

POWER EACH FRAME

COMING FOR CINEMATIC

INQ. 55
TO THE FREEDOM KV1155

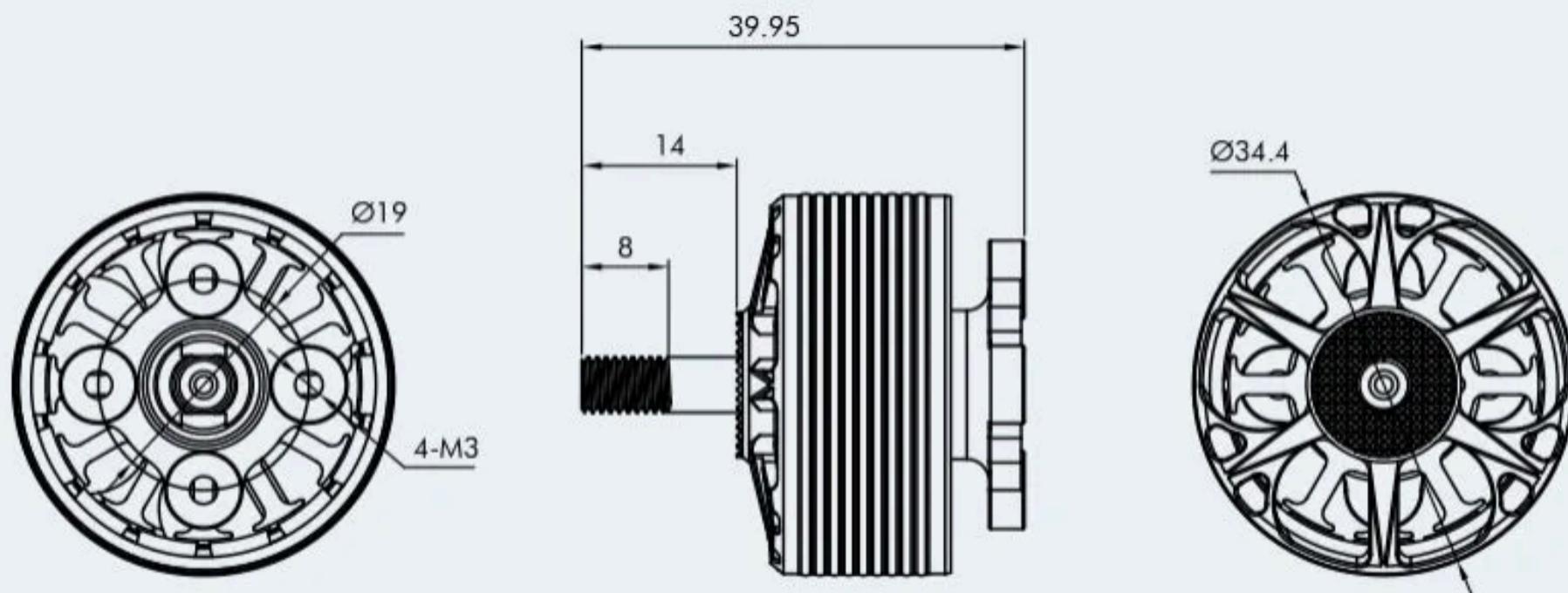
New CINE series come with cinematic output, specially for high-quality & safer cinematic propulsion. T-motor Cine66, specially provides strong power for 8-9' X8 cinematic build.





Specification

Product Drawing



Specifications

Test Item	KV925	Weight (Incl. Cable)	76.4g
Motor Dimensions	Ø34.4*39.95mm	Internal Resistance	69mΩ
Lead	18#AWG 250mm	Configuration	12N14P
Shaft Diameter	4mm	Rated Voltage(Lipo)	5-6S
Idle Current(10V)	1.05A	Peak Current(60s)	50.5A
Max. Power(60s)	1237W		

Test Item	KV1155	Weight (Incl. Cable)	76.7g
Motor Dimensions	Ø34.4*39.95mm	Internal Resistance	47mΩ
Lead	18#AWG 250mm	Configuration	12N14P
Shaft Diameter	4mm	Rated Voltage(Lipo)	4-6S
Idle Current(10V)	1.41A	Peak Current(60s)	54.5A
Max. Power(60s)	1320W		

Test Report

Type	Propeller	Throttle	Thrust (g)	Voltage (V)	Current (A)	RPM	Power (W)	Efficiency (g/W)	Operating Temperature (°C)
		30%	417.23	25.22	3.10	7897	78.22	5.33	
		35%	511.31	25.21	4.00	8657	100.84	5.07	

Performance Metrics for Cine66 KV925							
Series		Performance (%)		Efficiency (W)		Power (W)	
HQ8040-3	30%	511.31	25.21	1.00	8837	100.01	3.07
	40%	603.20	25.20	4.94	9377	124.50	4.84
	45%	695.81	25.19	5.90	9986	148.62	4.68
	50%	790.22	25.18	6.86	10550	172.83	4.57
	55%	886.06	25.17	7.83	11125	197.01	4.50
	60%	998.05	25.16	9.26	11754	232.85	4.29
	65%	1149.32	25.14	10.78	12561	270.95	4.24
	70%	1325.18	25.11	13.07	13399	328.31	4.04
	75%	1508.82	25.08	15.75	14161	394.95	3.82
	80%	1680.88	25.05	18.42	14946	461.31	3.64
HQ8045-3	85%	1882.06	25.01	21.66	15672	541.86	3.47
	90%	2069.79	24.97	25.03	16377	624.86	3.31
	95%	2257.18	24.93	28.40	17038	707.88	3.19
	100%	2450.57	24.88	32.20	17668	801.00	3.06
	30%	448.00	24.88	3.35	6710	83.36	5.37
	35%	553.03	24.84	4.41	7358	109.51	5.05
	40%	644.81	24.81	5.51	8018	136.70	4.72
	45%	759.14	24.79	6.90	8624	171.10	4.44
	50%	877.64	24.78	8.33	9257	206.29	4.25
	55%	1028.87	24.74	10.49	9991	259.39	3.97
Cine66 KV925	60%	1181.85	24.71	12.59	10742	311.27	3.80
	65%	1367.04	24.66	15.35	11482	378.41	3.61
	70%	1557.16	24.61	17.92	12093	441.00	3.53
	75%	1764.48	24.57	21.91	12827	538.25	3.28
	80%	1933.19	24.52	25.59	13381	627.37	3.08
	85%	2101.12	24.47	29.43	13981	720.03	2.92
	90%	2254.47	24.42	33.75	14545	824.16	2.74
	95%	2468.76	24.37	38.48	15056	937.66	2.63
	100%	2630.75	24.32	43.27	15545	1052.24	2.50
	30%	469.84	24.94	3.02	7959	75.38	6.23
HQ9030-2	35%	569.28	24.92	3.89	8719	96.99	5.87
	40%	656.76	24.90	4.83	9448	120.22	5.46
	45%	762.33	24.88	5.79	9994	144.19	5.29
	50%	850.84	24.87	6.72	10547	167.00	5.09
	55%	934.44	24.85	7.72	11103	191.91	4.87
	60%	1035.87	24.83	8.91	11668	221.27	4.68
	65%	1183.59	24.80	10.51	12445	260.57	4.54
	70%	1353.33	24.77	12.56	13199	311.08	4.35
	75%	1565.39	24.73	15.41	14001	381.13	4.11
	80%	1777.45	24.69	18.26	14853	451.44	3.91

Type	Propeller	Throttle	Thrust (g)	Voltage (V)	Current (A)	RPM	Power (W)	Efficiency (g/W)	Operating Temperature (°C)
HQ9050-3	HQ9050-3	80%	1716.22	24.70	17.79	14765	439.44	3.91	90 (Ambient Temperature:26°C)
		85%	1899.64	24.65	20.83	15508	513.41	3.70	
		90%	2133.83	24.60	24.56	16168	604.06	3.53	
		95%	2331.31	24.55	28.09	16800	689.54	3.38	
		100%	2517.24	24.49	31.81	17447	779.23	3.23	
		30%	383.75	21.01	2.95	5254	62.01	6.19	
		35%	475.90	21.00	3.90	5826	81.95	5.81	
		40%	576.37	20.99	4.89	6327	102.59	5.62	
		45%	704.63	20.97	6.16	6854	129.11	5.46	
		50%	861.26	20.95	7.86	7493	164.61	5.23	
		55%	1028.99	20.92	10.00	8127	209.22	4.92	
		60%	1203.31	20.89	12.69	8729	264.95	4.54	
		65%	1342.58	20.79	15.83	9290	329.02	4.08	
		70%	1524.84	20.77	18.62	9775	386.67	3.94	
		75%	1709.71	20.68	21.89	10237	452.78	3.78	
		80%	1872.27	20.65	25.41	10770	524.63	3.57	
		85%	2051.46	20.59	28.91	11269	595.24	3.45	
		90%	2202.58	20.52	33.26	11650	682.54	3.23	
		95%	2343.25	20.47	37.23	11984	762.15	3.07	
		100%	2515.04	20.43	41.95	12336	856.95	2.93	
HQ9050-3	HQ9050-3	30%	515.97	25.20	3.72	6003	93.65	5.51	94 (Ambient Temperature:26°C)
		35%	634.38	25.19	4.57	6592	115.14	5.51	
		40%	795.97	25.17	6.32	7307	159.10	5.00	
		45%	983.14	25.14	8.31	8003	209.01	4.70	
		50%	1189.45	25.10	10.68	8735	268.07	4.44	
		55%	1372.68	25.05	14.63	9339	366.63	3.74	
		60%	1561.56	25.01	17.41	9875	435.58	3.59	
		65%	1768.67	24.98	20.34	10551	508.15	3.48	
		70%	1981.59	24.92	24.34	11175	606.63	3.27	
		75%	2148.86	24.85	28.11	11572	698.61	3.08	
		80%	2384.92	24.78	32.89	12058	814.88	2.93	
		85%	2570.49	24.75	37.26	12461	922.26	2.79	
		90%	2710.72	24.71	41.75	12811	1031.62	2.63	
		95%	2837.84	24.63	46.33	13086	1141.08	2.49	
		100%	2922.81	24.52	50.47	13296	1237.46	2.36	

Note: Motor temperature is motor surface temperature @100% throttle running 1mins.

(Data above based on benchtest are for reference only. Comparison with that of other motor types is not recommended.)

Performance Metrics for Cine66								
Model	Series	Input Power (W)		Output Power (W)		Efficiency (%)		
		Voltage (V)	Current (A)	Voltage (V)	Current (A)	Voltage (V)	Current (A)	
Cine66 KV1155	HQ8040-3	30%	599.95	25.20	5.30	9329	133.61	4.49
		35%	731.77	25.18	6.82	10171	171.73	4.26
		40%	867.03	25.16	8.43	10962	212.00	4.09
		45%	1001.88	25.14	10.05	11751	252.54	3.97
		50%	1148.81	25.11	11.87	12455	298.16	3.85
		55%	1283.84	25.10	13.53	13186	339.56	3.78
		60%	1467.07	25.06	16.28	14057	408.02	3.60
		65%	1687.33	25.02	19.59	14934	490.03	3.44
		70%	1945.06	24.96	23.98	15929	598.46	3.25
		75%	2186.48	24.89	29.15	16759	725.46	3.01
		80%	2398.40	24.73	33.85	17394	837.29	2.86
		85%	2590.89	24.66	38.40	18082	946.87	2.74
		90%	2815.77	24.64	43.60	18654	1074.31	2.62
		95%	3018.02	24.58	49.16	19373	1208.38	2.50
		100%	3149.20	24.13	54.00	19679	1303.27	2.42
Cine66 KV1155	HQ8045-3	30%	588.76	24.89	5.32	8624	132.32	4.45
		35%	721.96	24.86	7.06	9257	175.64	4.11
		40%	862.06	24.83	8.99	9991	223.14	3.86
		45%	1024.38	24.79	11.69	10742	289.74	3.54
		50%	1202.69	24.75	14.60	11482	361.46	3.33
		55%	1430.39	24.70	17.37	12093	429.10	3.33
		60%	1604.02	24.65	20.98	12827	517.16	3.10
		65%	1841.24	24.59	25.52	13381	627.32	2.94
		70%	2096.01	24.51	31.34	13981	768.08	2.73
		75%	2310.17	24.43	36.80	14545	898.87	2.57
		80%	2464.93	24.35	41.97	15056	1022.21	2.41
		85%	2637.95	24.27	48.04	15545	1166.20	2.26
		90%	2785.35	24.20	54.15	16028	1310.77	2.12
		95%	2924.46	24.12	60.02	16518	1447.76	2.02
		100%	3070.75	24.04	66.49	16978	1598.33	1.92
Cine66 KV1155	HQ9030-2	30%	622.69	24.90	4.81	9448	119.69	5.20
		35%	755.55	24.88	6.27	9994	155.99	4.84
		40%	884.36	24.85	7.77	10547	193.22	4.58
		45%	1016.35	24.82	9.37	11103	232.69	4.37
		50%	1169.97	24.80	11.19	11668	277.39	4.22
		55%	1309.11	24.78	12.78	12445	316.66	4.13
		60%	1496.40	24.74	15.38	13199	380.55	3.93
		65%	1735.96	24.69	18.90	14001	466.61	3.72
		70%	1981.92	24.63	23.06	14765	568.00	3.49

	75%	2207.15	24.57	27.95	15508	686.66	3.21	
	80%	2420.52	24.50	32.84	16168	804.68	3.01	
	85%	2639.98	24.44	37.40	16800	914.34	2.89	
	90%	2866.19	24.38	42.57	17447	1037.70	2.76	
	95%	3094.18	24.30	48.11	18121	1169.12	2.65	
	100%	3299.21	24.21	54.52	18801	1319.95	2.50	
HQ9050-3	30%	371.55	16.78	3.88	5257	65.09	5.71	
	35%	463.21	16.72	5.07	5797	84.73	5.47	
	40%	559.96	16.70	6.45	6302	107.78	5.20	
	45%	675.05	16.68	8.14	6826	135.73	4.97	
	50%	809.62	16.66	9.72	7358	161.92	5.00	
	55%	961.80	16.60	12.23	7975	203.00	4.74	
	60%	1121.32	16.52	15.60	8540	257.59	4.35	
	65%	1273.17	16.51	19.26	9083	317.94	4.00	
	70%	1437.54	16.48	22.72	9589	374.29	3.84	
	75%	1606.53	16.44	26.79	10078	440.53	3.65	
	80%	1759.00	16.38	30.74	10532	503.51	3.49	
	85%	1929.32	16.31	35.25	10996	574.84	3.36	
	90%	2086.99	16.25	40.48	11369	657.78	3.17	
	95%	2223.07	16.19	45.19	11698	731.54	3.04	
	100%	2353.42	16.13	50.41	12003	813.22	2.89	

Note: Motor temperature is motor surface temperature @100% throttle running 1mins.

(Data above based on benchtest are for reference only. Comparison with that of other motor types is not recommended.)

Contents



Motor x 1



Parts Bag x 1