

# MAULE AEROSPACE TECHNOLOGY, INC.

LAKE MAULE -- RT. 5, BOX 318 -- MOULTRIE, GA. 31768 -- PHONE (912) 985-2045 -- FAX: (912) 890-2402

FAA APPROVED

AIRPLANE FLIGHT MANUAL SUPPLEMENT NO. 1

FOR

MAULE **M-8-235**  
with Lycoming **O-540-B4B5** Engine

Reg. No. \_\_\_\_\_

Ser. No. \_\_\_\_\_

This Supplement must be attached to the FAA Approved Airplane Flight Manual dated **10 August 1992** when **McCaughey 3 Blade Propeller Model B3D32C414-[ ]/[ ]-82NDA-2 (80 inch) or -4 (78 inch)** is installed in accordance with Maule Drawing **5490E**.

The information contained herein supersedes and supplements the information of the basic Airplane Flight Manual; for limitation, procedures and performance information not contained in this Supplement, consult the basic Airplane Flight Manual.

FAA APPROVED: 

for Manager, Aircraft Certification Office  
Federal Aviation Administration  
Atlanta, Georgia USA

DATE: **APR 26 1996** \_\_\_\_\_

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IT'S PERFORMANCE THAT COUNTS!

MAULE AEROSPACE TECHNOLOGY, INC.  
MOULTRIE, GEORGIA  
AFM SUPPLEMENT NO. 1  
MAULE **M-8-235**  
with Lycoming **O-540-B4B5** Engine

SECTION I

OPERATING LIMITATIONS

1.2 POWER PLANT LIMITATIONS:

Propeller: McCauley B3D32C414-[]/[]-82NDA-2 (80") or -4 (78")  
(Use -2 with 7:00 x 6 tires or larger)

SECTION II

NORMAL OPERATING PROCEDURES

2.3 NORMAL FLIGHT OPERATIONS:

G. NOISE LEVEL:

The noise levels obtained during certification per FAR 36, were 76.48 dBA for -4 (78") and 78.10 dBA for -2 (80"). No determination has been made by the Federal Aviation Administration that the noise level of this airplane is or should be acceptable or unacceptable for the operation at, into, or out of any airport.

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DATE: **APR 26 1996**

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# Airplane Flight Manual Supplement No. 3

FOR

**MAULE M-8-235**

Reg. No. \_\_\_\_\_

Ser. No. \_\_\_\_\_

This Supplement must be attached to the FAA Approved Airplane Flight Manual dated **10 August 1992** when a Maule Model **M-8-235** aircraft is registered in Canada.

The information contained herein supplements the information of the basic Airplane Flight Manual; for limitations, procedures and performance information consult the basic Airplane Flight Manual.

FAA APPROVED: Eugene L. Bollin  
for Manager, Aircraft Certification Office  
Federal Aviation Administration  
Atlanta, Georgia USA

DATE: SEP 03 1999

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**ITS PERFORMANCE THAT COUNTS!**  
**2099 Georgia Hwy. 133 South~Moultrie, GA 31768**  
**Tel: 912-985-2045~Fax: 912-890-2402**

MAULE AEROSPACE TECHNOLOGY, INC.  
AFM SUPPLEMENT No. 3  
FOR MAULE **M-8-235**

The following Conversion Charts facilitate conversions between metric, imperial and U.S. units.

**1. WEIGHT CONVERSIONS:**

(Kilograms x 2.205 = Pounds) ~ (Pounds x .454 = Kilograms)

**KILOGRAMS INTO POUNDS  
KILOGRAMMES EN LIVRES**

kg	0	1	2	3	4	5	6	7	8	9
	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
0	...	2.205	4.409	6.614	8.819	11.023	13.228	15.432	17.637	19.842
10	22.046	24.251	26.456	28.660	30.865	33.069	35.274	37.479	39.683	41.888
20	44.093	46.297	48.502	50.706	52.911	55.116	57.320	59.525	61.729	63.934
30	66.139	68.343	70.548	72.753	74.957	77.162	79.366	81.571	83.776	85.980
40	88.185	90.390	92.594	94.799	97.003	99.208	101.41	103.62	105.82	108.03
50	110.23	112.44	114.64	116.85	119.05	121.25	123.46	125.66	127.87	130.07
60	132.28	134.48	136.69	138.89	141.10	143.30	145.51	147.71	149.91	152.12
70	154.32	156.53	158.73	160.94	163.14	165.35	167.55	169.76	171.96	174.17
80	176.37	178.57	180.78	182.98	185.19	187.39	189.60	191.80	194.01	196.21
90	198.42	200.62	202.83	205.03	207.24	209.44	211.64	213.85	216.05	218.26
100	220.46	222.67	224.87	227.08	229.28	231.49	233.69	235.90	238.10	240.30

**POUNDS KILOGRAMS**

220	100
210	95
200	90
190	85
180	80
170	75
160	70
150	65
140	60
130	55
120	50
110	45
100	40
90	35
80	30
70	25
60	20
50	15
40	10
30	5
20	0
10	
0	

**POUNDS INTO KILOGRAMS  
LIVRES EN KILOGRAMMES**

lb.	0	1	2	3	4	5	6	7	8	9
	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
0	...	0.454	0.907	1.361	1.814	2.268	2.722	3.175	3.629	4.082
10	4.536	4.990	5.443	5.897	6.350	6.804	7.257	7.711	8.165	8.618
20	9.072	9.525	9.979	10.433	10.886	11.340	11.793	12.247	12.701	13.154
30	13.608	14.061	14.515	14.969	15.422	15.876	16.329	16.783	17.237	17.690
40	18.144	18.597	19.051	19.504	19.958	20.412	20.865	21.319	21.772	22.226
50	22.680	23.133	23.587	24.040	24.494	24.948	25.401	25.855	26.308	26.762
60	27.216	27.669	28.123	28.576	29.030	29.484	29.937	30.391	30.844	31.298
70	31.752	32.205	32.659	33.112	33.566	34.019	34.473	34.927	35.380	35.834
80	36.287	36.741	37.195	37.648	38.102	38.555	39.009	39.463	39.916	40.370
90	40.823	41.277	41.731	42.184	42.638	43.091	43.545	43.999	44.452	44.906
100	45.359	45.813	46.266	46.720	47.174	47.627	48.081	48.534	48.988	49.442

Units x 10, 100, etc

FAA APPROVED  
DATE: SEP 03 1999

MAULE AEROSPACE TECHNOLOGY, INC.  
AFM SUPPLEMENT No. 3  
FOR MAULE **M-8-235**

**2. LENGTH CONVERSIONS:**

(Meters x 3.281 = Feet) ~ (Feet x .305 = Meters)

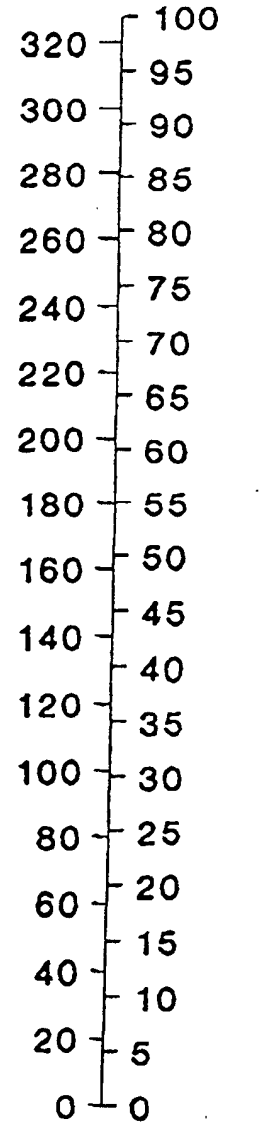
**METRES INTO FEET  
METRES EN PIEDS**

m	0	1	2	3	4	5	6	7	8	9
	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet
0	...	3.281	6.562	9.842	13.123	16.404	19.685	22.966	26.247	29.528
10	32.808	36.089	39.370	42.651	45.932	49.212	52.493	55.774	59.055	62.336
20	65.617	68.897	72.178	75.459	78.740	82.021	85.302	88.582	91.863	95.144
30	98.425	101.71	104.99	108.27	111.55	114.83	118.11	121.39	124.67	127.95
40	131.23	134.51	137.79	141.08	144.36	147.64	150.92	154.20	157.48	160.76
50	164.04	167.32	170.60	173.88	177.16	180.45	183.73	187.01	190.29	193.57
60	196.85	200.13	203.41	206.69	209.97	213.25	216.53	219.82	223.10	226.38
70	229.66	232.94	236.22	239.50	242.78	246.06	249.34	252.62	255.90	259.19
80	262.47	265.75	269.03	272.31	275.59	278.87	282.15	285.43	288.71	291.99
90	295.27	298.56	301.84	305.12	308.40	311.68	314.96	318.24	321.52	324.80
100	328.08	331.36	334.64	337.93	341.21	344.49	347.77	351.05	354.33	357.61

**FEET INTO METRES  
PIEDS EN METRES**

feet	0	1	2	3	4	5	6	7	8	9
	metres	metres	metres	metres	metres	metres	metres	metres	metres	metres
0	...	0.305	0.610	0.914	1.219	1.524	1.829	2.134	2.438	2.743
10	3.048	3.353	3.658	3.962	4.267	4.572	4.877	5.182	5.486	5.791
20	6.096	6.401	6.706	7.010	7.315	7.620	7.925	8.230	8.534	8.839
30	9.144	9.449	9.754	10.058	10.363	10.668	10.973	11.278	11.582	11.887
40	12.192	12.497	12.802	13.106	13.411	13.716	14.021	14.326	14.630	14.935
50	15.240	15.545	15.850	16.154	16.459	16.764	17.069	17.374	17.678	17.983
60	18.288	18.593	18.898	19.202	19.507	19.812	20.117	20.422	20.726	21.031
70	21.336	21.641	21.946	22.250	22.555	22.860	23.165	23.470	23.774	24.079
80	24.384	24.689	24.994	25.298	25.603	25.908	26.213	26.518	26.822	27.127
90	27.432	27.737	28.042	28.346	28.651	28.956	29.261	29.566	29.870	30.175
100	30.480	30.785	31.090	31.394	31.699	32.004	32.309	32.614	32.918	33.223

**FEET METRES**



Units x 10, 100, etc.

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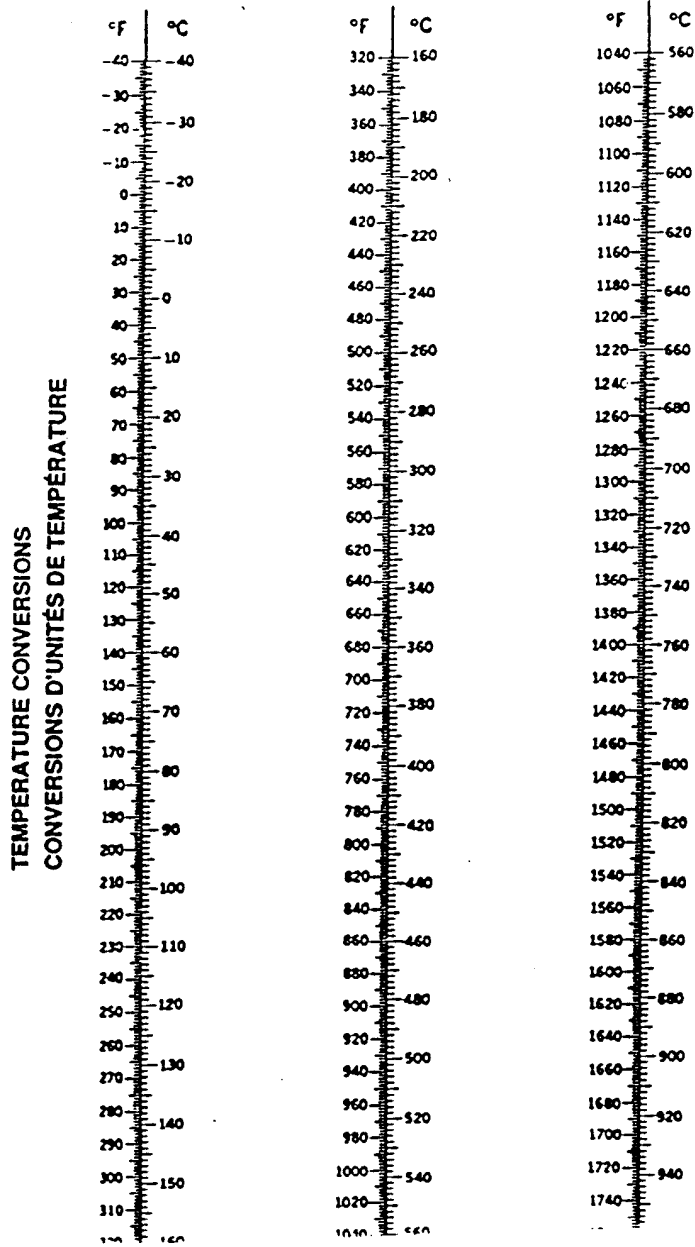
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MAULE AEROSPACE TECHNOLOGY, INC.  
AFM SUPPLEMENT No. 3  
FOR MAULE **M-8-235**

**3. TEMPERATURE CONVERSIONS:**

$$(^{\circ}\text{F} - 32) \times 5/9 = ^{\circ}\text{C} \times 9/5 + 32 = ^{\circ}\text{F}$$

TEMPERATURE CONVERSIONS

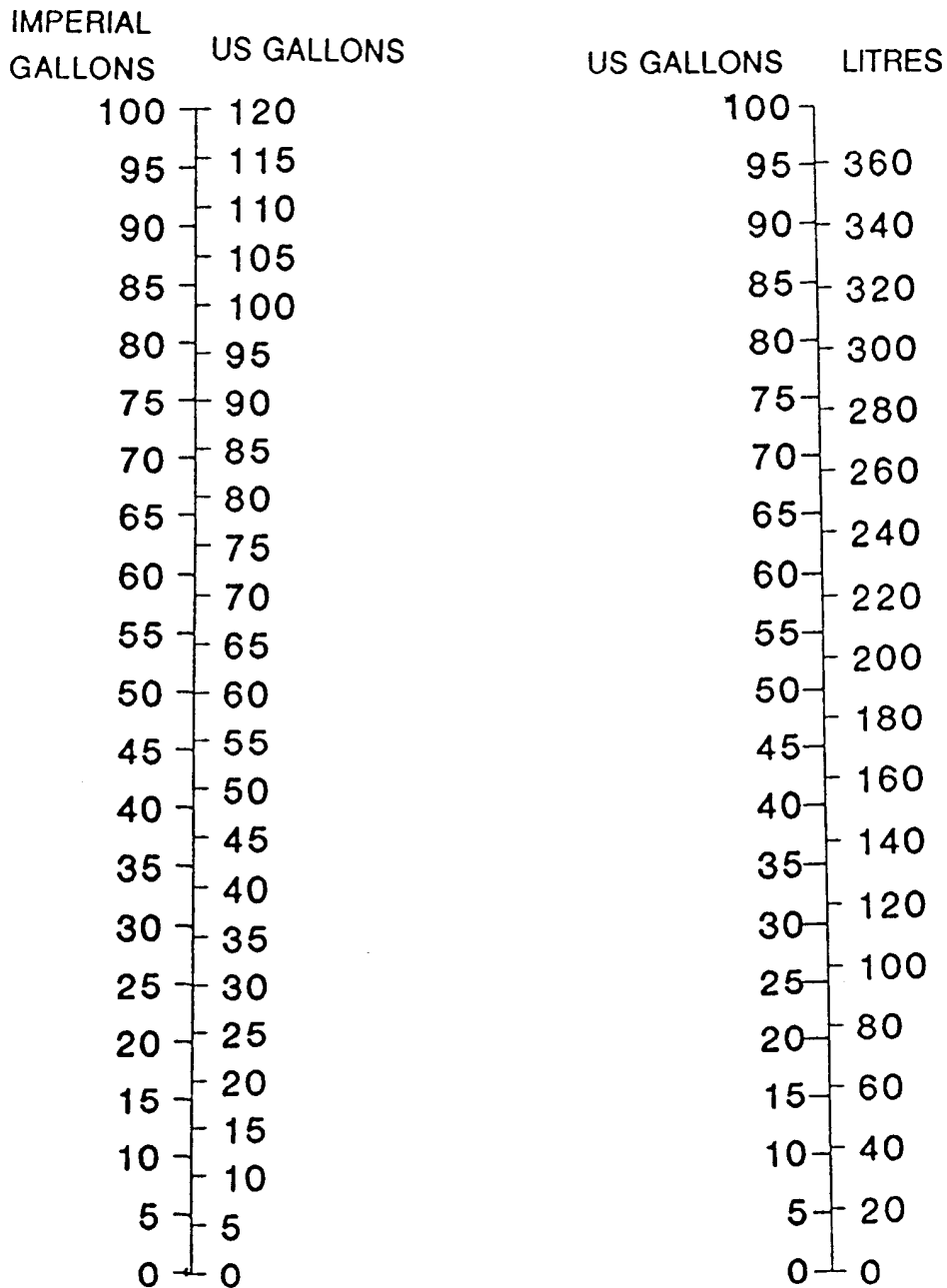


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MAULE AEROSPACE TECHNOLOGY, INC.  
 AFM SUPPLEMENT No. 3  
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**4. VOLUME CONVERSIONS:**

(Imperial Gallons x 1.2 = US Gallons) ~ (US Gallons x .833 = US Gallons)  
 (US Gallons x 3.785 = Liters) ~ (Liters x .264 = US Gallons)



Units x 10, 100, 1000, etc.

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5. **QUICK CONVERSIONS:**

In a world of US, Imperial and metric measures, below is a quick way to convert from one system to another. Follow arrow and multiply; backtrack the arrow and divide. Bear in mind that these figures are approximations for quick reference but with enough accuracy to eliminate gross errors.

