

Maytech **Waterproof** Inner-runner Motor MTI65162 +Inverter + Calibration Card Specification

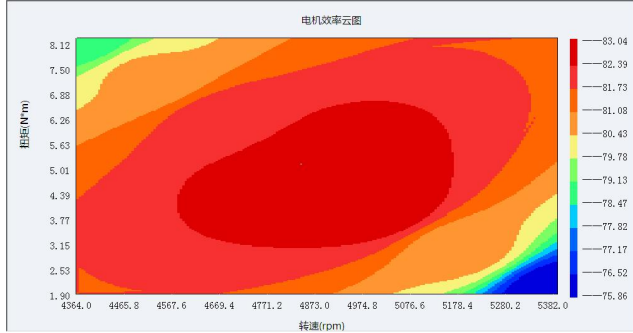
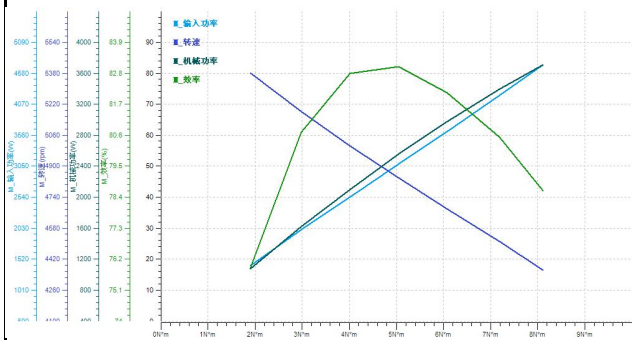
型号 (model P/N)	MTI651 62-315	MTI651 62-260	MTI651 62-225	MTI651 62-195	MTI651 62-100
线圈圈数 (Turn)	2.5T	3T	3.5T	4T	5.5T
工作电压范围 (Voltage range)	8-125 (29.6- 50.4V)	10-145 (37- 67.8V)	10-165 (37- 67.2V)	14-205 (51.8- 84V)	14-405 (51.8- 168V)
最大转数 Max Spin kV(RPM/V)	15876 315	15288 260	15120 225	16380 195	16800 100
转矩常数Kt(N*M/A)	0.0219	0.0432	0.0531	0.0623	0.0925
空载电流	3.0A	2.5	2	1.6	1.5
最大输出功率 (Max)	8300	9000	9000	9100	9800
最大工作电流(Peak)	350	330	320	310	300
最大效益 (Efficiency)	>90%	90%	91%	91%	98%
最大输出扭矩(max)	8.3	8.8	8.6	9	10
额定功率@效益80%	7500	8100	8100	8200	8900
重量(Weight)(KG)	1.93	1.94	1.96	1.95	1.97
内部结构(Construction)	18N/6P				
MTI65-WP 外型尺寸	D65*1162				
最高工作温度 (Max)	120 °C				
绝缘电压及漏电流	AC500V/10MA/3S				
伸出轴规格(shaft)	Can be customized (MOQ 20PCS)				
伸出线长(Lead wires)	Can be customized (MOQ 20PCS)				
连接插头(Plug)	Can be customized (MOQ 20PCS)				
使用寿命(life Span)	8000H				



100KV TEST DATASHEET

at 60V																			
序号	C_VOLT(V)	C_CURR(A)	REC_INPUT_C_POWER(W)	C_Efficient	M_VOLT(V)	M_CURR(A)	INPUTM_CURR(M)	M_CURR(M)	M_Uthd(M)	M_Uthd(M)	EM_Itchd(A)	M_Itchd(B)	M_POWER(W)	F	M_EFFICI(M)	RPM(M)	(M_PULL(M)	M_MechEFFICIEN	TEMP1(°C)
0	59.7	24.23	1437.6	0.9939	98.397	44.07	20	1414.5	20.14	19.86	12.18	10.42	12.73	9.19	0.9266	269.07	75.865	5382	1.904
1	59.58	34.31	2034.5	0.9952	98.637	43.88	28.82	2006.8	28.88	28.76	19.56	19.15	17.44	14.25	0.916	282.54	80.708	5183	2.984
2	59.5	43.53	2571.5	0.993	98.682	43.82	37.05	2537.6	37.16	36.95	17.3	17.79	11.19	11.06	0.9024	282.8	82.802	5006	4.008
3	59.4	53.25	3125.2	0.9881	98.614	43.8	45.78	3081.9	45.85	45.7	29.2	26.68	23.07	25.54	0.8876	277.79	83.039	4841	5.048
4	59.31	63.14	3674.5	0.9812	98.65	43.8	54.8	3624.9	54.91	54.69	157.47	232	146.62	195.6	0.8719	307.64	82.096	4680	6.072
5	59.21	74.43	4281.9	0.9716	98.534	43.86	64.91	4219.1	64.98	64.84	463.57	443.98	173	262.9	0.8557	306.78	80.527	4511	7.192
6	59.13	84.27	4795.6	0.9625	98.417	43.9	73.6	4719.7	73.7	73.52	32.23	46.3	33.37	26.4	0.8433	317.94	78.627	4364	8.12

at 48V																			
序号	C_VOLT(V)	C_CURR(A)	REC_INPUT_C_POWER(W)	C_Efficient	M_VOLT(V)	M_CURR(A)	INPUTM_CURR(M)	M_CURR(M)	M_Uthd(M)	M_Uthd(M)	EM_Itchd(A)	M_Itchd(B)	M_POWER(W)	F	M_EFFICI(M)	RPM(M)	(M_PULL(M)	M_MechEFFICIEN	TEMP1(°C)
0	48	24.23	1163	0.9939	97.791	35.433	20	1137.3	20.14	19.86	12.18	10.42	12.73	9.19	0.9266	75.26	4327	1.904	862.79
1	48	34.31	1646.9	0.9952	98.151	35.351	28.82	1616.4	28.88	28.76	19.56	19.15	17.44	14.25	0.916	80.122	4176	2.984	1304.8
2	48	43.53	2089.4	0.993	97.975	35.351	37.05	2047.1	37.16	36.95	17.3	17.79	11.19	11.06	0.9024	82.199	4038	4.008	1695
3	48	53.25	2556	0.9881	97.459	35.394	45.78	2491	45.85	45.7	29.2	26.68	23.07	25.54	0.8876	82.415	3912	5.048	2067.9
4	48	63.14	3030.7	0.9812	96.794	35.448	54.8	2933.6	54.91	54.69	157.47	232	146.62	195.6	0.8719	81.496	3788	6.072	2408.4
5	48	74.43	3572.6	0.9716	95.746	35.556	64.91	3420.6	64.98	64.84	463.57	443.98	173	262.9	0.8557	79.917	3657	7.192	2754.2
6	48	84.27	4045	0.9625	94.712	35.637	73.6	3831.1	73.7	73.52	32.23	46.3	33.37	26.4	0.8433	78.029	3543	8.12	3012.3



PLS NOTE:

