

AIRCRAFT AIRSPEEDS

Cessna 150, Others

Updated June 2, 2014

GNBL C150M V/C (1975) 100HP

FFXT C150L V/C (1972) 100HP

GOAW C170B V/C 145HPH

GKXD Super Decathlon GV/C 200HP

Airspeeds in MPH (IAS)	C-150		C-170 B	8KCAB
	(if different)		MPH (IAS)	MPH (IAS)
Rotate	55		60	56
Climb	75-85		80-90	75-80
V _Y	78 (NBL) 76 (FXT)		89	80
V _X	70		67	58
V _{S0}	48		52	
V _{S1}	55		58	53
V _A	109		115	107 (1950 lbs)
V _A				132 (1800 lbs)
V _{NO}	125		140	160
V _{NE}	162		160	200
Best Glide	70		75	75
Approach	70-80		70-75	75-80
Approach Full Flap	60-70		65 - 70	
Max. V _{FE}	100		100	
<u>Weights are in pounds</u>				
Max. T/O Weight	1600		2200	1950
Max. Utility	1600		1900	1800
Bag. Area 1	120			
Bag. Area 2	40			
Combined	120		120	100
Oil Grade	20W50			
Quantity Quarts	4-6		5-8	8-10
Fuel Grade	100LL		100LL	100LL
Useable Gallons (US)	22.5		37	39
Total Gallons (US)	26		42	40

Use of these figures and of this information does not relieve the PIC of his/her responsibility to verify that the figures are correct as per the POH and the listed equipment is serviceable.

AIRCRAFT AIRSPEEDS

Cessna 172, 182

Updated May 30, 2014

GMME C172M V/C (1975) 150HP

GQUO C172N GLOV/C (1979) 160HP

GQQV C172N GLOVD/C (1979) 160HP

GYWN C172N V/C (1977) 160HP

GKSK C172S SG/C (2000) 180HP

FBEK C182S SG/C (2001) 225HP

Airspeeds in Knots (IAS)	C-172	C-172	C-172
	M Model	N Models	S Model
Rotate	55		55
Climb	70-80		70-85
V _Y	78	73	74
V _X	64	59	62
V _{S0}	41	44	40
V _S	47	50	48
V _A	97 (2300 lbs)		105 (2550 lbs)
V _A	89 (1950 lbs)		98 (2200 lbs)
V _A	80 (1600 lbs)		90 (1900 lbs)
V _{NO}	128	128	129
V _{NE}	160	158	163
Best Glide	65		68
Approach	60-70		65-75
Approach Full Flap	55-65		60-70
Max. V _{FE}	85		110 - 0-10° 85 - 10-30°
<u>Weights are in pounds</u>			
Max. T/O Weight	2300		2550
Max. Utility	2000		2200
Bag. Area 1	120		120
Bag. Area 2	50		50
Combined	120		120
Oil Grade	----- See Journey Log -----		
Quantity Quarts	6-8	5-6	6-7
Fuel Grade	100LL		100LL
Useable Gallons (US)	48	40...50(QQV)	58

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<u>C-182</u>
60
70-80
80
63
36
43
110 (3100 lbs)
101 (2600 lbs)
88 (2000 lbs)
140
175
75
70 - 20° Flap
60
140 - 0-10°
120 - 10-20°
100 - 20-40°
2950
(Max Landing)
120 (Area A)
80 (Area B, C)
200

5-8
100LL
88

he
ect