

# PIA Canopy Volume Study

Updated : 02/09/95

PIA CANOPY STUDY TS-104.13

MFG	MODEL	DOM	LINE	VOL	AREA	WGT
ADVANCED PARA SYS	BOGY 178-R	93/03	S	392	170	6.0
	LASER 250-R	90/10	D	574	247	8.0
	LASER 9	91/10	D	715	290	9.75
	RASCAL 202	94/04	D	422	201	6.75
	RASCAL 262	91/10	D	643	259	8.75
	RASCAL 9	91/10	D	611	228	8.0
AERODYNE RESEARCH	TRIATHLON 190	94/07	S	509	196	7.00
AERODYNE RESEARCH	AR-11-120	92/07	S	414	119	5.75
		92/10	S	460	117	5.75
	AR-11-140	92/11	S	538	136	7.25
	AR-11-160	92/11	S	592	156	8.0
		92/12	S	481	158	7.25
		93/04	S	516	157	6.75
	AR-11-180	93/01	S	563	174	7.50
		93/04	S	515	171	7.25
	AR-7-163	93/07	D	579	161	8.25
	AR-7-177	91/04	D	528	175	7.5
	TRIATHLON 160	94/11	S	419	168	6.00
AIR TIME	JONATHAN 136	91/11	S	333	NA	5.0
	JONATHAN 150	92/02	S	376	NA	
BASIC RESEARCH	FOX 220	93/08	D	567	225	7.75
	FOX 240	94/01	D	715	247	9.25
CHUTE SHOP S.A.	MICRON 175	90/09	K	370	170	6.25
	TEMPO 210	94/07	S	404	404	6.5
FLITE CONCEPTS	STARTRAC I	94/05	D	713	270	9.75
FREE FLIGHT	AMIGO 120	92/11	S	302	126	4.25
	AMIGO 134	92/07	S	365		
		92/11	S	334	143	4.75
	AMIGO 152	00/00	S	330	137	4.75
		92/08	S	380	155	5.50
		92/11	S	366	161	5.00
	AMIGO 172	00/00	S	385	181	6.0
		92/11	S	408	183	5.75
	AMIGO 206	92/08	S	481	217	6.50
	PRESERVE III	00/00	D	384	24'	6.0
PRESERVE III-1	86/10	D	439	24'	5.6	
FTS	BOGEY 178	87/06	D	378	174	6.0
	BOGEY 229	87/06	D	474	224	7.5
	BOGEY 9	87/06	D	471	193	7.0
	LASER 250	87/05	D	526	235	7.75
	LASER 5	87/03	D	375	170	6.0
	LASER 7	87/04	D	490	228	7.5
	LASER 8	87/04	D	582	261	8.55
	LASER 9	87/04	D	629	290	9.25
	RANGER 7	86/12	D	576	268	8.25
	RASCAL 202	87/04	D	435	206	6.75
RASCAL 262	87/04	D	594	261	8.5	

	RASCAL 7	87/03 D	397	186	6.35
	RASCAL 9	87/05 D	553	236	8.2
GLIDE PATH	ARIEL 135	91/11 S	408	142	5.75

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MFG	MODEL	DOM	LINE	VOL	AREA	WGT
GLIDE PATH	ARIEL 150	91/08 S		414	150	6.25
	ARIEL 170	91/11 S		461	168	7.0
	CLIPPER	85/03 D		432	187	NA
		87/04 D		497	188	7.0
	CRICKET-M	87/06 D		385	147	6.0
	CRICKET-R	91/11 S		347	142	5.0
	EXPRESS 175		D	569	160	9.0
	EXPRESS 187		D	601	174	9.0
	FIRELITE RES	92/05 S		390	170	5.50
	FIRELITE-M	86/08 D		410	177	6.25
		87/04 D		449	175	6.4
	FIRELITE-R	86/06 D		368	177	6.25
		87/06 D		426	175	6.4
	FURY-CRW	89/02 D		624	196	9.5
		91/07 D		642	214	9.25
	FURY-M	85/05 D		454	213	7.5
		87/05 D		538	220	7.5
		91/06 S		477	218	6.75
	HUMMINGBIRD	87/06 D		381	137	6.0
		92/11 S		357	135	5.25
	MAN-O-WAR	86/08 D		629	319	10.2
	MANTA	84/04 D		621	278	10.0
		87/05 D		701	284	9.5
	MAVERICK-M	85/03 D		425	194	7.0
		87/03 D		500	197	7.0
	MAVERICK-R	88/08 D		468	468	7.0
	MAVERONE	91/10 S		576	250	8.0
	NOVA 120	92/02 S		331	116	5.0
	NOVA 125-R	93/01 S		292	122	4.5
	NOVA 135	92/04 S		340	133	5.25
	NOVA 140R		S	337	137	4.75
	NOVA 150	92/05 S		429	150	6.00
	NOVA 155 (PROTO)		S	344	149	5.0
	NOVA 170	92/02 S		448	169	6.75
	NOVA 190	92/04 S		438	190	7.0
	NOVA 99	92/09 S		379	140	5.00
	RAIDER	92/03 S		515	225	7.75
	RAIDER-M	86/05 D		484	225	8.2
		87/05 D		559	225	8.25
	SHARPCHUTER	86/08 D		503	245	7.75
	STARTRAC I	91/07 D		740	270	9.75
	STARTRAC II	91/07 D		722	283	9.75
	WILDFIRE-M	86/09 D		414	165	6.75

GQ UK/GQ SEC	SAC	85/01 D	395	22'	NA
	SECURITY LOPO	73/02 D	519	26'	7.5
	SIROCCO	84/07 D	378	178	6.1
	UNIT III	84/02 D	643	240	8.75
	UNIT-F-111	79/11 D	546	198	7.75
	X-210-M	83/07 D	424	196	7.9
	X-210-R	83/04 D	458	198	7.0

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MFG	MODEL	DOM LINE	VOL	AREA	WGT
JYRO	ICARUS 115	93/04 S	314	127	4.75
	ICARUS ALPHA 104	94/04 S	287		
	ICARUS-A 139	94/12 S	368		5.50
MISCELLANEOUS	FIREFLY-R	83/10 D	384	175	6.5
	IMPULSE 180 CRW	91/04 D	481	179	6.75
	JET STREAM 250-7	86/09 D	532	249	8.5
	PEGASUS	83/01 D	445	220	7.8
	PRESERVE IV	82/12 D	343	NA	5.0
	TWISTER 200	90/03 D	444	202	6.0
	VECTOR TANDEM II	86/11 D	980	350	13.25
N.A.A.	PARAFOIL 200	83/08 D	547	190	8.25
	PARAFOIL 252	85/04 D	677	236	NA
		90/03 D	793	250	10.75
		90/09 D	896	240	11.0
		94/12 D	753	260	10.50
	PARAFOIL 262	93/03 D	793	266	10.25
	PARAFOIL 272	85/04 D	761	272	11.5
	PARAFOIL 282	00/00 D	776	285	11.6
		89/02 D	888	271	12.50
	TRICON 26	86/02 D	579	26'	8.75
N.E. PARA	CHALLENGER 180	88/09 D	624	196	8.75
	CHALLENGER 198	88/09 D	696	214	9.5
	CHALLENGER 218	88/12 D	710	236	10.0
		88/12 D	758	232	10.0
	CHALLENGER 228	88/06 D	683	247	10.5
	CHALLENGER 238	88/10 D	785	254	10.75
		93/08 D	773	253	10.5
	CHALLENGER 240-RW	89/01 D	602	264	8.75
	CHALLENGER 259	88/06 D	823	282	11.5
	CHALLENGER 282	86/07 D	780	310	12.5
	CHALLENGER 305	88/10 D	984	333	13.0
	CHALLENGER 328	87/07 D	974	353	13.25
NATIONAL	AVENGER	84/04 D	457	214	7.1
	MARAUDER	84/06 D	547	253	8.2
	PHANTOM 145	87/03 D	343	139	5.0
	PHANTOM 180	86/01 D	369	176	6.0
	PHANTOM 22	85/04 D	274	22'	4.1
	PHANTOM 24	85/04 D	332	24'	5.1
		87/03 D	386	24'	5.25

	PHANTOM 26	84/11 D	384	26'	6.15
		87/04 D	435	26'	6.0
	PHANTOM 28	85/01 D	472	28'	7.0
	SCORPION	84/06 D	419	178	6.5
	SPITFIRE	84/06 D	402	176	6.2
	STINGRAY	84/04 D	324	142	5.3
	VULCAN	00/00 D	561	NA	NA
P.I.S.A.	CONQUEST 190	92/06 S	544	188	7.5
	INVADER 370	85/06 D	358	24'	5.5
	INVADER 420	85/06 D	400	26'	6.25
	REFLEX 145	90/09 K	405	NA	NA

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MFG	MODEL	DOM	LINE	VOL	AREA	WGT
P.I.S.A.	TEMPO 120	93/07	S	267	120	4.50
	TEMPO 150	93/10	S	294	144	.0
	TEMPO 170	93/10	S	345	181	5.75
PARA AUSTRALIA	AIR FORCE 120	93/08	S	265	122	3.8
	AIR FORCE 140	94/05	S	287	287	4.75
	METEOR	85/08	D	492	213	7.1
	X-228	00/00	D	573	217	8.5
	X-300	83/03	D	723	275	9.5
PARA DE FRANCE	BT-50	B9/01	K	388	NA	6.25
	BT-60	89/01	K	420	NA	7.0
	MAGIC	89/01	D	535	232	7.5
	MINIMAX 7	91/05	R	407	174	5.0
	TRANSFAIR	90/08	D	292	120	4.12
PARA FLITE	CIRRUS-R	85/02	D	443	230	7.0
		87/03	D	503	237	7.5
	CRUISLITE	85/05	D	476	220	7.75
		86/10	D	569	220	7.75
		91/03	D	592	222	8.0
	CRUISLITE BETA	85/03	D	399	175	6.4
	CRUISLITE XL	86/05	D	554	241	8.9
		90/03	D	684	246	10.75
	DC-5	85/07	D	556	282	8.9
	EVOLUTION 140	90/11	S	474	150	6.50
	EVOLUTION 160	89/10	D	505	166	7.0
		90/10	S	537	166	7.0
	EVOLUTION 160/S	91/04	S	600	168	6.75
	EVOLUTION 240	90/03	S	707	228	8.5
		90/11	S	642	236	8.75
	EVOLUTION/S 200	91/12	S	796	216	8.5
	NIMBUS	84/05	D	537	223	8.25
		87/01	D	626	NA	NA
	NIMBUS BETA	85/05	D	454	188	7.1
		87/05	D	521	191	7.25
	NIMBUS XL	85/06	D	623	273	NA
	PURSUIT 230	85/04	D	608	236	10.1

PURSUIT 230/RW	85/07 D	549	232	8.8
PURSUIT 230175	92/02 D	735	228	10.50
ROBO 205	91/02 S	473	205	6.5
ROBO Z-165	92/09 S	410	163	5.75
ROBO Z-185	00/00 S	500	179	6.50
	92/09 S	454	181	6.25
SAFETY FLYER	78/06 D	468	152	7.01
SPORT 260	00/00 D	715	242	10.5
STRATO CLOUD	85/06 D	569	240	9.2
SUPER EVOLUTION 140	92/02 S	483	148	6.50
SWIFT MAIN	00/00 D	397	199	6.1
SWIFT PLUS 145	91/06 S	330	146	5.0
SWIFT PLUS 175	88/10 D	410	180	5.75
	92/02 S	433	177	5.75
SWIFT PLUS 225	91/07 S	524	2316	7.5

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MFG	MODEL	DOM	LINE	VOL	AREA	WGT
PARA FLITE	SWIFT RESV	85/04 D		366	177	5.7
		87/06 D		413	184	6.0
	TURBO Z 185	93/11 S		485	180	6.50
	TURBO Z 205	93/08 S		505	203	7.5
	XL-CLOUD	85/07 D		631	277	10.1
		89/04 D		792	279	10.75
PARA INNOVATORS	EAGLE	00/00 D		560	253	NA
	HAWK	00/00 D		435	225	7.1
	R2-3	85/06 D		321	23'	5.1
	R4-3	85/06 D		394	26'	6.2
PERFORM DESIGNS	EXCALIBUR 210	89/01 S		575	NA	NA
	LIGHTENING160/Z-P	93/03 D		534	171	8.5
	LIGHTENING 176	93/01 D		497	189	8.0
	LIGHTENING 193	94/01 D		534	201	7.5
	LIGHTENING 193/F111	94/06 D		510	202	7.75
	LIGHTENING 218	92/11 D		610	231	8.75
	LIGHTENING 235/F111	94/06 D		600	247	8.75
	LIGHTENING 253	93/11 D		694	271	10.25
	LIGHTENING 253	93/05 D		677	270	10
	PD-126R	92/03 S		296	137	4.6
	PD-135 (F111)	93/11 S		518	241	8.25
	PD-143-R	89/08 D		355	154	5.5
	PD-143R	91/05 S		363	150	4.75
	PD-150	86/05 D		375	139	5.6
		90/11 S		382	159	5.25
	PD-160-R	90/08 D		359	166	5.25
	PD-160R	92/03 S		372	171	5.50
		94/03 S		388	174	5.5
	PD-170	87/05 D		432	175	6.25
	PD-176-R	91/01 S		447	189	5.75
	PD-190	86/06 D		436	179	6.9

	92/06 S	195	566	6.5
	93/02 S	448	205	6.25
PD-193	88/11 D	414	191	6.25
PD-193-7 CRW	91/10 D	610	198	8.5
PD-193-CRW	92/02 D	582	203	8.5
	92/02 D	594	200	8.75
PD-193-R	90/12 D	470	201	6.75
PD-193R	92/10 S	471	200	6.50
PD-210	86/11 D	493	212	7.25
	93/10 D	583	222	8.25
	94/04 S	495	223	7.0
PD-218-R	89/10 D	519	230	7.0
PD-218-Z	90/02 D	616	226	8.75
PD-218R	92/03 S	475	232	6.75
PD-230	86/11 D	589	230	7.75
	91/08 S	536	244	7.25
	92/09 S	516	244	7.00
	93/08 D	600	244	8.50
PD-253	91/04 D	573	270	8.75

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MFG	MODEL	DOM	LINE	VOL	AREA	WGT
PERFORM DESIGNS	PD-253-R	90/10	D	597	265	8.75
	PD-253R		D	642	271	8.75
	PD-260	86/08	D	545	257	8.75
		86/11	D	627	260	9.0
		91/08	S	588	277	8.0
		92/09	S	570	277	8.00
		93/09	D	650	277	9.25
	PD-300	87/07	D	677	300	9.6
		92/03	D	703	317	10.0
	PD-340	89/07	D	880	333	11.0
	SABRE 107	91/02	S	287	113	4.5
		92/10	S	306	115	4.75
	SABRE 120	90/10	S	328	127	5.0
	SABRE 135	91/10	S	363	143	5.75
	SABRE 150	92/08	S	398	159	5.50
	SABRE 170	90/05	S	397	171	6.25
		91/10	S	445	174	6.25
		93/02	S	451	179	7.0
	SABRE 190	90/06	S	509	195	7.0
		91/08	S	500	199	7.25
		94/05	D	567	197	8.25
	SABRE 210	91/01	S	562	214	7.5
		92/09	S	527	218	7.50
	SABRE 230	91/01	S	592	239	8.0
	SABRE 97	92/03	S	279	103	4.0
		93/02	S	267	103	0
	STILETTO 107	94/04	S	306	N/A	4.50

	STILETTO 120		S	322		
	STILETTO 135	93/07	S	327	000	
PIONEER	K-20	81/04	D	321	20'	5.25
	R-22	84/12	D	376	22'	5.9
	K-26	84/12	D	426	26'	6.75
	MERLIN	81/03	D	475	206	7.6
PRECISION	FALCON 150	91/08	S	350	152	5.5
	FALCON 175	87/05	D	455	179	6.7
		90/11	D	422	179	6.25
	FALCON 195	87/05	D	508	198	7.25
		91/02	S	464	200	6.5
	FALCON 215	87/05	D	564	218	7.75
		91/04	D	465	NA	
	FALCON 235	90/10	D	566	240	8.5
		91/03	D	516	NA	
	FALCON 265	90/10	D	627	274	9.0
	INTERCEPTOR 200	91/05	D	524	214	8.25
	INTERCEPTOR 225	89/09	D	623	240	8.75
	INTERCEPTOR 250	90/03	D	683	276	9.75
	MONARCH 120	92/09	S	347	123	5.0
		94/08	S	359	124	5.5
	MONARCH 135	92/09	S	379	140	5.50
	MONARCH 155	91/08	S	395	163	6.0

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MFG	MODEL	DOM	LINE	VOL	AREA	WGT
PRECISION	MONARCH 155	92/01	S	420	160	6.25
	MONARCH 175	91/05	S	440	183	6.5
	MONARCH 195	94/07	S	492	201	7.50
	MR-120	92/07	S	268	114	4.00
		94/08	S	287	4.2	
	MR-135	92/09	S	308	134	4.50
	MR-150	89/08	D	375	148	5.75
		92/09	S	324	150	4.75
		93/10	S	327	150	5.0
		93/12	S	349	150	5.0
	POLARIS	85/06	D	465	223	NA
	RAVEN 1	84/11	D	361	169	6.25
		87/04	K	401	172	6.0
		87/05	D	391	172	6.0
	RAVEN 1-F	93/01	S	375	178	5.75
	RAVEN 2	85/05	D	400	199	7.0
		86/10	D	474	203	7.0
		87/04	D	457	203	7.0
		93/01	S	429	209	6.25
	RAVEN 2-F	93/02	S	419	213	6.25
	RAVEN 2/S	91/04	D	467	211	7.50
	RAVEN 2E	91/04	D	484		
	RAVEN 3	85/05	D	478	232	7.2

		86/10 D	512	242	7.25
		87/03 D	515	241	7.5
		93/01 S	484	248	7.25
	RAVEN 4	85/03 D	506	NA	NA
		86/12 D	570	266	8.0
STRONG	26' LOPO	86/05 D	487	26'	7.5
	26' LOPO LT	86/02 D	426	26'	6.25
	26' SEMI LT	86/05 D	443	26'	6.6
	HOBBIT-M	84/06 D	357	165	6.0
	HOBBIT-R	85/01 D	314	162	5.5
	MIGHTY MAK-M	87/01 D	788	360	11.4
	MIGHTY MAK-R	85/05 D	710	360	10.75
	SPIRIT	82/08 D	496	211	7.5
	WIZARD	87/01 D	634	278	9.0
SURPLUS	24' T-10A	64/04	661	24'	8.25
	26' NVY CON	76/02	573	26'	8.5
	28' C-9	78/06	815	28'	NA