

Form A : List of approved equipment							Date Weighed	Date Weighed		
							5/25/2023			
Page	A/C Make, Model, Series	Registration Number			Serial Number		In A/C	ON 'C' Chart	In A/C	ON 'C' Chart
1 of 6	Bell 212HP	N873HL			30873					
Location and Description of Item		Weight	Arm	Moment	Lat. Arm	Lat. Moment				
Fuselage										
Antenna, FM Radio # 1		0.70	41.5	29.1			X			
Antenna, FM Radio # 2		0.70	41.5	29.1			X			
Antenna, GPS		0.30	28.5	8.6			X			
Antenna, Mount, ELT		4.50	67.5	303.8			X			
Antenna, Nav Radio		2.00	438.0	876.0			X			
Antenna, Transponder		0.30	17.0	5.1			X			
Antenna, VHF Radio # 1		1.50	205.0	307.5			X			
Antenna, VHF Radio # 2		1.50	29.5	44.3			X			
Anti-collision Light, Upper		2.00	218.0	436.0			X			
Battery		80.00	-5.7	-456.0			X			
Blood borne Pathogen Kit		1.50	63.0	94.5			X			
Carqo Hook Suspension Assembly		45.50	120.7	5491.9			X			
Closed Circuit Refueling Kit		4.20	165.0	693.0			X			
Dart Cabin Floor Protector Kit		37.6	113.0	4248.8			X			
Aux FM holder		0.20	45.0	9.0			X			
Dart L/H Pilot in Command		1.80	32.0	57.6						
External Carqo Hook Provision		29.60	141.5	4188.4			X			
External Load Mirrors (Field Approved)		2.50	-5.0	-12.5			O			
External step, Co-Pilot		2.50	48.0	120.0			O			
External step, Pilot		2.50	48.0	120.0			O			
Fire Extinguisher, L/S		8.00	69.0	552.0			X			
Fire Extinguisher, R/S		8.00	53.0	424.0			X			
First Aid Kit		2.50	63.0	157.5			X			
ICS Panel, Crew		1.75	91.0	159.3			X			
Landing Light		8.10	83.0	672.3			X			
PA/Siren Amplifier		1.30	8.5	11.1			X			
ME406HM 5 Axis G-Switch ELT		5.45	63.0	343.3			X			
Duel 2.1 amp USB Charging Port		0.50	49.5	24.8			X			

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Location and Description of Item		Weight	Arm	Moment	Lat. Arm	Lat. Moment				
Fuselage										
PA / Siren Speaker External Assbly		14.00	47.0	658.0			X			
PA/Siren Voltage Converter		0.50	51.6	25.8			X			
Pass. Briefing System Speakers (2)		2.00	113.0	226.0			X			
Rappel Anchor		38.40	105.0	4032.0			O			
Rappel Skid Tube Guard		7.60	105.0	798.0			O			
Recognition Lights (2) (Field Approved)		8.00	23.0	184.0			O			
Search Light		5.40	90.0	486.0			X			
Seat Belts, Aft Pass (4 Sets) 3 point Dart		8.00	87.0	696.0			X			
Seat Belts, Forward Pass (5 Sets) 3 point Dart		10.00	117.0	1170.0			X			
Seat Belts, Pilot / Copilot		5.40	47.0	253.8			X			
Seats, Aft Facing Pass (4)		65.00	87.0	5655.0			X			
Seats, Forward Facing Pass (5); (2) 2 man@40.5 + (1) 1 man@21		102.00	117.0	11934.0			X			
Seats, Pilot /Copilot (2)		73.60	54.0	3974.4			X			
Skid Cross Tube, Aft Standard height		44.10	163.0	7188.3			O			
Skid Cross Tube, Forward Standard High		32.30	71.6	2312.7			O			
Wire Strike Protection System		19.10	23.2	443.1			X			
Cabin										
Aircraft Log Book		0.50	50.0	25.0			X			
Checklist		0.10	50.0	5.0			X			
ASU NVG		5.0	133.0	665.0			X			
Seat Belts, Forward Pass (5 Sets) 4 point Dart		9.30	129.0	1200.0			O			
Aero Access Fast Rope Kit -001 (Provisions)		25.20	127.5	3213.0			O			
Aero Access Fast Rope Kit (Tube Assembly)		119.00	125.1	14886.9			O			
Aero Access Hoist Ship Provisions		33.90	130.1	4410.4			X			
Aero Access Hoist Electrical Provisions		25.00	130.1	3252.5			X			
Aero Access Hoist/Curved Support Tube/Fairing etc		122.50	130.1	15937.3			O			
Aero Access Cable Cutter Mount Kit		3.90	165.3	644.5	36.3	141.57	O			
USFS 9 Pin		1.7	120.70	205.19			X			

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Location and Description of Item		Weight	Arm	Moment	Lat. Arm	Lat. Moment				
Cabin										
Control Head, Transponder		4.3	29.8	127.9			X			
Control Head, VHF Radio #1		5.4	4.5	24.3			X			
Control Head, VHF Radio #2		5.4	4.5	24.3			X			
D1000 Blue Sky Network		5.5	12.0	66.0			X			
DC Ammeter (2)		2.0	23.0	46.0			X			
Directional Gyro, Pilot		4.5	199.0	895.5			X			
Dual Controls		22.2	36.1	801.4			X			
Encoding Altimeter		1.8	23.0	41.4			X			
Engine Oil Temp/Press Gage (2)		0.8	23.0	18.4			X			
Engine Out Warning Indicator (2)		0.8	23.0	18.4			X			
Essential Bus, # 1		2.4	41.4	99.4			X			
Essential Bus, # 2		2.9	42.8	124.1			X			
Fire Warning, Baggage Compartment		0.3	22.0	6.6			X			
Fire Warning, Engine #1		0.4	22.3	8.9			X			
Fire Warning, Engine #2		0.4	22.3	8.9			X			
Free Air Temperature Gage		0.2	25.0	5.0			X			
Fuel Pressure Gage (2)		0.6	23.0	13.8			X			
Fuel Quantity Gage		0.6	23.0	13.8			X			
Horizontal Situation Indicator, Pilot		6.5	23.0	149.5			X			
Horizontal Situation Indicator, Pilot		6.5	23.0	149.5			X			
Hydraulic Temp/Press Gage (2)		0.8	23.0	18.4			X			
ICS Panel, Copilot		1.8	42.6	74.6			X			
ICS Panel, Pilot		1.8	42.0	73.5			X			
Low Fuel Warning Indicator (2)		3.7	26.5	98.1			X			
Low Fuel Warning Transmitter (2)		0.2	143.0	28.6			X			
Map Case		4.5	50.0	222.5			O			
Ng Tach (2)		2.0	23.0	46.0			X			
PA/Siren Control Head		1.5	51.6	77.4			X			
Clock (2)		1.00	23.0	23.0			X			

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Location and Description of Item		Weight	Arm	Moment	Lat. Arm	Lat. Moment				
Cabin										
Pass. Briefing System Amplifier		3.10	7.0	21.7			X			
Pass. Briefing System Control Head		0.50	51.6	25.8			X			
Pass. Briefing System Software Box		4.30	185.0	795.5			X			
Passenger briefing cards		0.20	50.0	10.0			X			
REC/TRANS, FM Radio # 1 TDFM-136, P25 compliant		3.50	45.5	159.3			X			
REC/TRANS, FM Radio # 2 TDFM-136, P25 compliant		3.50	44.6	156.1			X			
REC/TRANS, VHF Radio # 1 Bendix King KY-196A		7.50	23.0	172.5			X			
REC/TRANS, VHF Radio # 2 Bendix King KY-196A		7.50	23.0	172.5			X			
Electronic Flight Bag		2.00	50.0	100.0			X			
RPM Limit Detector		1.20	23.0	27.6			X			
USFS Contract Interface Aux FM Panel w/ 3 Pin		0.30	51.0	15.3			X			
Pilot Windshield		13.50	29.0	391.5			X			
Torque Gage (3)		9.00	23.0	207.0			X			
GTX 345 Transponder		4.30	29.8	127.9			X			
Triple Tach (3)		7.50	23.0	115.0			X			
Turbine Inlet Temp Gage (2)		1.20	23.0	27.6			X			
Vertical Gyro, Pilot		7.30	185.0	1350.5			X			
Vertical Speed Indicator (2)		3.60	23.0	82.8			X			
XMSN Oil Temp/Press Gage		0.70	23.0	16.1			X			
Co-Pilot Windshield		13.50	29.0	391.5			X			
Airspeed Indicator (2)		2.00	23.0	46.0			X			
Altimeter (2)		3.60	23.0	82.8			X			
Attitude Indicator, Pilot		7.00	23.0	161.0			X			
C Box Oil Temp/Press Gage		0.70	23.0	16.1			X			
Circuit Breaker Panels (2)		14.80	56.8	840.6			X			
Tail										
Aircraft Tie-down Kit		11.00	249.0	2739.0			O			
Position Light, Lower (2)		0.60	66.8	40.1			X			
Position Light, Upper (2)		0.60	109.2	65.5			X			
Position Light, Tail		0.30	431.9	129.6			X			
BLR DTBS and Fast Fin System		5.60	326.6	2511.3			X			

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Location and Description of Item		Weight	Arm	Moment	Lat. Arm	Lat. Moment				
Dart / Helifab Cabin Area Cargo Net /Troop Seat System										
Cargo Net Left		7.50	131.0	982.5	-36	-270	X			
Cargo Net Right		7.50	131.0	982.5	36	270	X			
Support Pole Assy With Troop Seat Attachment Hardware left		5.50	131.0	720.5	-36	-198	X			
Support Pole Assy With Troop Seat Attachment Hardware right		5.50	131.0	720.5	36	198	X			
Other										
Cargo box		20.00	136.5	2730.0			O			
Cargo Restraint Net		25.50	147.0	3748.5			O			
Dart ground handling kit (2 @ 2.1 lbs ea)		4.20	55.0	231.0			X			
Dart Support Door Kits		1.00	63.0	63.0			X			
Dart GPS Reciever Gimbal Mount		1.29	24.0	31.0			X			
Pilot Flotation Ring		1.00	54.0	216.0			X			
Headset Drop Cords, Aft (2)		1.3	128.0	160.0			X			
Headset Drop Cords, Middle (2)		1.00	87.0	87.0			X			
Headset Drop Cords, Pilot/Co-Pilot (2)		0.50	47.0	23.5			X			
Blood borne Pathogen Kit		1.50	63.0	94.5			X			
Survival Kit - (2 Day Food, Standard)		15.80	-5.7	-162.5			X			
Survival Kit (Alaska Supplement)		5.40	-5.7	-162.5			O			
Survival Kit (Food, Alaska Supplement)		28.50	-5.7	-162.5			O			
Fire Shelter		8.00	54.0	216.0			X			
Sat Phone		3.50	44.6	156.1			O			
Dart Bear Paws		30.00	180.0	5400.0			O			
90 Gallon Aux Fuel Tank		48.00	170.0	8160.0			O			
Dart Cargo Mirror		5.00	-5.3	-26.3			X			
Dart Pulse Light Kit		4.30	-5.5	-23.8			X			
Dart Protective Trim Kit		1.20	45.5	54.3			X			
Dart Heli-Access Step Standard Height		14.00	50.0	700.0	94.5	1323	O			
GRA-55 Radar Altimeter RT		3.50	176.0	616.0	26	91	X			
Rad Alt Antenna 013-00378-00		0.50	87.0	43.5	0	0	X			
Rad Alt Antenna 013-00378-00		0.50	87.0	43.5	0	0	X			
GI-205 Rad Alt Indicator		0.60	22.0	13.2	20	12	X			
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[illegible]

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Form B : Aircraft Weighing Record

Make, Model, Series	Registration Number	Serial Number	Date
Bell 212HP	N873HL	30873	5/25/2023
Datum is	Leveling Means	Weighing Procedures References	Scale Location
Fuselage Station (F.S.) 0.0	Plumb bob line intersect at 0° on leveling plate.	CFR Part 29, BH-212-MM Chapter 8	Jack Points

Scale Readings

Scale	Reading	Tare	Net Weight	Long. Arm	Moment	Lat. Arm	Moment
Left Front or Nose	1590		1590	61.69	98087.1	-30.00	-47700
Right Front	1632		1632	61.69	100678.1	30.00	48960
Left Aft or Tail	3823	-32	3791	211.58	802099.8		
Right Aft							
Basic Weight		Total	7013	142.72	1000865.0	0.18	1260

Fuel & Oil at Time of Weighing

	Full	Defueled	Drained
Fuel			X
Oil Engine	X		
Oil Transmission	X		
Oil Tail Gearboxes	X		
Hydraulic Fluid	X		

Notes

Tare weight adjustment is for the tail jack stand adapter

Per TCDS NO. H4SW note #1, 28.3 lbs. of trapped and unusable fuel are included in the Basic Empty Weight.

Other fluids are filled to full operating levels

Items Weighed not part of Basic Weight

Item	Weight	Arm	Moment
Total (-)			

Items not Weighed but part of Basic Weight

Item	Weight	Arm	Moment
Trapped/undrainable fuel	28.3	142.8	4041.24
Total (+)	28.30		4041.24

Adjusted Basic Weight of Aircraft as Weighed

7041

Total Empty Weight of Aircraft as Adjusted

7041

Longitudinal EW. CG

CG

142.72

Moment

1004906.20

Lateral EW CG

0.18

1260.00

Aircraft Weighed By

Repair Station : Jeff Davies

Signature :

Certificate Type and Number : RS CUCR022D

Scales

Type : Evergreen Weigh JP5000-3 (Stainless steel load cells)

Serial Number : 1254-3C

Calibration Date : 21-Mar-23

Form C : Continuous History of Equipped Weight After Weighing

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