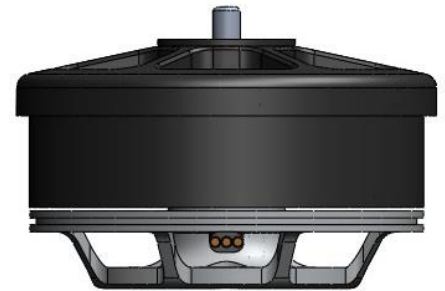
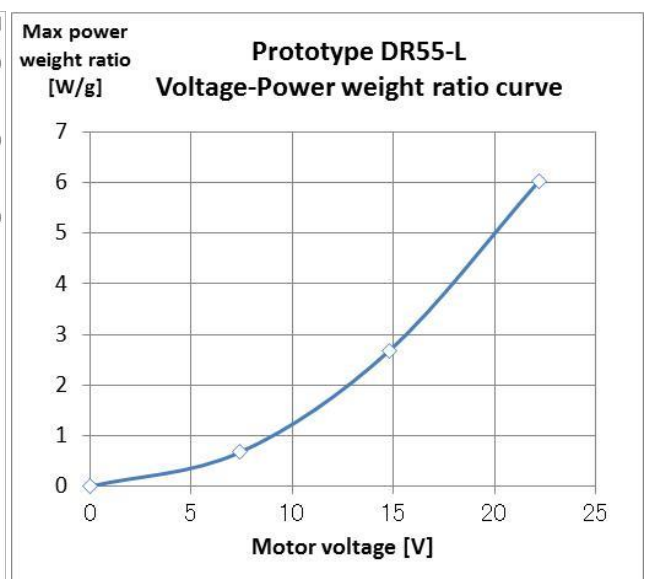
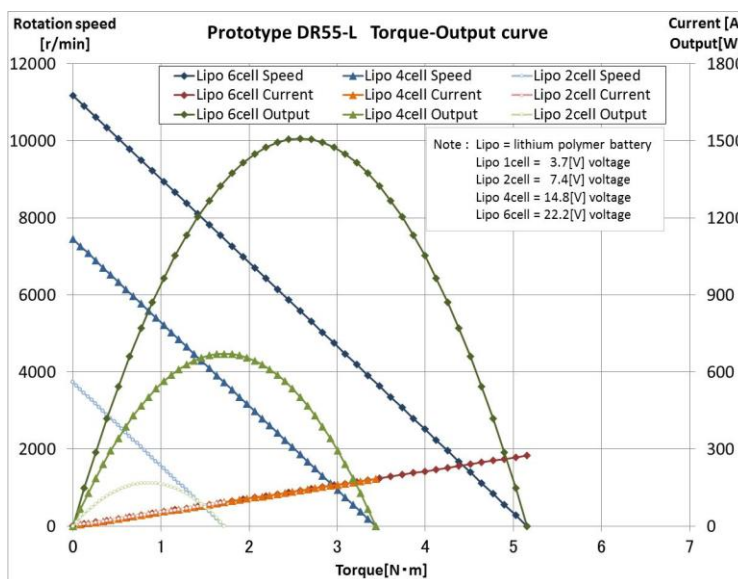


Drone motor solutions – DR-55 L Series



DR55-L Specifications:	
Framework	12N14P
KV*	420, 500
Length (without shaft)	36 mm
Diameter	61 mm
Weight	252 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-L KV420 (DR-55314-007)	24	Diameter 15 inch	50	6.3	152	1000	4811	6.57	0.213	45	
			55	7.5	180	1200	5182	6.68	0.247	46	
			60	9.1	217	1450	5611	6.67	0.289	47	
		Pitch 5 inch	65	10.8	259	1700	6009	6.57	0.332	50	
			75	15.1	362	2250	6804	6.21	0.425	59	
			85	20.1	483	2800	7515	5.80	0.519	75	
		Diameter 16 inch	99	28.7	689	3600	8444	5.22	0.655	110	
			50	7.7	185	1300	4680	7.03	0.281	47	
			55	9.6	229	1600	5113	6.97	0.336	50	
		Pitch 5.4 inch	60	11.6	279	1900	5511	6.81	0.390	54	
			65	13.9	333	2200	5883	6.60	0.445	60	
			75	19.0	457	2800	6564	6.13	0.553	77	
		Diameter 17 inch	85	25.0	601	3400	7181	5.66	0.662	103	
			99	35.6	855	4300	8018	5.03	0.826	162	
			50	9.4	226	1650	4565	7.30	0.366	51	
		Pitch 5.8 inch	55	11.8	282	2000	4967	7.09	0.434	57	
			60	14.4	345	2350	5340	6.82	0.501	64	
			65	17.2	414	2700	5688	6.53	0.569	75	
		Diameter 18 inch	75	23.3	559	3350	6283	5.99	0.694	103	
			85	31.0	743	4050	6867	5.45	0.829	147	
			99	43.4	1041	5000	7588	4.81	1.012	236	
		Pitch 6.1 inch	50	11.3	271	2000	4446	7.37	0.459	58	
			55	14.2	340	2400	4825	7.05	0.541	67	
			60	17.4	418	2800	5176	6.70	0.623	80	
			65	20.5	492	3150	5465	6.40	0.694	95	
			75	28.2	676	3900	6038	5.77	0.847	140	
			85	36.5	877	4600	6527	5.24	0.990	200	
		99	50.1	1203	5550	7138	4.61	1.184	318		

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-L KV500 (DR-55314-008)	24	Diameter 15 inch	50	9.6	231	1400	5528	6.07	0.281	68	
			55	11.4	275	1650	5932	6.01	0.323	74	
			60	13.9	332	1950	6383	5.86	0.374	82	
		Pitch 5 inch	65	16.5	396	2250	6804	5.68	0.425	93	
			75	22.6	542	2850	7577	5.25	0.527	124	
			85	29.7	714	3450	8278	4.83	0.629	168	
		Diameter 16 inch	99	41.0	984	4250	9129	4.32	0.765	252	
			50	11.6	279	1750	5316	6.28	0.363	77	
			55	14.4	345	2100	5762	6.08	0.426	88	
		Pitch 5.4 inch	60	17.5	420	2450	6176	5.83	0.490	103	
			65	20.4	490	2750	6510	5.61	0.544	119	
			75	28.3	678	3450	7230	5.09	0.671	170	
		Diameter 17 inch	85	36.2	869	4050	7794	4.66	0.780	232	
			99	49.5	1189	4900	8530	4.12	0.934	355	
			50	14.5	349	2200	5183	6.30	0.472	93	
		Pitch 5.8 inch	55	17.6	422	2550	5541	6.04	0.540	109	
			60	21.0	503	2900	5878	5.76	0.607	130	
			65	25.3	607	3300	6240	5.44	0.684	159	
		Diameter 18 inch	75	33.3	799	3950	6787	4.94	0.810	224	
			85	42.7	1026	4600	7293	4.48	0.935	312	
			99	58.6	1405	5500	7941	3.91	1.108	484	
		Pitch 6.1 inch	50	17.0	407	2550	4959	6.26	0.572	110	
			55	20.7	498	2950	5302	5.93	0.653	135	
			60	24.4	586	3300	5584	5.63	0.725	162	
			65	29.7	712	3750	5928	5.26	0.816	206	
			75	39.3	942	4450	6425	4.72	0.959	297	
			85	49.8	1195	5100	6855	4.27	1.092	412	
		99	66.5	1597	5950	7380	3.73	1.266	619		