

XCub Cruise Performance Chart v1.7.8
[XCub Performance+ 180] v1.7.8 and greater

NOT FOR REAL WORLD USE

Pressure Altitude (ft)	RPM	Power (MP)	TAS (KTS)	Fuel Flow (GPH)	NOTES
3000	2300	19.0 (52%)	112	7.3	<p>Lycoming O-360-C1G 180 HP 80" Hartzell Trailblazer Propeller Gross weight 2300 LB Useful Load 1084 LB</p> <p>Max Range 695NM (Main Tanks Only) Max Cargo Weight 230 LB</p>
	2400	20.3 (59%)	117	8.2	
	2500	21.6 (67%)	122	9.4	
	2600	22.9 (75%)	126	10.5	
	2700	23.7 (82%)	129	11.4	
	5000	2300	18.3 (50%)	112	
2400		19.6 (57%)	118	8.2	
2500		20.9 (65%)	122	9.4	
2600		22.0 (72%)	127	10.4	
2700		22.8 (79%)	130	11.2	
7000		2300	17.6 (49%)	114	7.0
	2400	18.9 (56%)	118	8.0	
	2500	19.9 (62%)	123	8.9	
	2600	20.6 (68%)	127	9.8	
	2700	21.6 (75%)	130	10.8	
	9000	2300	16.9 (47%)	115	6.7
2400		18.0 (53%)	119	7.6	
2500		18.8 (59%)	124	8.5	
2600		19.6 (65%)	128	9.4	
2700		20.2 (70%)	131	10.1	

XCub Cruise Performance Chart v1.7.8

[XCub Performance+ 215] v1.7.8 and greater

NOT FOR REAL WORLD USE

Pressure Altitude (ft)	RPM	Power (MP)	TAS (KTS)	Fuel Flow (GPH)	NOTES
					Mixture leaned for maximum power. Numbers recorded at standard atmosphere 50% Main tank fuel / 180 lb Pilot
3000	2300	19.2 (52%)	119	8.0	Lycoming CC393I 215 HP 80" Hartzell Trailblazer Propeller Gross weight 2300 LB Useful Load 1074 LB Max Range 695NM (Main Tanks Only) Max Cargo Weight 230 LB
	2400	20.4 (59%)	124	9.0	
	2500	21.9 (67%)	129	10.2	
	2600	23.4 (75%)	134	11.5	
	2700	24.1(82%)	138	12.5	
5000	2300	18.4 (50%)	120	7.6	Max Speed Level - 133 KTS Max Cruise - 126 KTS Max Maneuver Speed - 86 KTS Maximum Flap Extension Speed - 73 KTS Stall Speed (Full Flap) - 40 KTS Stall Speed (Clean) - 41 KTS Best Angle - 51 KTS Best Rate - 64 KTS Best Glide(2300Lbs) - 59 KTS
	2400	19.7 (57%)	125	8.7	
	2500	21.1 (65%)	130	9.9	
	2600	21.3 (69%)	133	10.5	
	2700	22.0 (75%)	136	11.3	
7000	2300	17.6 (49%)	121	7.5	Climb Power- 25MP/2500RPM Performance Cruise (75% Rated) 161hp @ 2450 (11.3GPH) Economy Cruise (65% Rated) 140hp @ 2350 (10.3GPH)
	2400	19.0 (56%)	127	8.6	
	2500	19.9 (62%)	131	9.5	
	2600	20.5 (68%)	134	10.3	
	2700	20.2 (70%)	136	10.7	
9000	2300	16.9 (47%)	122	7.2	
	2400	17.9 (53%)	127	8.1	
	2500	18.8 (59%)	132	9.0	
	2600	19.4 (65%)	135	9.8	
	2700	19.5 (68%)	137	10.3	

Millibars to Inches of Mercury

965	28.50
966	28.53
967	28.56
968	28.59
969	28.61
970	28.64
971	28.67
972	28.70
973	28.73
974	28.76
975	28.79
976	28.82
977	28.85
978	28.88
979	28.91
980	28.94
981	28.97
982	29.00
983	29.03
984	29.06
985	29.09
986	29.12
987	29.15
988	29.18
989	29.21
990	29.23
991	29.26
992	29.29
993	29.32
994	29.35
995	29.38
996	29.41
997	29.44
998	29.47
999	29.50
1000	29.53

1001	29.56
1002	29.59
1003	29.62
1004	29.65
1000	29.53
1001	29.56
1002	29.59
1003	29.62
1004	29.65
1005	29.68
1006	29.71
1007	29.74
1008	29.77
1009	29.80
1010	29.83
1011	29.85
1012	29.88
1013	29.91
1014	29.94
1015	29.97
1016	30.00
1017	30.03
1018	30.06
1019	30.09
1020	30.12
1021	30.15
1022	30.18
1023	30.21
1024	30.24
1025	30.27
1026	30.30
1027	30.33
1028	30.36
1029	30.39
1030	30.42
1031	30.45

1032	30.47
1033	30.50
1034	30.53
1035	30.56
1036	30.59
1037	30.62
1038	30.65
1039	30.68
1040	30.71
1041	30.74
1042	30.77
1043	30.80
1044	30.83
1045	30.86
1046	30.89
1047	30.92
1048	30.95
1049	30.98
1050	31.01
1051	31.04
1052	31.07
1053	31.10
1054	31.12
1055	31.15
1056	31.18
1057	31.21
1058	31.24
1059	31.27
1060	31.30
1061	31.33
1062	31.36
1063	31.39
1064	31.42
1065	31.45
1066	31.48
1067	31.51