	I	J	K	L	M	N	O	P	Q	R	S
1	**CHIPPER CRUISE SPEED CHART - Sept 24 2017**										
2	**Conditions:**										
3	**Chipper with aerodynamic cleanup, faired struts and landing gear, 15" tires, NO WHEEL PANTS**										
4	**Flaps and Droop Ailerons - 0**										
5	**Rotax 912UL 80HP**										
6	**Fuel consumption are estimates based on collected data, interpolation, and published Rotax info**										
7	**This chart has been corrected to ISA standard**										
9						Corrected					
10	Altitude		RPM	RPM	IAS	TAS	Est	Est	Est	Est	%
11	ft		Prop	Engine	mph	mph	GPH	LPH	MPG	HP	Power
47	**7500**	**2286**	**2400**	**5448**		**102.4**	4.24	**16.03**	**24.2**	**64.3**	**80.4%**
48	7500	2286	2300	5221		98.8	3.97	15.03	24.9	60.3	75.4%
49	7500	2286	2200	4994		95.2	3.71	14.03	25.7	56.3	70.4%
50	7500	2286	2100	4767		89.1	3.41	12.91	26.1	51.8	64.8%
51	7500	2286	2000	4540		83.1	3.12	11.80	26.7	47.4	59.2%
52	**7500**	**2286**	**1900**	**4313**		**76.5**	2.82	**10.69**	**27.1**	**42.9**	**53.6%**
53											
54	**6500**	**1981.2**	**2400**	**5448**		**103.8**	**4.39**	**16.61**	**23.7**	**66.7**	**83.3%**
55	6500	1981.2	2300	5221		100.1	4.11	15.57	24.3	62.5	78.1%
56	6500	1981.2	2200	4994		96.5	3.84	14.54	25.1	58.3	72.9%
57	6500	1981.2	2100	4767		90.4	3.54	13.38	25.6	53.7	67.1%
58	6500	1981.2	2000	4540		84.2	3.23	12.23	26.1	49.1	61.3%
59	6500	1981.2	1900	4313		77.6	2.93	11.07	26.5	44.4	55.6%
60											
61	**5500**	**1676.4**	**2400**	**5448**		**104.5**	**4.52**	**17.11**	**23.1**	**68.7**	**85.8%**
62	5500	1676.4	2300	5221		100.8	4.24	16.04	23.8	64.4	80.5%
63	5500	1676.4	2200	4994		97.1	3.96	14.97	24.6	60.1	75.1%
64	5500	1676.4	2100	4767		91.0	3.64	13.78	25.0	55.3	69.1%
65	5500	1676.4	2000	4540		84.8	3.33	12.59	25.5	50.5	63.2%
66	5500	1676.4	1900	4313		78.1	3.01	11.41	25.9	45.8	57.2%
67											
68	**4500**	**1371.6**	**2420**	**5493**		**106.0**	**4.65**	**17.61**	**22.8**	**70.7**	**88.3%**
69	4500	1371.6	2300	5221		102.3	4.36	16.51	23.4	66.2	82.8%
70	4500	1371.6	2200	4994		98.5	4.07	15.41	24.2	61.8	77.3%
71	4500	1371.6	2100	4767		92.3	3.75	14.19	24.6	56.9	71.2%
72	4500	1371.6	2000	4540		86.0	3.42	12.96	25.1	52.0	65.0%
73	4500	1371.6	1900	4313		79.2	3.10	11.74	25.5	47.1	58.9%

Airspeed Chart