

MAWG AIRCRAFT DATA SUMMARY

Data as of: 15-Oct-14	MAWG CAP Aircraft Data					
Aircraft	1941	1924	1929	1928	1930	1931
Registration	N4815C	N980CP	N96227	N9633X	N658CP	N373CP
Callsign	CPF1941	CPF1924	CPF1929	CPF1928	CPF1930	CPF1931
Type/Model	172P	172R	172Q	182R	182T	182T
Year	1985	1997	1983	1986	2005	2007
Color	W/Blu/R	W/Blu/R	W/Blu	W/Blu/R	W/Blu/R	W/Blu/R
Engine HP	180	180	180	230	230	230
Useable Fuel (Gal)	40	53	50	88	87	87
Max Gross Weight	2550.0	2550.0	2550.0	3100.0	3100.0	3100.0
Max Landing Weight	2550.0	2550.0	2550.0	2950.0	2950.0	2950.0
Empty Weight	1576.6	1675.3	1579.6	1901.9	2056.3	2046.0
Useful Load	973.4	874.7	970.4	1198.1	1043.7	1054.0
Aircraft Moment/1000	61.466	67.583	59.615	73.297	81.434	80.149
Msn Kit Weight	20.0	24.0	25.0	24.0	25.0	25.0
Msn Kit Location	Area # 1	Area # 1	Area # 1	Area # 1	Area # 1	Area # 1
Mission Payload*	713.4	532.7	645.4	646.1	496.7	507.0
GPS Type	Garmin 430W	Garmin 400W	GX55	Garmin 400W	G1000	G1000W
DF Radio	Becker DF-517	L-Tronics	L-Tronics	L-Tronics	Becker DF-517	Becker DF-517
DF Antenna Location	Bottom	Bottom	Top	Bottom	Bottom	Bottom
Date of Wt & Bal Data	4/3/2012	7/8/2014	1/3/2013	12/14/2012	9/12/2013	11/14/2007
* Mission Payload is the capacity for crew and equipment with normal ramp full fuel load and mission kit onboard: Mission Payload = Max gross wt - empty wt - ramp fuel - mission kit						
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Type/Model	172P	172R	172Q	182R	182T	182T
Vr	55	55	55	50	50	50
Vs	50	48	50	50	51	51
Vso	40	40	40	40	41	41
Vx	62	62	62	59	58	58
Vy	76	74	76	81	80	80
Va	105@2550	105@2550	105@2550	111@3100	110@3100	110@3100
Va	95@2150	95@2150	95@2150	102@2600	101@2600	101@2600
Va	85@1750	85@1750	85@1750	88@2000	91@2100	91@2100
Short Field TO	57	56	57	59 w/flap 20°	58 w/flap 20°	58 w/flap 20°
Climb Normal	70 - 80	75 - 85	70 - 80	70 - 80	70 - 80	70 - 80
Climb Enroute	75 - 85	75 - 85	75 - 85	75 - 85	85 - 95	85 - 95
Vapp	65 - 75	65 - 75	65 - 75	65 - 75	70 - 80	70 - 80
Vapp/flaps	60 - 70	60 - 70	60 - 70	60 - 70	60 - 70	60 - 70
V app short field	62	61	62	62	60	60
1.3 Vs @ 30deg	76	76	76	78	78	78
V Eng Takeoff Failure	70 Clean/65 Flaps	70 Clean/65 Flaps	70 Clean/65 Flaps	75 Clean/70 Flaps	75 Clean/70 Flaps	75 Clean/70 Flaps
V Best Glide (max wt)	68@2550	68@2550	68@2550	76@3100	76@3100	76@3100
V Best Glide	62@2150	62@2150	62@2150	70@2600	70@2600	70@2600
Disclaimer - Note to Aircrew: This document is for quick reference only. Please consult the Approved Flight Manual and Weight & Balance for official aircraft data and numbers.						