

Jetfan-130-PRO bench test with VDI - Inlet lip, no thrust tube 29st of January 2018																	
Motor		Battery		Parameter of fan									Choice of motor and fan type				Notes
Type of motor	Brand	Used battery	Cells (LIPO)	I [A]	U [V]	V/Cell	Power Input [KW]	Thrust (lbs)	Thrust (N)	Thrust (Kilo)	Technical ETA regarding FSA [%]	Thrust in Kilo per KW	Go	No Go	Type of fan	Temperature range of used motor	thoughts, proposals

NEW TEST	TFL-56104 KV550	TFL	GA 4400 65C 2P	14	128,0	54,5	3,89	6971	22,05	98	10,00	67,0	1,43	X		JF-130-PRO	Super cool	Maybe shorter Motor possible, reg. weight and costs
NEW TEST	TFL-56104 KV550	TFL	Hacker 5800 2P	15	128,2	56,2	3,75	7205	23,26	103	10,55	67,0	1,46	X		JF-130-PRO	Cool	New heat sink with longer ribs will be designed!
NEW TEST	TFL-56104 KV550	TFL	Hacker 5800 2P	16	140,3	59,0	3,69	8278	25,47	113	11,55	67,0	1,40		X	JF-130-PRO	not cool	

NEW TEST	TFL-56104 KV600	TFL	Hacker 5800 2P	12	140,0	45,2	3,77	6328	20,73	92	9,40	63,0	1,49	X		JF-130-PRO	Super cool	Better choose 650 KV
NEW TEST	TFL-56104 KV600	TFL	GA 4400 65C 2P	14	168,0	53,4	3,81	8971	27,78	124	12,60	68,0	1,40	X		JF-130-PRO	Super cool	Best Choice!
NEW TEST	TFL-56104 KV600	TFL	Hacker 5800 2P	15	180,3	55,2	3,68	9953	28,78	128	13,05	64,0	1,31	X		JF-130-PRO	Cool	New heat sink with longer ribs will be designed!
NEW TEST	TFL-56104 KV600	TFL	GA 4400 65C 2P	16	184,8	57,8	3,61	10681	30,87	137	14,00	67,0	1,31	X		JF-130-PRO	Cool	New heat sink with longer ribs will be designed!

2 P tested	TFL-56104 KV650	TFL	Hacker 5800 2P	12	144,3	45,3	3,78	6537	22,05	98	10,00	66,0	1,53	X		JF-130-PRO	Super cool	
2 P tested	TFL-56104 KV650	TFL	GA 4400 65C 2P	14	182,5	53,1	3,79	9681	28,67	128	13,00	66,0	1,34	X		JF-130-PRO	Super cool	

2 P tested	TFL-56104 KV700	TFL	Hacker 5800 2P	12	140,0	45,9	3,82	6420	21,17	94	9,60	63,0	1,50	X		JF-130-PRO	Super cool	
2 P tested	TFL-56104 KV700	TFL	GA 4400 65C 2P	14	203,5	51,9	3,71	10562	29,77	132	13,50	64,0	1,28	X		JF-130-PRO	Super cool	

	TFL-56104 KV750	TFL	Hacker 5800 2P	12	214,0	43,5	3,63	9309	26,46	118	12,00	61,0	1,29		X	JF-130-PRO	not cool	
	TFL-56104 KV750	TFL	GA 4400 65C 2P	14	220,0	53,0	3,79	11660	30,21	134	13,70	59,0	1,17		X	JF-130-PRO	Thermal NOT OK	

2 P tested	TFL-56104 KV790	TFL	Hacker 5800 2P	12	199,0	43,7	3,64	8696	26,46	118	12,00	65,0	1,38		X	JF-130-PRO	Thermal NOT OK	
2 P tested	TFL-56104 KV790	TFL	GA 4400 65C 2P	14	260,0	50,7	3,62	13172	33,30	148	15,10	61,0	1,15		X	JF-130-PRO	Thermal NOT OK	