

## ENGINES COMPARISON

Created by Khoi

Brand	Model	Weight	Wt w/ muff/ign	Props	Size	Note:
Saito	FA-100	20.9oz		14x8, 14x10		
Saito	FA-120S	28oz		15x8		
Saito	FA-150S	30oz		16x8, 18x6		
Saito	FA-180	31oz		16x8, 17x6		
YS	110FZ	26.6oz		16x8, 13x13		
YS	140 Sport	33 oz		18x8		
OS	120 pump	32.5 oz		16x6,17x6,18x6		
OS	91Surpass	24.2oz		14x7, 15x6		
OS	91FX	24.3oz		13x8,13x9		
OS	70Surpass	22.1oz		13x8, 14x7		
Roto	25	44.8oz		16x8-10		
Saito	65	20oz		12x6, 13x6		
Jett	90L	25.3 oz		11x9		
TT	46Pro	16 oz		10x8		
OS	46FX	17 oz				
Magnum	52XLS			10x7, 10x8		
Moki	180	41 oz		18x10		
Moki	210	45 oz		20x10		
Fuji	BT 32EI	57.9oz		18x8	6.2"Hx4.2"Wx6.7"L	
Fuji	BT 50EI	75 oz				
Zenoah	G62	82oz		20x8--22x10	6.75"Hx8.55"Wx7"L	Carb kit K22-HAD
3W	50i	70 oz		22x10		
ZDZ	50	54 oz		22x10, 22x8		
DA	50	50 oz		22x10,22x12	w/stand offs	update if <#3100
DA	85cc	4lbs 4oz	5lb 4oz=84oz		*0202, 1388, 1494	update if <#1653, Carb kit K13-WJ
DA	100cc					
DL	100cc	6# 6oz	w/ mufflers			
Revolution	50	50.9oz		22x8, 22x10	w/ mount	
BME	50	53 oz		22x8		
BME	102					Carb kit K10-SDC
Evolution	58GX	64.2oz		24x10 @6900		
ZDZ	60	63.3oz				
Zenoah	G20i	41.6oz		16x6,17x6,18x6		wt w/ muffler, mount, ignition
Zenoah	G26EI	52.3oz				wt w/ muffler and ignition
Zenoah	G38	71oz				wt w/ muffler, mount, ignition
Zenoah	G62	82oz				wt w/ muffler, mount, ignition
Zenoah	GT80	7.7 lbs				wt w/ muffler
Webra	120 pump	29.9oz		16x8-18x6	w/ muffler	
3W	80xi	5# 1oz				Carb kit RK-23-HS
3W	150cc	7.85 lbs		32x10, 30x12		
3w	106 QS	6# 12oz	w/ mufflers			

### Power Load

Plane Wt (lbs)	Engine Size	Prop Dia	Prop Pitch	RPM	Static Thrust (lbs)	TWR (lb/cid) Model:
20	2.1	20	8	7200	16.0	80% 9.52 TF GS P51
9.5	0.91	11	9	14000	10.6	112% Cermark F16
5.5	0.46	9	8	12000	5.4	98% Kangke F20
27	100	27	10	6500	33.0	122% QQ Yak
15	3.2	20	8	6950	15.5	103% CG Edge 540
22	85	24	10	7450	29.8	136% TOC yak
40	150	32	10	5900	42.0	105% 3w 330s

Hobbico is comprised of Great Planes Model Distributors, Great Planes Model Manufacturing, Tower Hobbies and United Model

Hobbico product brands include many popular R/C products such as:

DuraTrax, Hobbico, Top Flite, Great Planes, Aquacraft, FlyZone, MonoKote, SuperTigre, Coverite, Dynafite, HeliMax, US AirCore and Globee.

Hobbico is also the exclusive American distributor for Futaba, O.S. Engines, Carl Goldberg, Fuji-Imvac and UltraFly.

In addition, the company distributes products from over 350 manufacturers.

Miller RC: nancyandhap@aol.com 707-833-5905

Expert Class Parameters

Speed: 100-125

Wing Loading: 25-35 oz/sf

Power Load: 6-12 lbs/CID for 2c, 5.5-11 lbs/CID for 4c

TWR: >110%