

WREXHAM MAC NOISE TESTING RESULTS

[Tests carried out as per BMFA Guidelines]

19/10/2023

Model	Engine (size & make)	Silencer	Prop size (d)	Prop size (p)	Blades	Prop Make	Max RPM	Fuel	Max dBA	Tip Speed mph
2 Line Tiger	Super Tiger 40 (2S)	std	10	9	2	Master Airscrew	11730	0%	85	349
7 UP	SC15	std	8	6	2	Super	9300	10%	74	221
Accuity	AXI (electric F3A)	0	20	13	2	APC	?	NA	81.6	0
Acrowot	ASP90 FS	Std + baffle	14	6	2	APC	8200	15%	79.8	341
Adrenaline 90	ASP91 (4S)	std	13	9	2	APC	8550	10%	81	331
Amigo	Cox 049	NA	6	4	2	Master Airscrew	10000	5%	78	178
Army Grasshopper	Irvine 40 (2S)	std	11	6	2	TP	10500	10%	80.5	344
Auster	Magnum 91 (4S)	std	14	6	2	Master Airscrew	8220	0%	82	342
Avistar Elite	ASP52 (2S)	ASP std	11	7	2	APC	11430	5%	85.8	374
BAC Hawk	King tech turbine	0	NA	NA	2	0	?	Kero	89	0
Bullit	OS46 AX (2s)	std	?	?	2	?	10000	15%	79	0
Capish	West 52 (2s)	Muscle pipe	12	6	2	APC	9600	15%	81.4	343
Cessna Skylane 182	ASP 52	std	12	7	2	Master Airscrew	9900	0%	82.1	353
Chipmunk	OS91 FS (2S)	std + quiet pipe/tube	15	10	2	APC	7830	12%	82.6	349
Chipmunk	OS91 FS (2S)	std + quiet pipe/tube	15	11	2	APC	7350	12%	81.1	328
Chipmunk Air Sail	OS70 (4S)	std+quiet pipe+tube	13	7	2	Master Airscrew	8490	0%	83	328
Comp arf Extra 260	DA 150cc twin	Custom cans	32	10	2	Mejzlik (cf)	?	Petrol	98	0
Corsair F4U	Zenoa 20cc (2s)	std + pepper pot	16	8	2	Master Airscrew	8000	Petrol	82.3	381
Corwen Kite	Enya 35 (4s)	Enya	12.25	3.75	2	APC	9100	10%	76	332
Cougar 2000	ASP36 (2S)	ASP std	10	6	2	Master Airscrew	12200	5%	83	363
Cougar 2000	OS52FS	std	12.25	3.75	2	Master Airscrew	10900	10%	87	397
Cougar 2000	OS52FS	std	12	6	2	Master Airscrew	9200	10%	82	328
Cougar 2000	OS52FS	std	13	6	2	Master Airscrew	7950	10%	81.5	307
Cougar 2000	ASP 36	std	11	4	2	APC	11500	5%	82.1	376
D/F	Electric	na	0	0	2	0	0	0%	70	0
Decathlon	SC91 FS	SC std + extension	15	8	2	Master Airscrew	8100	10%	82	361
Dolphin Flyer	Electric	N/A	5	5	2	APC	23000	3S 2200	92	342
Dolphin Flyer	Electric	N/A	6	6	2	APC	11940	3S 2200	80	213
Dolphin Flyer	Electric	N/A	6	4	2	APC	18900	3S 2200	83.5	337
Easy 4 Glider (Elec)	Generic Electric	N/A	9	6	2	MPX Folding	7300	3S LiPo	60	195
ECS Discovery	Irvine 46 (2S)	std	11	5	2	APC	12610	5%	87.2	413
ECS Discovery	Irvine 46 (2S)	std	11	6	2	APC	10410	5%	81.2	341
Extra (Orange)	DLE 111cc twin	Custom cans	27	10	2	Mejzlik	6450	Petrol	97	518
Extra (yellow)	Zenoa 80cc twin	std	24	10	2	Biela	4650	Petrol	85.3	332
F35 Lightning 2	EDF	0	NA	NA	2	0	?	NA	75	0
FW190	MDS 38 10cc	dustbin twin pipe	10	6	2	Master Airscrew	9200	10%	82	274
Ganster 63 Lite	OS46 2S	std	10	7	2	APC	11360	10%	82.1	338
Ganster 63 Lite	OS46 2S	std	11	6	2	APC	11400	10%	82.1	373
Hanger 9 ME109	NGH 17cc petrol	std	19	8	2	Graupner	8500	Petrol	82	480
Irvine Tutor 40	Irvine 46 (2S)	std	11	7	2	APC	11640	10%	81	381
Limbo Dancer	OS40 FSR	std	11	7	2	0	9600	15%	80.1	314

Limbo Dancer	MDS 28	std	10.5	5	2	Bolly	9800	12%	78.5	306
Magnatilla	SC52FS (2S)	0	13	4	2	Master Airscrew	?	?	76	0
Magnatilla	Irvine 50	Custom	?	?	2	?	12200	20%	87	0
Magnatilla	Irvine 40 (2s)	Custom	11	6	2	APC	9760	20%	81	319
Maricado	Irvine53 (2S)	OS Silencer	11	7	2	Graupner	10000	0%	81	327
Max Thrust Trainer	Webra 40	std	11	8	2	APC	9330	5%	87	305
Max Thrust Trainer	Webra 40	std	12	6	2	Master Airscrew	9500	5%	89.4	339
Max Thrust Trainer	Webra 40	std + pipe	10	7	2	APC	9400	5%	81.8	280
Meteor (Elec)	Roxyy C28-34-850KV	N/A	2.8		12	Duct Fan	N/A	4S Lipo	79	0
od	Enya 40 (4S)	Enya	10	7	3	APC	7060	10%	75	210
Outlaw	OS15 (2S)	std	8	4	2	APC	12200	5%	77.2	290
P47	RCGF 15cc	std + pepper pot	14	7	2	Master Airscrew	7350	Petrol	85	306
P47	RCGF 15cc	std + pepper pot	16	8	2	Master Airscrew	6690	Petrol	82	318
P51	ASP 52	std	11	7	2	Bolly	11040	5%	86	361
P51	ASP 52	std	12	6	2	APC	9690	5%	84	346
P51D Mustang	Irvine 60	std	12	8	2	?	9020	15%	84	322
Piper Cub	OS 52 FS	std	12	5	2	APC	10300	20%	81.5	368
Piper Cub	OS95 FS	OS std	14	7	2	APC	9760	20%	78	406
Piper Cub	SC52 FS (4S)	std	11	7	2	APC	9650	5%	84	316
Piper Cub	SC52 FS (4S)	std	8	7	3	Graupner	8140	5%	80	194
Piper Cub	SC91 FS	std	13	6	2	Master Airscrew	8640	0%	81	334
Piper Pawnee	SC61 (2S)	SC std	12	6	2	Master Airscrew	9000	0%	79	321
Precedent Bi-Fly	Super Tiger 61 ABC	std	12	6	2	Master Airscrew	9030	5%	86.2	322
Precedent Bi-Fly	Super Tiger 61 ABC	std	13.5	8	2	Bolly	7300	5%	84.2	293
Pulse	90FS	std	14	7	2	Graupner	?	15%	81	0
QB20S	OS25 FSR	OS + deflector	9	6	2	Master Airscrew	11000	?	74.8	294
Raptor 50 (Heli)	Thunder Tiger 8cc	9" Heli Pipe	N/A	N/A	N/A	N/A	N/A	20%	82.5	N/A
Renegade	Irvine 46 (2s)	std	11	6	2	APC	11600	5%	80.5	380
Renegade	Irvine 46 (2s)	std	11	6	2	Master Airscrew	11600	5%	81.5	380
Renegade	Irvine 46 (2s)	std	11	8	2	APC	10200	5%	83.4	334
SBACH 342	MLD 35cc	TDK	19	10	2	Hawk	6800	Petrol	92	384
SE5	SC52 (4S)	std	12	6	2	APC	9600	15%	79.5	343
Slec Fun Fly	SC46	std	11	7	2	Master Airscrew	10000	0%	82	327
Speedair	irvine 40	std	11	7	2	APC	9860	15%	81	323
Sportsman 37T	Enya 25 PL (2S)	std+baffle+tube	9	7	3	Graupner	8500	5%	76	228
Sportsman 37T	Enya 25 PL (2S)	std+baffle+tube	9	6	2	APC	11450	5%	79	307
Sportsman 37T	Enya SS25 (2S)	std+tube	9	6	2	APC	8320	5%	85.3	223
Sportsman 37T	Enya SS25 (2S)	std+tube	10	6	4	APC	8850	5%	84.8	263
Sportsman 37T	Enya SS25 (2S)	std+baffle+tube	10	6	4	APC	9015	5%	77.7	268
Sportsman 37T	Enya SS25 (2S)	std+baffle+tube	9	6	2	APC	10170	5%	77.7	272
Sportsman 50-2	Enya 45 CX GP	std+baffle	12.5	6	2	APC	8900	5%	80	331
Sportsman 50-2	Enya 45 CX GP	pipe	13	6	2	APC	8650	0%	80.2	334
Sportsman 50-2R	Enya 53 4C	std+baffle	13	6	2	APC	9000	12%	82	348
Sportsman 50-2R	Enya 46 2 4S	std	12	7	2	APC	8370	12%	80.8	299
Sportsman 50-2R	Enya 46 2 4S	std	12	5	2	APC	8430	12%	79.1	301
Sportsman 50-2R	Enya SS 40 mk2	std + baffle	12	5	2	APC	9510	0%	80	339

