

Finefield Aviation
 Lake in the Hills Airport
 8399 Pyott Rd.
 Lake In The Hills, IL. 60156
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Date: 12-16-10

ACTUAL WEIGHT AND BALANCE REPORT

Aircraft: Beech Model #: V35A Serial #: D-8792 N#: 167JW
 Owner: Bo Harper Address: 611 Rockland Rd. #205 Lake Bluff, IL. 60044
 Previous Empty Weight Date: 6-18-08 Empty Weight 2361.51 C.G.: 78.17
 Useful Load: 1038.49 Moment: 184589.48

WEIGHT AND BALANCE COMPUTATION

<u>Item:</u>	<u>Weight:</u>	<u>Arm:</u>	<u>Moment:</u>
Removed factory shoulder			
Harness	<u>-1.14</u>	<u>100</u>	<u>-114</u>
Installed BAS shoulder			
Harness kit.	<u>5</u>	<u>110</u>	<u>550</u>
New Weight & Balance	<u>2365.37</u>	<u>78.22</u>	<u>185025.48</u>
New E.W.	<u>2365.37</u>		
New C.G.	<u>78.22</u>		
New Moment	<u>185025.48</u>		
New Useful Load	<u>1034.63</u>		
Aircraft Gross Weight	<u>3400</u>		
Signed: <u><i>Jim Finefield</i></u>			

IA: 353483286

Equipment List for N167JW

*Note: Unless otherwise shown, a display/selector with associated wiring, sender, and/ or transmitter located elsewhere within the airplane will be shown such that the weight represents the sum of all sub components and arm represents the average arm for all subcomponents making up that device.

- * The zero Datum point is the junction of the prop blades at the hub
- * Wing jack points are a station 83.1
- * Fwd edge of firewall is at station 49

Component

*Fwd edge of firewall is at station 49

Engine Area

McCaughey 406C Prop
 Prop Spinner
 Alternator (70 amp) + Coupler
 Supplemental lead weights (2)
 Shadin Flow Transducer
 Oil-O-Matic preoiler
 E-Z Heat 540 engine preheater
 Battery Master Relay
 Ext. Power Relay
 Starter Relay
 Aerosafe Emerg Pneu Pump/Motor Assembly

 Primary Pneu Air Pump
 Unison Slick Start

Weight	Avg Arm
63.00	1.0
5.00	-2.0
13.00	11.0
40.00	14.0
0.50	18.5
6.30	33.0
0.80	23.5
0.50	48.0
0.02	48.0
0.02	47.0
11.40	45.0
-	-
	39.5
0.60	45.5

Serial/Part Number

Kelly Aerospace PN: 9524R SN:H092279

 PN:680501 SN:Y5795 Spec 29.6

 Eaton/Cuttler Hammer 6041H187
 Cole-Hersee 70-111224 PN: 7-1013
 Cole-Hersee 24039 PN:7-1037
 PN:820606-1, Motor SN:002494
 pump Model 211CC
 212CW SN:14419
 PN:SS1002 SN:05198-008

Component

** Instrument panel is at station 68

Instruments

Avionics Master Relay
 Approach Sys Pro Hub+cables
 Garmin SL-15 Audio Panel
 Garmin GMX200
 Garmin CNX80 GPS/Com
 Garmin SL-30 Nav/Com
 Garmin SL-70 transponder
 ELT remote indicator
 Airspeed Indicator
 Artificial Horizon
 Altimeter
 Century NSD 360A HSI
 Turn Coordinator
 Vert Speed Indicator *152*
 MD200-306 Course Indicator
 Manifold/Fuel Press Guage
 Tachometer
 Monroy ATD300
 Starter Energized Light
 Sandia Altitude Encoder
 Approach Systems Junction Box_cables
 Century III Autopilot System
 Avionics West FM/tape player
 Avionics Cooling Fan
 Voltage Regulator
 Ultravision Flood Light Assembly
 Instrument Light Pwr/Dimmer
 Shadin Mini-flow+harness
 Insight GEM 610 - *Replaced w/63*
 Insight Strikefinder
 Quick Alert (monitor & display)
 Yaw Damper Selector

Weight	Avg Arm
0.50	52.0
7.80	62.0
2.00	65.0
4.30	63.5
6.50	63.5
3.30	63.0
1.60	63.0
0.05	68.0
	66.5
	65.5
	65.5
4.60	64.5
	66.5
	66.5
1.40	64.5
	65.0
0.80	65.0
0.60	67.0
0.02	68.0
0.70	53.0
7.80	65.0
22.35	112.9
3.80	66.0
0.50	58.0
0.30	67.0
0.60	65.0
1.00	49.5
2.75	42.6
2.20	45.0
1.20	63.0
0.60	64.0
0.25	68.0

Serial/Part Number

Eaton/Cuttler Hammer 6041H187
 SN: H04200023
 SN:B01785-C01837
 SN:38300739 *38301005 4/6/13*
 SN: 25700061
 SN: 25900057
 SN: 6068822
 RCPI PN: EO-105
 Garwin PN:22-696-017-1 SND0155
 PN:520167M SN:3438D
 United PN:5934PA-3 SN:8K333
 PN:52D137-1333 SN:13636A

 Mid-Continent SN: C04-11306
 United PN:6331H.32 SN178622
 Mitchel PN:D1-112-5023 SN:7638

 Beech Kit 35-3021-1S
 SAE-5-35

 EC100 (antenna listed elsewhere)
 FN300 Ice Tray
 Zeftronics R1530B SN:R02030
 Model UV250-1, Lamp PN:UVGSL-1
 VAL Model CLA500

 harness, probes, hardware, etc.

June 18, 2008
John W. ...
A&P 1765646

Component**Mid Point**

Cleveland 6.00-6 Wheels/Brakes
 Eagle Fuel Sump Drains
 Recognition Lights (2)
 Wing tip Strobe Lights (2)
 Comant Marker Beacon Antenna
 Comant Comm Antenna
 Comant Xpnder Antenna (2)
 Comant FM radio antenna

Weight	Avg Arm
	101.5
0.40	79.5
0.30	77.0
0.80	70.0
	108.6
0.50	73.6
0.40	73.6
0.5	110.6

Cabin

Rosen Sun Visors
 Whelin Strobe Pwr Pack
 PulseLite Pwr Pack+bracket+wires

2.70	75.0
2.50	125.0
1.30	174.0

Aft Fuselage

STEC Yaw Servo
 STEC Yaw Amp
 ACK Technologies ELT (tray & ELT)
 Garmin GDL69 wx receiver+rack
 Garmin GA55 Wx Antenna
 Garmin A-33 GPS Antenna
 ELT Antenna
 Strikefinder Antenna
 Tail Strobe Light (1)

Weight	Avg Arm
2.90	193.0
0.90	230.0
3.37	160.0
2.70	154.0
0.25	166.0
0.24	166.0
0.09	205.0
0.50	253.0
0.10	300.0

Serial/Part Number

PN:QDV-2 SN:B697
 Whelen 01-0770453-02
 Whelen 90028 series
 C-102
 CI-122
 CI-105
 CI-222-1

RBB-300-1A

Model 1210-2405-2A SN:J05395

Serial/Part Number

Model ST-072

Model E-01
 SN: 47705230

E-0115
 PN: 2000-022
 Whelen A500A assembly