setup	N/A	N/A
X		X					36	5994.75	144.95	868930.22	-0.42	-2496.16	Not Setup	N/A	N/A
X		X			X		37	6049.75	144.42	873715.22	-0.41	-2496.16	Not Setup	N/A	N/A
X		X	X				38	5999.05	144.89	869205.42	-0.42	-2496.16	Not Setup	N/A	N/A
X		X	X	X			39	6054.05	144.36	873990.42	-0.41	-2496.16	Not Setup	N/A	N/A
X	X						40	5980.75	144.68	865303.62	-0.45	-2701.36	Not Setup	N/A	N/A
X	X				X		41	6035.75	144.16	870088.62	-0.45	-2701.36	Not Setup	N/A	N/A
X	X	X					42	5985.05	144.62	865578.82	-0.45	-2701.36	Not Setup	N/A	N/A
X	X	X	X				43	6040.05	144.10	870363.82	-0.45	-2701.36	Not Setup	N/A	N/A
X	X	X					44	6003.75	144.79	869259.62	-0.45	-2701.36	Not Setup	N/A	N/A
X	X	X	X		X		45	6058.75	144.26	874044.62	-0.45	-2701.36	Not Setup	N/A	N/A
X	X	X	X	X			46	6008.05	144.73	869534.82	-0.45	-2701.36	Not Setup	N/A	N/A
X	X	X	X	X	X		47	6063.05	144.20	874319.82	-0.45	-2701.36	Not Setup	N/A	N/A
X	X						48	6301.75	143.27	902858.22	-0.40	-2496.16	Not Setup	N/A	N/A
X	X				X		49	6356.75	142.78	907643.22	-0.39	-2496.16	Not Setup	N/A	N/A
X	X		X				50	6306.05	143.22	903133.42	-0.40	-2496.16	Not Setup	N/A	N/A
X	X		X	X			51	6361.05	142.73	907918.42	-0.39	-2496.16	Not Setup	N/A	N/A
X	X	X					52	6324.75	143.38	906814.22	-0.39	-2496.16	Not Setup	N/A	N/A
X	X	X	X		X		53	6379.75	142.89	911599.22	-0.39	-2496.16	Not Setup	N/A	N/A
X	X	X	X	X			54	6329.05	143.32	907089.42	-0.39	-2496.16	Not Setup	N/A	N/A
X	X	X	X	X	X		55	6384.05	142.84	911874.42	-0.39	-2496.16	Not Setup	N/A	N/A
X	X	X					56	6310.75	143.12	903187.62	-0.43	-2701.36	Not Setup	N/A	N/A
X	X	X			X		57	6365.75	142.63	907972.62	-0.42	-2701.36	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	6315.05	143.07	903462.82	-0.43	-2701.36	Not Setup	N/A	N/A
X	X	X		X	X		59	6370.05	142.58	908247.82	-0.42	-2701.36	Not Setup	N/A	N/A
X	X	X	X				60	6333.75	143.22	907143.62	-0.43	-2701.36	Not Setup	N/A	N/A
X	X	X	X		X		61	6388.75	142.74	911928.62	-0.42	-2701.36	Not Setup	N/A	N/A
X	X	X	X	X			62	6338.05	143.17	907418.82	-0.43	-2701.36	Not Setup	N/A	N/A
X	X	X	X	X	X		63	6393.05	142.69	912203.82	-0.42	-2701.36	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. _____