

Product Features

Application : - 2-Wheeler

Motor Type : - Hub Motor

Motor Specifications

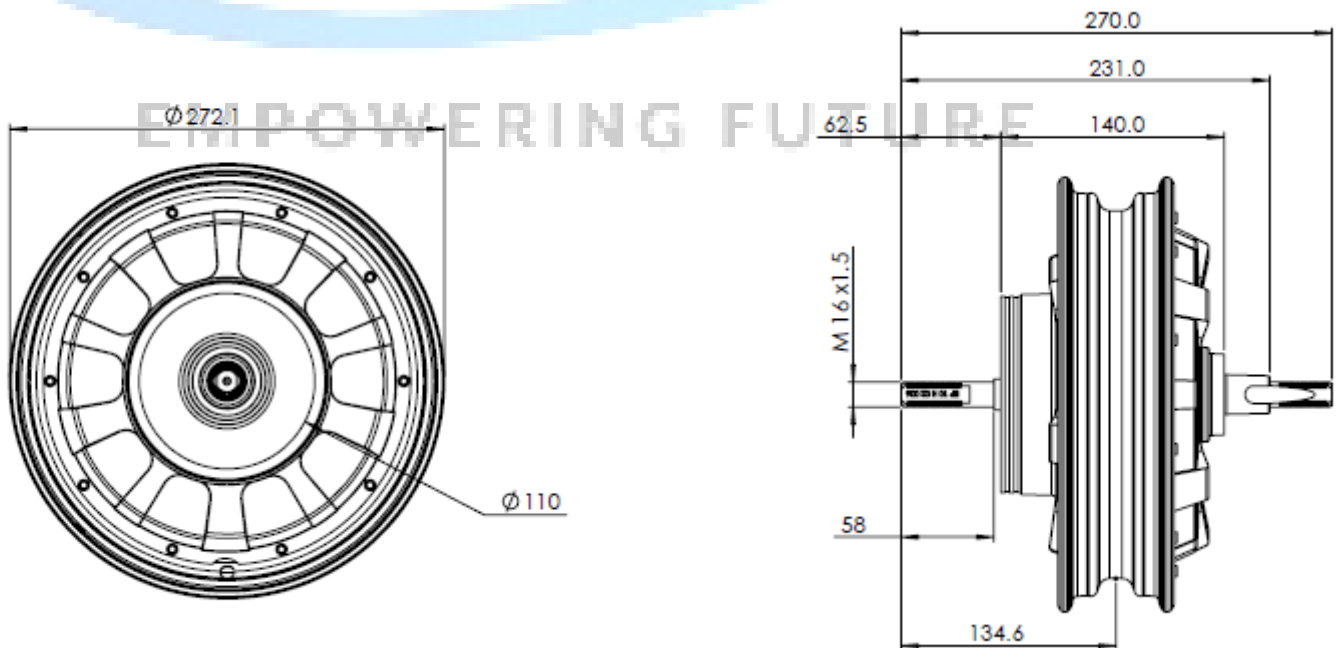
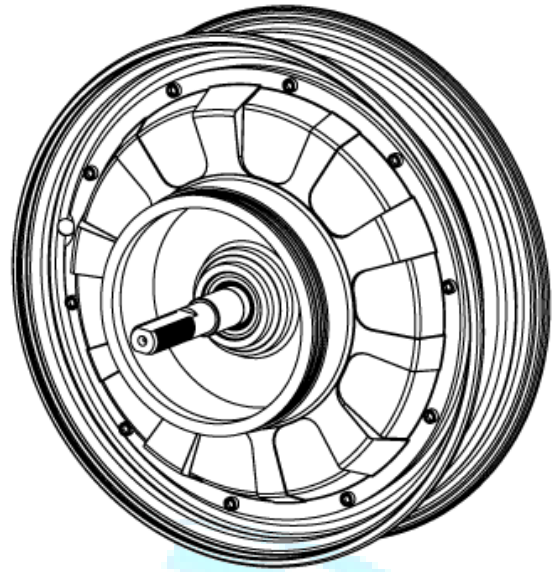
Outer Diameter : - 272 mm

Shaft Length : - 270 mm

Break Size : - 110 mm Drum

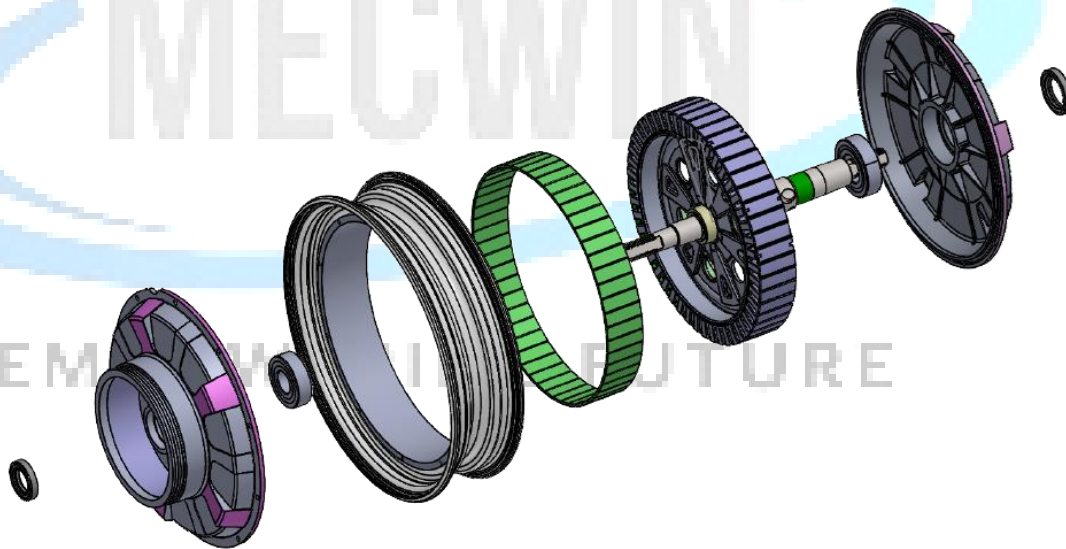
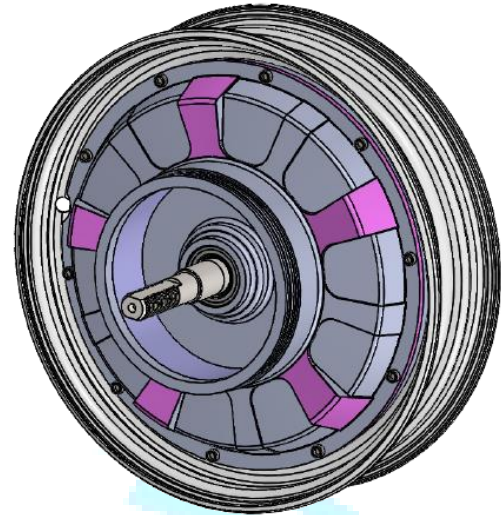
Swing Arm Distance:- 173 mm

IP Level :- IP67



Motor Specification

Operating Voltage	48	V
Rated Power	550	W
Peak Power	1.0	kW
Rated Torque	15	N-m
Peak Torque@100	60	N-m
RPM		
Max DC Current	27	A
Max Speed	373	Rpm

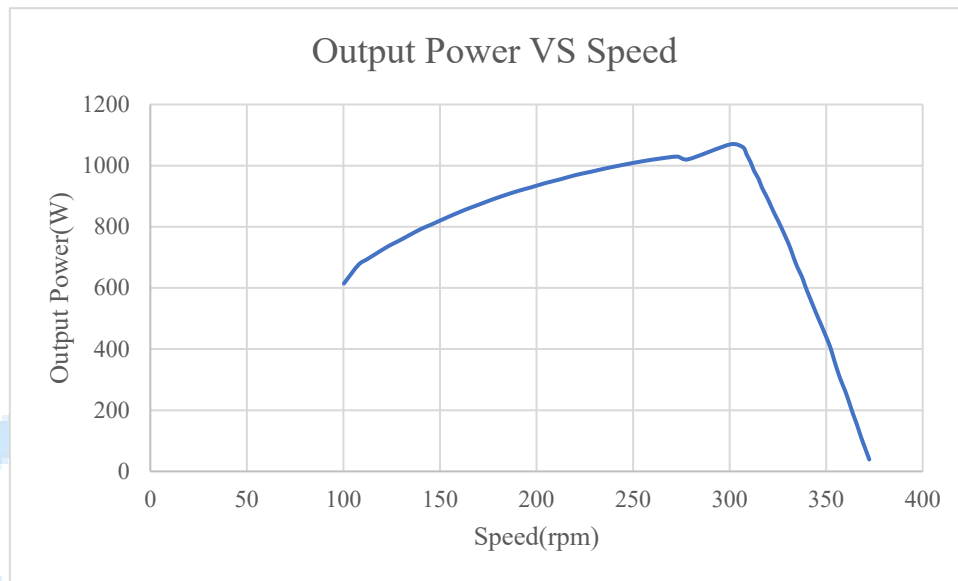


Performance Details

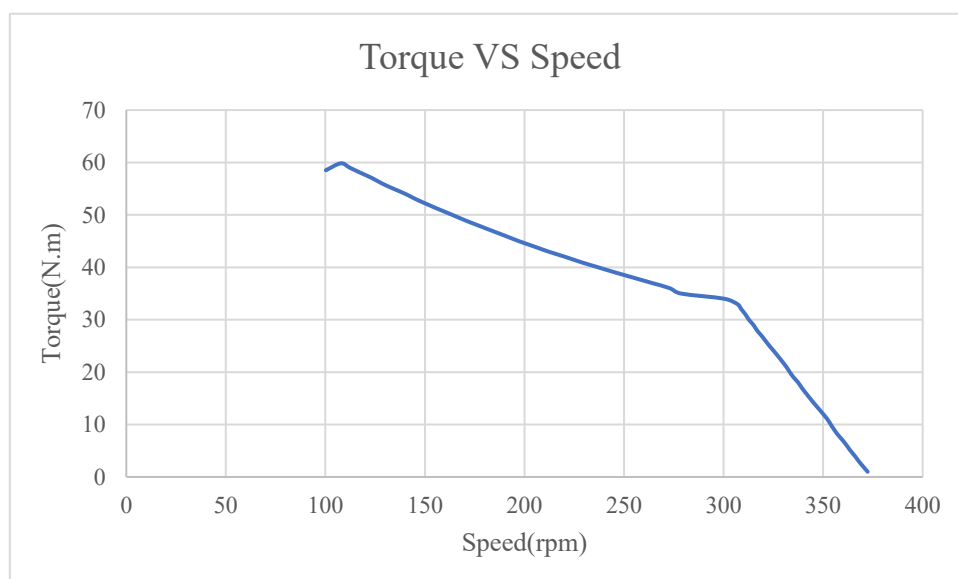
Parameters	DC Voltage	DC Current	RMS Line to Line Voltage	RMS Line Current	Input Power	Torque	Speed	Output power	System Efficiency
	V	A	V	A	W	N-m	rpm	W	%
No Load	48.0	1.81	36.42	1.78	87	0.50	373	19	22.4
Max Torque	48.0	26.37	18.31	38.75	1266	60	108	675	53.3
Max Input Power	48.0	26.97	34.66	22.95	1293	34	300	1070	82.7
Max Output Power	48.0	26.97	34.66	22.95	1293	34	300	1070	82.7
Max Efficiency	48.0	14.48	36.81	12.61	695	17	336	632.45	91

Performance Curves

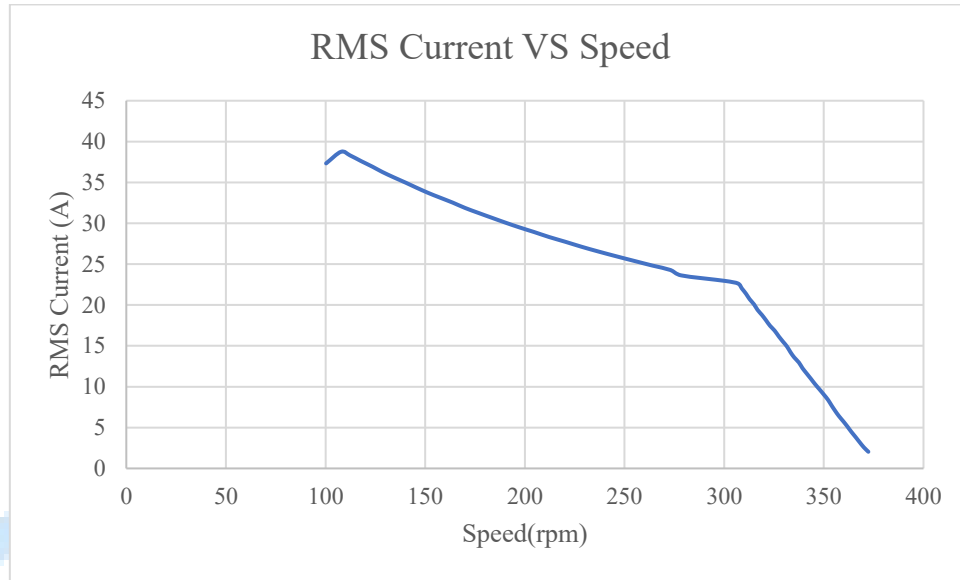
Output Power vs Speed



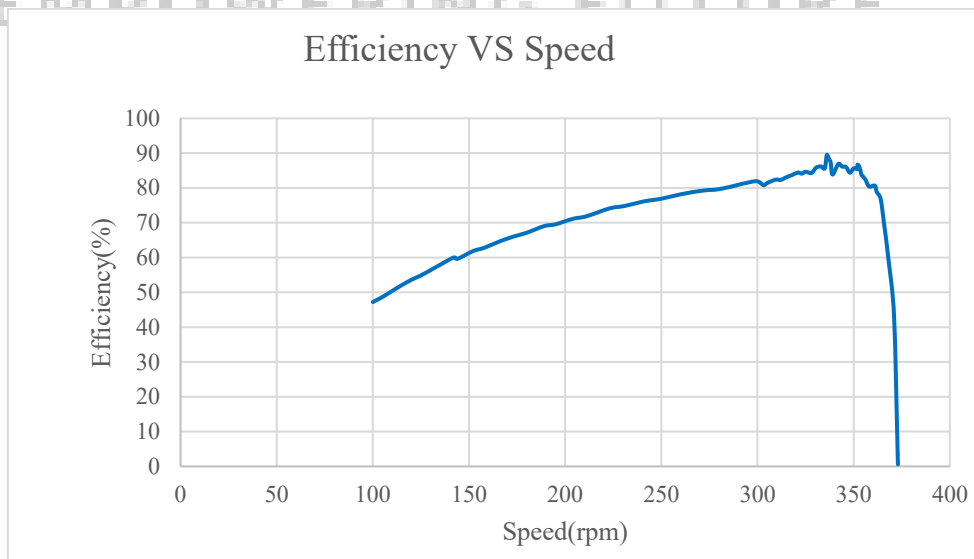
Torque vs Speed



Current vs Speed



Efficiency vs Speed



Load Test Data

DC Voltage	DC Current	RMS line to line Voltage	RMS line Current	Input Power	Torque	Speed	Output Power	System Efficiency
V	A	V	A	W	N-m	rpm	W	%
47.98	1.81	36.42	1.78	87	0.50	373	19	22.4
47.98	2.21	36.62	2.04	106	1	372	39	36.7
47.99	3.02	36.57	2.58	145	2	370	78	53.6
47.99	4.64	36.46	3.84	223	4	366	153	68.9
47.99	6.23	36.39	5.12	299	6	362	228	76.1
47.99	7.82	36.31	6.42	375	8	358	299	79.8
48.00	9.41	36.24	7.72	452	10	354	371	82.1
48.00	10.97	36.18	9.03	526	12	350	440	83.5
48.00	12.53	36.11	10.33	602	14	346	506	84.2
48.00	13.31	36.08	11.00	639	15	343	539	84.4
48.00	14.07	36.05	11.64	676	16	341	572	84.7
48.00	14.48	36.81	12.64	695	17	336	632	91.0
48.00	17.11	35.93	14.23	821	20	333	698	85.0
48.00	18.60	35.86	15.51	893	22	330	759	85.0
48.00	20.13	35.80	16.87	966	24	325	818	84.6
48.00	21.62	35.75	18.12	1038	26	321	874	84.2
48.00	23.07	35.69	19.41	1108	28	317	929	83.9
48.00	24.55	35.62	20.73	1178	30	313	982	83.4
48.00	25.29	35.60	21.36	1214	31	311	1010	83.2
48.00	26.02	35.56	22.01	1249	32	309	1035	82.9
48.00	26.70	35.52	22.64	1281	33	307	1060	82.8
47.94	26.97	34.66	22.95	1293	34	300	1070	82.7
47.36	26.52	32.54	23.62	1256	35	278	1021	81.2
48.00	26.54	30.62	25.39	1274	38	255	1014	79.6
48.00	26.51	29.00	26.54	1272	40	237	993	78.0
48.00	26.47	26.14	28.93	1271	44	205	943	74.2
48.00	26.47	24.91	30.07	1271	46	190	917	72.2
48.00	26.44	22.67	32.53	1269	50	164	858	67.6
48.00	26.43	21.69	33.74	1269	52	151	824	64.9
48.00	26.41	20.83	34.97	1268	54	140	793	62.5
48.00	26.39	19.08	37.61	1267	58	118	716	56.5
48.00	26.37	18.31	38.75	1266	60	108	675	53.3