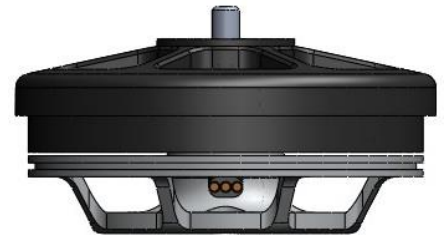
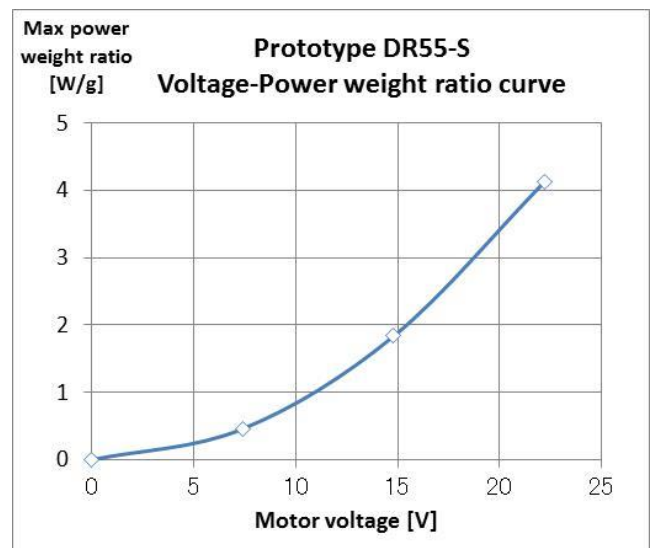
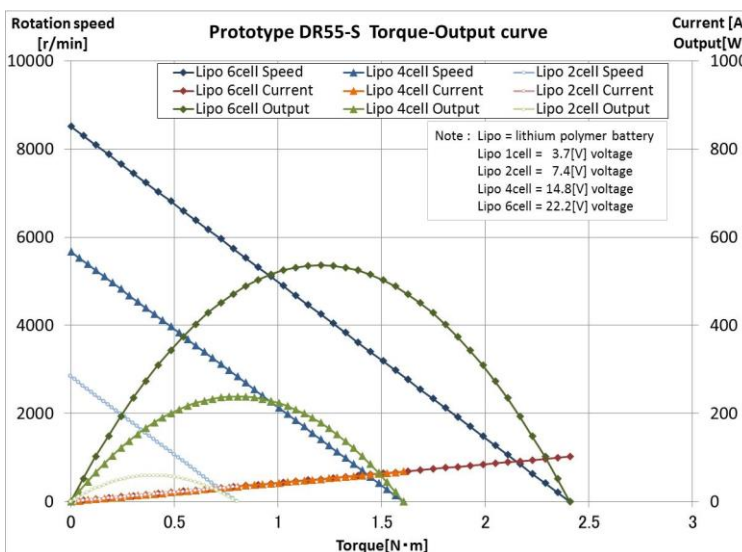


Drone motor solutions – DR-55 S Series



DR55-S Specifications:	
Framework	12N14P
KV*	340, 420, 500
Length (without shaft)	28 mm
Diameter	61 mm
Weight	135 g
Mounting Screws (Top)	4xM3 PCD12
Mounting Screws (Bottom)	4xM3 PCD25 4xM3 PCD30



Model No.	Volts V	Prop.	Rotation Duty %	Current A	Input Power W	Thrust g	Rotation Speed r/min	Efficiency g/W	Torque N·m	Power Loss W
DR55-S KV340 (DR-55314-004)	24	Diameter 13 inch	50	1.8	43	340	3919	7.97	0.070	14
			55	2.1	51	430	4274	8.38	0.083	14
			60	2.5	61	520	4602	8.54	0.097	14
		Pitch 4.4 inch	65	3.1	75	640	5005	8.55	0.114	15
			75	4.2	101	840	5614	8.30	0.144	17
			85	5.7	136	1070	6241	7.86	0.178	20
		Diameter 14 inch	99	8.1	195	1400	7044	7.19	0.226	28
			50	2.3	55	500	3881	9.02	0.101	14
			55	2.7	66	600	4176	9.10	0.117	15
		Pitch 4.8 inch	60	3.3	80	720	4504	9.02	0.136	16
			65	4.0	96	850	4834	8.83	0.156	17
			75	5.7	137	1130	5478	8.26	0.201	22
		Diameter 15 inch	85	7.6	183	1400	6035	7.67	0.244	29
			99	10.7	258	1780	6741	6.90	0.304	43
			50	2.9	69	650	3813	9.45	0.134	15
		Pitch 5 inch	55	3.5	84	780	4116	9.31	0.156	17
			60	4.3	103	930	4441	9.04	0.181	19
			65	5.0	120	1050	4684	8.78	0.202	21
		Diameter 16 inch	75	6.9	167	1350	5244	8.10	0.253	28
			85	9.2	222	1650	5749	7.44	0.304	39
			99	13.2	316	2080	6405	6.59	0.377	63
		Pitch 5.4 inch	50	3.5	84	820	3673	9.76	0.173	17
			55	4.4	106	1000	4004	9.39	0.206	20
			60	5.3	127	1150	4261	9.04	0.233	23
Diameter 16 inch	65	6.4	153	1320	4534	8.63	0.264	28		
	75	8.8	210	1650	5022	7.85	0.324	40		
	85	11.7	282	2000	5492	7.09	0.387	59		
Pitch 5.4 inch	99	16.0	384	2420	6008	6.30	0.464	93		

Model No.	Volts V	Prop.	Rotation Duty %	Current A	Input Power W	Thrust g	Rotation Speed r/min	Efficiency g/W	Torque N·m	Power Loss W
DR55-S KV420 (DR-55314-005)	24	Diameter 13 inch	50	2.9	70	550	4706	7.87	0.101	20
			55	3.7	88	700	5195	7.97	0.123	21
			60	4.3	104	820	5556	7.90	0.141	22
		Pitch 4.4 inch	65	5.1	122	950	5922	7.76	0.160	23
			75	7.2	172	1250	6691	7.28	0.204	29
			85	9.4	225	1530	7337	6.79	0.245	37
		Diameter 14 inch	99	13.3	320	1950	8210	6.09	0.307	56
			50	3.9	93	780	4659	8.41	0.145	22
			55	4.6	111	920	5003	8.27	0.167	23
		Pitch 4.8 inch	60	5.6	134	1080	5369	8.04	0.193	26
			65	6.7	162	1250	5732	7.74	0.220	30
			75	9.2	222	1580	6379	7.12	0.272	40
		Diameter 15 inch	85	12.1	290	1900	6949	6.55	0.323	55
			99	16.8	404	2350	7678	5.82	0.395	86
			50	4.6	111	950	4482	8.56	0.185	24
		Pitch 5 inch	55	5.8	140	1150	4878	8.23	0.219	28
			60	6.8	164	1300	5155	7.95	0.244	32
			65	8.3	199	1500	5503	7.55	0.278	38
		Diameter 16 inch	75	11.2	269	1850	6063	6.88	0.338	54
			85	14.6	351	2200	6576	6.26	0.397	78
			99	20.3	487	2680	7220	5.50	0.479	125
		Pitch 5.4 inch	50	5.8	140	1200	4343	8.57	0.242	30
			55	7.1	172	1400	4657	8.16	0.279	36
			60	8.6	207	1600	4951	7.75	0.315	43
Diameter 16 inch	65	10.2	245	1800	5229	7.33	0.351	53		
	75	14.0	335	2200	5744	6.56	0.424	80		
	85	17.8	428	2550	6159	5.95	0.487	114		
Pitch 5.4 inch	99	24.1	578	3020	6676	5.22	0.572	178		

Model No.	Volts V	Prop.	Rotation Duty %	Current A	Input Power W	Thrust g	Rotation Speed r/min	Efficiency g/W	Torque N·m	Power Loss W		
DR55-S KV500 (DR-55314-006)	24	Diameter 13 inch	50	4.4	105	820	5556	7.79	0.141	23		
			55	5.5	133	1000	6057	7.54	0.167	26		
			60	6.6	158	1150	6445	7.30	0.189	30		
		Pitch 4.4 inch	65	7.9	189	1320	6858	7.00	0.214	35		
			75	11.1	268	1700	7702	6.35	0.271	49		
			85	14.9	358	2070	8443	5.78	0.325	71		
		Diameter 14 inch	99	21.1	506	2580	9368	5.10	0.400	113		
			50	5.8	140	1100	5413	7.86	0.196	29		
			55	7.2	173	1300	5835	7.49	0.228	34		
		Pitch 4.8 inch	60	8.8	211	1500	6228	7.12	0.260	41		
			65	10.5	251	1700	6598	6.76	0.291	50		
			75	14.4	345	2100	7282	6.10	0.355	74		
		Pitch 5 inch	85	18.9	454	2500	7907	5.51	0.418	108		
			99	26.4	634	3050	8693	4.81	0.506	174		
			50	7.1	170	1320	5191	7.76	0.247	36		
		Diameter 15 inch	55	8.8	212	1550	5586	7.31	0.287	44		
			60	10.8	259	1780	5955	6.88	0.326	56		
			65	12.8	308	2000	6288	6.49	0.363	69		
		Pitch 5 inch	75	17.7	425	2450	6919	5.76	0.440	106		
			85	22.8	548	2850	7435	5.20	0.508	153		
			99	31.3	751	3400	8091	4.53	0.601	242		
		Diameter 16 inch	50	8.8	210	1600	4951	7.61	0.315	47		
			55	10.8	260	1850	5296	7.11	0.360	60		
			60	13.2	316	2100	5619	6.64	0.406	77		
		Pitch 5.4 inch	65	15.8	378	2350	5925	6.21	0.451	99		
			75	21.2	509	2800	6440	5.51	0.533	149		
			85	26.9	646	3200	6864	4.95	0.605	211		
					99	36.5	875	3750	7409	4.28	0.705	328