

Hyperion Zs22 Series Motor Test Data

All data below was collected with previous generation LiPo, ESC, and Optical Tachometer. Tests with Hyperion G3 LiPo, Atlas ESC, and Emeter II Phase Tachometer will be posted by June 1 2009.

Appearance of a propeller/battery combination does not necessarily indicate that it is suitable for the motor or a particular model. See the Zs Datasheet for recommended max currents and wattage limits.

HP-ZS2205-34					
Prop Size	Cells	V	A	W	RPM
APC 5x5 S4	2S	7.48	3.1	23	10560
APC 6x4E	2S	7.46	3.9	29	10110
APC 6x5.5E	2S	7.45	4.6	34	9690
APC 7x4SF	2S	7.41	6	44	8970
APC 7x5SF	2S	7.39	6.7	49	8580
APC 8x3.8SF	2S	7.36	8.4	61	7695
APC 8x4.7SF	2S	7.34	9.3	68	7140
APC 9x3.8SF	2S	7.33	10.2	75	6675
APC 9x4.7SF	2S	7.33	10.1	74	6825
APC 9x6SF	2S	7.27	13.1	95	5310
APC 5x5 S4	3S	11.86	5.8	69	15330
APC 6x4E	3S	11.82	7.4	87	14490
APC 6x5.5E	3S	11.79	8.8	104	13710
APC 7x4SF	3S	11.72	11.5	135	11940
APC 7x5SF	3S	11.7	12.7	149	11370
APC 8x3.8SF	3S	11.65	14.7	172	9660

HP-ZS2205-38					
Prop Size	Cells	V	A	W	RPM
APC 5x5 S4	2S	7.98	2.7	21	10080
APC 6x4E	2S	7.98	3.2	25	9750
APC 6x5.5E	2S	7.94	4	32	9240
APC 7x4SF	2S	7.93	5	40	8580
APC 7x5SF	2S	7.91	5.7	45	8160
APC 8x3.8SF	2S	7.87	7	55	7350
APC 8x4.7SF	2S	7.86	7.8	61	6825
APC 9x3.8SF	2S	7.84	8.6	67	6360
APC 9x4.7SF	2S	7.84	8.2	65	6210
APC 10x4.7SF	2S	7.79	10.5	82	5115
APC 5x5 S4	3S	11.99	4.6	55	14160
APC 6x4E	3S	11.96	5.8	69	13380
APC 6x5.5E	3S	11.94	6.9	83	12630
APC 7x4SF	3S	11.89	8.9	106	11160
APC 7x5SF	3S	11.86	9.8	116	10440
APC 8x3.8SF	3S	11.82	11.6	138	9030

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HP-ZS2209-24					
Prop Size	Cells	V	A	W	RPM
APC 8×3.8SF	2S	7.89	6.9	54	7785
APC 8×4.7SF	2S	7.87	8.1	64	7425
APC 9×3.8SF	2S	7.86	9.2	72	7080
APC 9×4.7SF	2S	7.86	8.8	69	7140
APC 10×4.7SF	2S	7.79	12.5	97	6030
APC 11×3.8SF	2S	7.79	12.7	99	5850
APC 11×4.7SF	2S	7.75	14.3	111	5355
APC 12×6SF	2S	7.7	17.3	134	4170
APC 6×4E	3S	12.01	5	60	13050
APC 6×5.5E	3S	11.98	6.2	74	12660
APC 7×5E	3S	11.91	9.4	112	11610
APC 7×4SF	3S	11.93	8.8	105	11790
APC 7×5SF	3S	11.89	10.1	120	11400
APC 8×3.8SF	3S	11.82	12.9	153	10260
APC 8×4.7SF	3S	11.79	14.1	167	9750
APC 9×3.8SF	3S	11.75	15.8	186	8985
APC 9×4.7SF	3S	11.77	14.7	173	9600
APC 10×4.7SF	3S	11.67	19.1	223	7275

HP-ZS2209-30					
Prop Size	Cells	V	A	W	RPM
APC 7×5E	2S	7.98	3	24	7065
APC 7×4SF	2S	7.98	2.6	21	7230
APC 7×5SF	2S	7.98	3.1	24	7050
APC 8×3.8SF	2S	7.94	4.2	33	6720
APC 8×4.7SF	2S	7.93	5	39	6450
APC 9×3.8SF	2S	7.89	5.7	45	6210
APC 9×4.7SF	2S	7.91	5.7	45	6240
APC 10×4.7SF	2S	7.84	8.3	65	5430
APC 11×3.8SF	2S	7.84	8.5	66	5340
APC 11×4.7SF	2S	7.82	9.9	77	4965
APC 12×6SF	2S	7.75	12.9	100	4005
APC 7×5E	3S	11.96	5.7	68	9960
APC 7×4SF	3S	11.98	5.2	63	10140
APC 7×5SF	3S	11.94	6	72	9840
APC 8×3.8SF	3S	11.89	8.1	97	9120
APC 8×4.7SF	3S	11.86	9.2	109	8730
APC 9×3.8SF	3S	11.82	10.7	126	8220
APC 9×4.7SF	3S	11.84	9.8	116	8520
APC 10×4.7SF	3S	11.74	14	164	6930
APC 11×3.8SF	3S	11.72	14.5	170	6735

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HP-ZS2213-18					
Prop Size	Cell	V	A	W	RPM
APC 8x6E	2S	7.84	9.2	72	7395
APC 9x4.5E	2S	7.84	8.6	68	7500
APC 9x6E	2S	7.81	10.5	82	7140
APC 10x5E	2S	7.79	11.3	88	6960
APC 11x5.5E	2S	7.74	14.2	110	6405
APC 12x6E	2S	7.67	17.2	132	5775
APC 8x4.7SF	2S	7.82	8.1	64	7575
APC 9x3.8SF	2S	7.79	9.7	75	7260
APC 9x4.7SF	2S	7.81	9	70	7365
APC 10x4.7SF	2S	7.72	13.9	107	6465
APC 11x4.7SF	2S	7.67	16.8	128	5925
APC 12x6SF	2S	7.58	22.8	173	4815
APC 7x5E	3S	11.89	9.6	115	11640
APC 8x4E	3S	11.84	11.7	139	11130
APC 8x6E	3S	11.7	17.3	203	9900
APC 9x4.5E	3S	11.72	16.2	190	10140
APC 9x6E	3S	11.65	19	222	9510
APC 9x7.5E	3S	11.02	21.1	233	8175
APC 10x5E	3S	11.63	20.3	236	9270
APC 11x5.5E	3S	11.53	24.6	283	8265
APC 7x4SF	3S	11.84	8.7	103	11790
APC 7x5SF	3S	11.81	10.1	119	11490
APC 8x3.8SF	3S	11.74	13.7	161	10680
APC 8x4.7SF	3S	11.7	15	176	10350
APC 9x3.8SF	3S	11.63	18.1	211	9690
APC 9x4.7SF	3S	11.67	15.6	182	10200
APC 10x4.7SF	3S	11.51	24.1	277	8400

HP-ZS2213-22					
Prop Size	Cell	V	A	W	RPM
APC 10x5E	2S	7.91	7	55	5985
APC 11x5.5E	2S	7.86	8.7	69	5565
APC 12x6E	2S	7.82	10.7	84	5070
APC 13x6.5E	2S	7.79	12.2	95	4665
APC 14x7E	2S	7.75	13.8	107	4290
APC 10x4.7SF	2S	7.89	8.5	67	5670
APC 11x4.7SF	2S	7.84	10.4	81	5190
APC 12x6SF	2S	7.79	14.1	110	4320
APC 8x6E	3S	11.91	10.8	129	8595
APC 9x4.5E	3S	11.91	9.8	116	8775
APC 9x6E	3S	11.86	11.7	139	8280
APC 10x5E	3S	11.84	12.6	149	8055
APC 11x5.5E	3S	11.77	15.2	179	7290
APC 12x6E	3S	11.72	17.7	208	6450
APC 13x6.5E	3S	11.67	19.4	227	5805
APC 8x4.7SF	3S	11.93	9.2	110	8940
APC 9x3.8SF	3S	11.89	10.8	129	8535
APC 9x4.7SF	3S	11.91	9.8	116	8790
APC 10x4.7SF	3S	11.81	15.2	180	7455
APC 11x4.7SF	3S	11.74	17.7	208	6735
APC 12x6SF	3S	11.65	22.9	267	5325