

Yellowhead Helicopters Ltd.

Ident: C-GYHX

Model: Bell 206L3+

Serial: 51545

REV: C-GYHX S/N:51545 [2024-03-19T18:34:16.061Z]

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: 2022-11-25	As weighed	2573.30lbs	129.79in	333980.50lb-in	0.08in	195.10lb-in
Unusable Oil	Removed	13.00	205.00	2665.00	0.00	0.00
Plum bob	Removed	0.30	117.70	35.31	-11.00	-3.30
Unusable Fuel	Installed	8.80	94.00	827.20	0.00	0.00
Undrainable Oil	Installed	1.60	192.00	307.20	0.00	0.00
EMPTY WEIGHT C of G - Total:		2570.40	129.32	332414.59	0.08	198.40

Amendment # 1 Dated: 2023-03-13

Part #	STC #	Description	Option	Weight lbs	Long Arm in	Moment(H) lb-in	Lat Arm in	Moment(L) lb-in
DVI-250C		ISAT- CONTROLLER (SKYTRAC)	Removed	0.60	46.50	27.90	0.00	0.00
ISAT-100		ISAT- TRANSCIEVER (SKYTRAC)	Removed	5.07	163.00	826.41	-2.50	-12.68
EMPTY WEIGHT C of G - Total:				2564.73	129.28	331560.28	0.08	211.08

Equipment Lists

Installed Equipment List

Part #	STC #	Description	Weight lbs	Long Arm in	Lat Arm in
206-502-200	SH3110SO	BAGGAGE DOOR- COMPOSITE (AAI)	5.80	174.09	-21.50
206-501-400	SR00044AT	BATTERY DOOR- COMPOSITE (AAI)	1.10	10.00	0.00
206-706-341-113	BHT-206-SI-2012	CARGO HOOK- FIXED PROVISIONS (BELL)	3.60	102.40	-3.70
206-175-303	SH1385SO	CARGO MIRROR (AAI)	2.00	16.00	7.50
200-259-00	SH05-33	CARGO SUSP- LOAD CELL- KEEPERLESS (OB)	12.50	121.00	0.00
206-510-214	SH96-56	DOOR OPENER- BAGGAGE- COMP DOOR (AAI)	0.90	155.00	-21.75
206-510-181	SH96-56	DOOR OPENER- CREW (AAI)	1.20	43.60	-25.50
206-510-195/196	SH96-56	DOOR OPENER- PASSENGER (AAI)	2.40	106.70	0.00
206-927-030	SH96-50	DUAL CONTROL- CYCLIC COVER (AAI)	0.30	61.00	-11.00
206-929-017	SH2373SO	DUAL CONTROL- COLLECTIVE COVER (AAI)	0.20	70.50	-24.00
206-706-127-113	BHT-206-SI-2024	DUAL CONTROLS- FIXED PROVISIONS	2.30	47.30	-13.90
1741140	SH97-49	FILTER- ENGINE SCAVENGE (PUROLATOR)	4.00	212.50	0.00
106000-105	SH04-46	FILTER- IBF (AFS)	16.00	141.80	0.00
		FIRE EXTINGUISHER	2.30	73.00	0.00
TYPE B		FIRST AID KIT	3.60	142.70	0.00
206-450-020	SH96-54	FLOOR PROTECTORS- AFT CABIN (AAI)	5.50	111.40	0.00
206-450-001/-002	SH96-54	FLOOR PROTECTORS- PILOT/ COPILOT (AAI)	3.00	44.00	0.00
V407-0836F-000	SH06-10	FOOTREST/CARGO HOLDER (VIH)	8.10	27.00	-13.25
206-432-xxx	SH2617SO	HAT RACK SAFETY NET (AAI)	0.80	142.72	0.00
206EC-906-3	SH2728NM	HEATER- BLEED AIR (PARAVION)	11.39	97.00	5.50
206EC-512-2	SH2728NM	HEATER- DEFROSTER SYSTEM (PARAVION)	2.65	42.00	0.00
1872-02-004-1	SH20-3	IPAD MOUNT (AVIO DG)	2.50	39.00	0.00
CHT-97-373	SH99-10	LANDING GEAR- BASKET- BEAMS - REMOVABLE (SELKIRK)	10.00	114.11	33.37
CHT-97-373	SH99-10	LANDING GEAR- BASKET- MOUNTS- FIXED PROVISIONS (SELKIRK)	9.00	116.47	0.00
D206-559-013	SH92-17	LANDING GEAR- BEAR PAWS (DART)	13.00	157.00	0.00
206-323-022	SH2804SO-D	LANDING GEAR- CROSSTUBE- HIGH AFT (AAI)	23.22	154.31	0.00
206-323-021	SH2804SO-D	LANDING GEAR- CROSSTUBE- HIGH FWD (AAI)	17.54	72.13	0.00
206-326-203	SH96-55	LANDING GEAR- FLITESTEP - L/H (AAI)	14.50	113.50	-30.00
		LANDING GEAR- HIGH	102.14	107.00	0.00
206-323-211	SH2804SO-D	LANDING GEAR- SKID TUBE- L/H (AAI)	30.69	98.90	-43.13
206-323-212	SH2804SO-D	LANDING GEAR- SKID TUBE- R/H (AAI)	30.69	98.90	43.13
206-031-370-006		LANDING GEAR-STEP- J-STYLE (BELL)	2.32	63.27	21.75
206-706-343-101	BHT-206-SI-2001	LITTER KIT PROVISIONS (BELL)	6.70	135.50	-12.90
206-536-105	SH96-51	MAINTENANCE STEP- FOLDING- L/H (AAI)	2.00	146.00	-28.00
206-536-106	SH96-51	MAINTENANCE STEP- FOLDING- R/H (AAI)	2.00	146.00	28.00
206-531-xxx	SH96-53	PREFLIGHT STEP/ HANDLE- LH/RH (AAI)	2.00	115.38	0.00
206-531-xxx	SH96-53	PREFLIGHT STEP/ HANDLE- LH/RH (AAI)	2.00	136.88	0.00
206-451-030	SH96-80	PROTECTOR- BAGGAGE FLOOR (AAI)	5.00	174.20	0.00
206-444-001	SH3298SO	PROTECTOR- BAGGAGE WALL (AAI)	3.80	155.00	0.00
206-460-070	SH96-75	REAR BAGGAGE EXTENDER (AAI) SPACEMAKER	5.00	192.00	0.00
206-911-165	SH2073SO	SHOULDER HARNESS- CREW (AAI)	12.60	80.10	0.45
2062200-301	SH10-22	TAIL ROTOR BLADES (VAN HORN)	4.40	377.18	-12.10
206LWQC1007-1/-2	SH97-46	WINDOW- CENTER LITTER- LH/RH- RUBBER MOUNTED (TECH-TOOL)	5.40	96.44	0.00
206L-1012-1		WINDOW- COPILOT- VERTICAL SLIDER (TECH TOOL)	4.70	61.50	-26.00
206LW-1004-4		WINDOW- PILOT- SLIDER- (TECH TOOL)	4.70	61.50	26.00
206L1011-1/-2	SH91-35	WINDOW- REAR BUBBLE (TECH TOOL)	11.00	122.90	0.00
206LWQC-1007-1/-2	SH97-46	WINDOW- REAR LITTER WEDGE- LH/RH (TECH-TOOL)	5.40	96.44	0.00
206B-1003-1/-2	PQ504SW	WINDOW- SKYLIGHT (TECH TOOL)	1.80	61.00	0.00

Part #	STC #	Description	Weight lbs	Long Arm in	Lat Arm in
206-QC-1002-1/-2	SH99-212	WINDOW-CHIN BUBBLE- LH/RH- RUBBER MOUNTED (TECH-TOOL)	9.40	19.00	0.00
206B-1001-1/-2	PQ504SW	WINDSHIELD (TECH-TOOL)	11.80	40.00	0.00
965-37402-001	SH93-46	WIRE STRIKE PROTECTION (BRISTOL)	16.20	39.50	0.00

Optional Equipment List

Part #	STC #	Description	Weight lbs	Long Arm in	Lat Arm in
		YHX CONFIG- SNOW DEFLECTORS	4.90	130.00	0.00
		YHX CONFIG- SNOW DEFLECTORS WITH SELKIRK BASKET	49.40	115.69	30.06
		YHX CONFIG- SUMMER UTILITY	44.50	114.11	33.37
		YHX CONFIG- TRAINING	44.10	117.12	36.17
		YHX CONFIG- WINTER TRAINING WITH SELKIRK BASKET	49.00	118.41	30.59

Radio Equipment List

Part #	STC #	Description	Weight lbs	Long Arm in	Lat Arm in
AMS 44		AUDIO CONTROLLER (NAT)	2.66	44.50	0.00
206-881-xxx	SH2616SO	AVIONICS CONSOLE (AAI)	4.00	50.00	1.00
RG222		BATTERY (CONCORDE)	43.00	14.70	0.00
YHL-206L-004		BELLY PLUG (YHL)	1.00	112.00	-11.50
LC-2		CLOCK (ASTROTECH)	0.25	38.00	0.00
S1840501		ELT 3-Axis (KANNAD)	1.93	161.00	9.00
S1820513-11		ELT REMOTE SWITCH (KANNAD)	0.11	38.00	-5.00
SSD120-30N		ENCODER (TRANS-CAL)	0.32	25.00	2.50
D206-539-013	SH94-28	INDICATOR- EXTERNAL TORQUEMETER (DART)	1.00	70.00	26.00
100844		INDICATOR- HOUR METER	0.25	53.50	2.50
210-095-00		INDICATOR- LOAD WEIGH (OB)	0.47	38.00	6.00
206-070-274-005		INDICATOR- TURN AND BANK	1.00	38.00	9.50
843-67-6		INDICATOR- VERTICAL SPEED	0.60	38.00	9.50
DVI-250C		ISAT- CONTROLLER (SKYTRAC)	0.60	46.50	0.00
ISAT-100		ISAT- TRANSCIEVER (SKYTRAC)	5.07	163.00	-2.50
PA110-015		PA- AMPLIFIER (NAT)	4.60	162.25	-9.25
AA22-110		PA- CONTROLLER (NAT)	1.00	45.50	0.00
TS 100WR		PA- LOUD HAILER (NAT)	3.85	63.50	-9.50
ICT2412-5A		POWER CONVERTER- 12VDC	0.90	59.00	-18.00
1220/2410-2		PULSELITE (PRECISE FLIGHT)	1.00	20.00	-3.00
TFM-138B		RADIO- FM (TIL)	3.10	51.00	0.00
GNC420		RADIO- GPS/COMM (GARMIN)	4.50	40.50	0.00
AA34-300		RADIO- INTERFACE (NAT)	0.40	23.00	0.00
KY-196A		RADIO- VHF (BENDIX KING)	2.80	42.00	0.00
GTX327		TRANSPONDER (GARMIN)	2.40	43.00	0.00

Kit Items For: YHX CONFIG- SNOW DEFLECTORS

Action	Part#	STC#	Item Name	Weight lbs	Long Arm in	Long Mom	Lat Arm in	Lat Mom
Install			SNOW DEFLECTORS	4.90	130.00	637.00	0.00	0.00
Total Kit Change:				4.90	130.00	637.00	0.00	0.00

Kit Items For: YHX CONFIG- SNOW DEFLECTORS WITH SELKIRK BASKET

Action	Part#	STC#	Item Name	Weight lbs	Long Arm in	Long Mom	Lat Arm in	Lat Mom
Install			SNOW DEFLECTORS	4.90	130.00	637.00	0.00	0.00
Install			BASKET (SELKIRK)	44.50	114.11	5077.89	33.37	1484.96
Total Kit Change:				49.40	115.69	5714.89	30.06	1484.96

Kit Items For: YHX CONFIG- SUMMER UTILITY

Action	Part#	STC#	Item Name	Weight lbs	Long Arm in	Long Mom	Lat Arm in	Lat Mom
Install			BASKET (SELKIRK)	44.50	114.11	5077.89	33.37	1484.96
Total Kit Change:				44.50	114.11	5077.89	33.37	1484.96

Kit Items For: YHX CONFIG- TRAINING

Action	Part#	STC#	Item Name	Weight lbs	Long Arm in	Long Mom	Lat Arm in	Lat Mom
Remove			FOOTREST/CARGO HOLDER (VIH)	8.10	27.00	218.70	-13.25	-107.32
Remove			DUAL CONTROL, SAFETY COVER, COLLECTIVE (AAI)	0.20	70.50	14.10	-24.00	-4.80
Remove			DUAL CONTROL, SAFETY COVER, CYCLIC (AAI)	0.30	61.00	18.30	-11.00	-3.30
Install			BASKET (SELKIRK)	44.50	114.11	5077.89	33.37	1484.96
Install			DUAL CONTROL, STICKS (COLLECTIVE/ CYCLIC)	3.80	47.30	179.74	-13.90	-52.82
Install			DUAL CONTROL, PEDALS (BELL)	4.40	36.00	158.40	11.00	48.40
Total Kit Change:				44.10	117.12	5164.93	36.19	1595.97

Kit Items For: YHX CONFIG- WINTER TRAINING WITH SELKIRK BASKET

Action	Part#	STC#	Item Name	Weight lbs	Long Arm in	Long Mom	Lat Arm in	Lat Mom
Remove			FOOTREST/CARGO HOLDER (VIH)	8.10	27.00	218.70	-13.25	-107.32
Remove			DUAL CONTROL, SAFETY COVER, COLLECTIVE (AAI)	0.20	70.50	14.10	-24.00	-4.80

Action	Part#	STC#	Item Name	Weight lbs	Long Arm in	Long Mom	Lat Arm in	Lat Mom
Remove			DUAL CONTROL, SAFETY COVER, CYCLIC (AAI)	0.30	61.00	18.30	-11.00	-3.30
Install			SNOW DEFLECTORS	4.90	130.00	637.00	0.00	0.00
Install			BASKET (SELKIRK)	44.50	114.11	5077.89	33.37	1484.96
Install			DUAL CONTROL, STICKS (COLLECTIVE/ CYCLIC)	3.80	47.30	179.74	-13.90	-52.82
Install			DUAL CONTROL, PEDALS (BELL)	4.40	36.00	158.40	-11.00	-48.40
Total Kit Change:				49.00	118.41	5801.93	30.60	1499.17

Weight and Balance Temp Configurations

Scaled On: 2022-11-25

Amendment # 1 Dated: 2023-03-13

X03	X04	X05	X02	X01	TC	Num	Weight lbs	Long Arm in	Moment(H) lb-in	Lat Arm in	Moment(L) lb-in
						0	2564.73	129.28	331560.28	0.08	211.08
				X		1	2569.63	129.28	332197.28	0.08	211.08
			X			2	2614.13	129.02	337275.18	0.65	1696.04
		X				4	2609.23	129.02	336638.18	0.65	1696.04
	X					8	2608.83	129.07	336725.22	0.69	1807.05
X						16	2613.73	129.07	337362.22	0.65	1710.25
X03	X04	X05	X02	X01	TC	Num	Weight in	Long Arm in	Long Mom lb-in	Lat Arm in	Lat Mom lb-in

- X03 = YHX CONFIG- WINTER TRAINING WITH SELKIRK BASKET
- X04 = YHX CONFIG- TRAINING
- X05 = YHX CONFIG- SUMMER UTILITY
- X02 = YHX CONFIG- SNOW DEFLECTORS WITH SELKIRK BASKET
- X01 = YHX CONFIG- SNOW DEFLECTORS

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. _____