

Allegro 2000_80 hp

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#03-202

Rotax 912 UL (80 hp)

Woodcomp Classic 160 Propellor 633R

Prop. Pitch set for BEST CRUISE (low alt.)

(5,500 rpm with full throttle low altitude)

Airspeed Indicator reads very high

(about 5% at low end to 15% at red line)

Airspeeds shown are at Sea Level Density Alt.

Approximate Variations (constant RPM)

Per 1,000' (300 m) change in DA

TAS decreases ~ 0.5%

IAS decreases ~2.0%

% Power decreases ~2.0%

Approximate Variations (constant % Power)

Per 1,000' (300 m) change in DA

TAS Increases ~1.5%

RPM requirement increases ~100

Change in Pitch Setting invalidates the speeds

But NOT the variations with change in DA

Engine	True Airspeed (TAS)			Indicated Airspeed (IAS)		
RPM	MPH	Knots	Km/hr	MPH	Knots	Km/hr
5,500	126	110	203	145	126	233
5,400	123	107	198	140	122	226
5,300	120	104	193	136	118	219
5,200	118	103	190	133	116	214
5,100	115	100	185	129	112	207
5,000	112	97	180	124	108	200
4,900	109	95	175	120	104	193
4,800	107	93	172	118	102	189
4,700	105	91	169	115	100	185
4,600	104	90	167	114	99	184
4,500	102	89	164	112	97	180
4,400	100	87	161	109	95	176
4,300	98	85	158	107	93	172
4,200	96	83	154	105	91	168
4,100	94	82	151	102	89	165
4,000	92	80	148	100	87	161
3,900	88	77	142	95	83	153
3,800	85	74	137	92	80	147
3,700	81	70	130	87	75	140
3,600	77	67	124	82	71	132
3,500	73	63	117	77	67	124
3,400	70	61	113	74	64	118