

8 PERFORMANCE

		503-UL				582-UL			
		Streak Wing		Wizard Wing		Streak Wing		Wizard Wing	
		Min Weight	Max Weight	Min Weight	Max Weight	Min Weight	Max Weight	Min Weight	Max Weight
V _{ne}	knots	81	81	54	54	81	81	54	54
	(IAS) mph	93	93	62	62	93	93	62	62
Manoeuvring speed	knots	60	60	54	54	60	60	54	54
	(IAS) mph	83	83	62	62	83	83	62	62
Trim Speed	knots	40-50	40-50	30-36	30-36	40-50	40-50	30-36	30-36
	(IAS) (Middle Hole) mph	46-58	46-58	35-41	35-41	46-58	46-58	35-41	35-41
Stall Speed	knots	23	30	23	30	23	30	23	30
	(IAS) Power Off mph	27	35	27	32	27	35	27	32
Take Off Safety Speed	knots	35	45	31	37	45	50	31	37
	(IAS) mph	40	52	36	43	52	58	36	43
Nominated (IAS) Approach Speed	knots	45	50	31	37	45	50	31	37
	mph	52	58	36	43	52	58	36	43
Maximum Level Speed	knots	75	80	50	50	75	75	50	50
	(IAS) mph	86	92	58	58	86	86	58	58
Cross winds of up to	knots	11	14	11	14	11	14	11	14
	mph	13	16	13	16	13	16	13	16
Climb Rate at take off safety speed	fpm		447		430		717		525
Cruising Speed	knots	60	65	40	45	60	65	40	45
	(IAS) Fwd CG mph	69	75	46	52	69	75	46	52
Sink fpm at cruising speed	Rate		1184		450		1184		450
	Sink Rate at V _{ne} fpm		2355		904		2355		904
Glide Ratio (engine off)		11:1	11:1	10:1	10:1	11:1	11:1	10:1	10:1

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	Streak Wing		Wizard Wing		Streak Wing		Wizard Wing	
	Min Weight	Max Weight	Min Weight	Max Weight	Min Weight	Max Weight	Min Weight	Max Weight
Take Off Distance metres (See Note 1)		260		220		218		240
Landing Distance metres (See Note 1)		228		210		228		210
Min airstrip length metres		364		310		305		340
Max wind knots	20	20	20	20	20	20	20	20
operating conditions (at ground Level) mph	23	23	23	23	23	23	23	23