

Product Features

Application : - 2-Wheeler

Motor Type : - Hub Motor

Motor Specifications

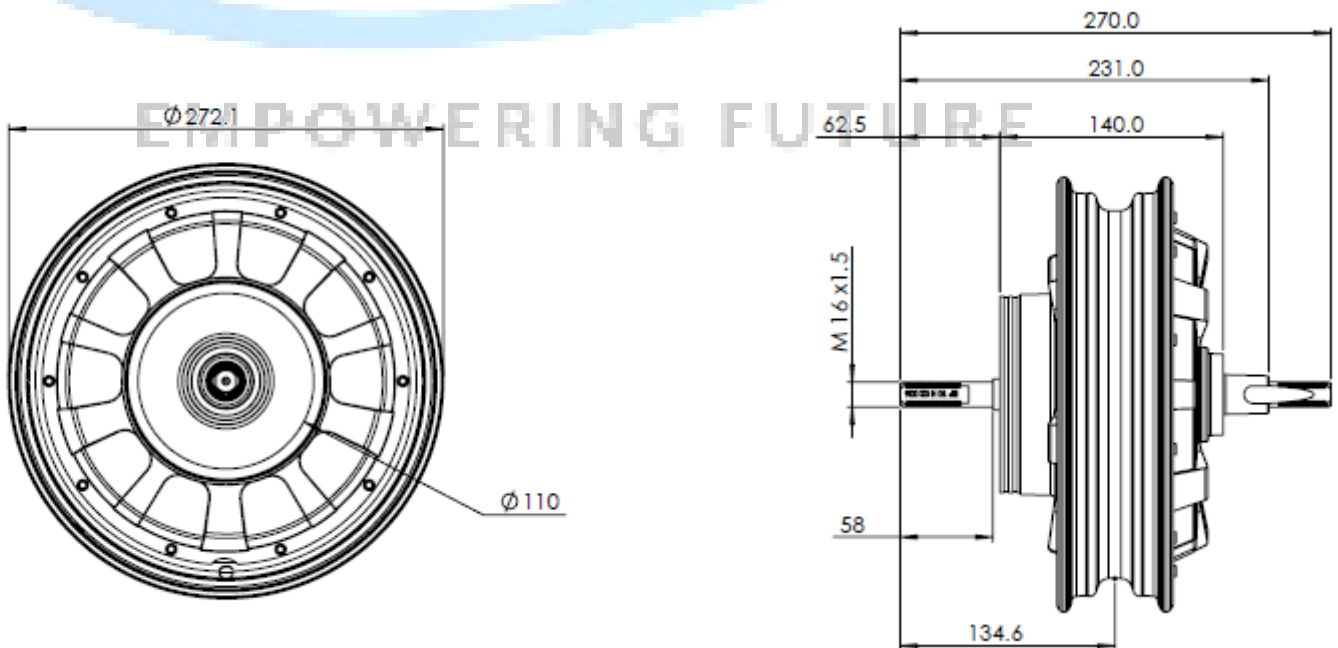
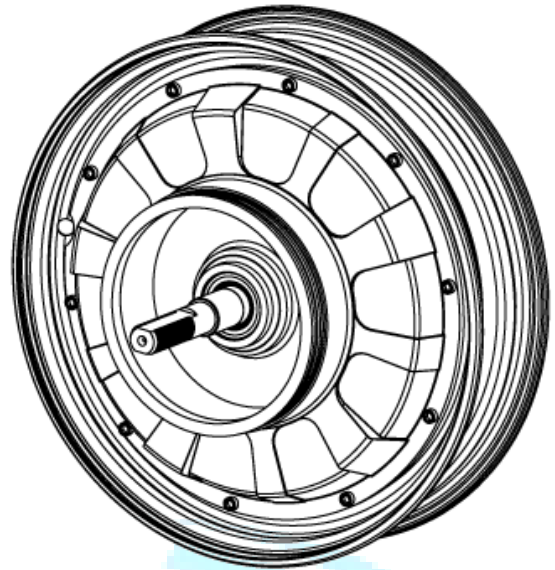
Outer Diameter : - 272 mm

Shaft Length : - 270 mm

Break Size : - 110 mm Drum

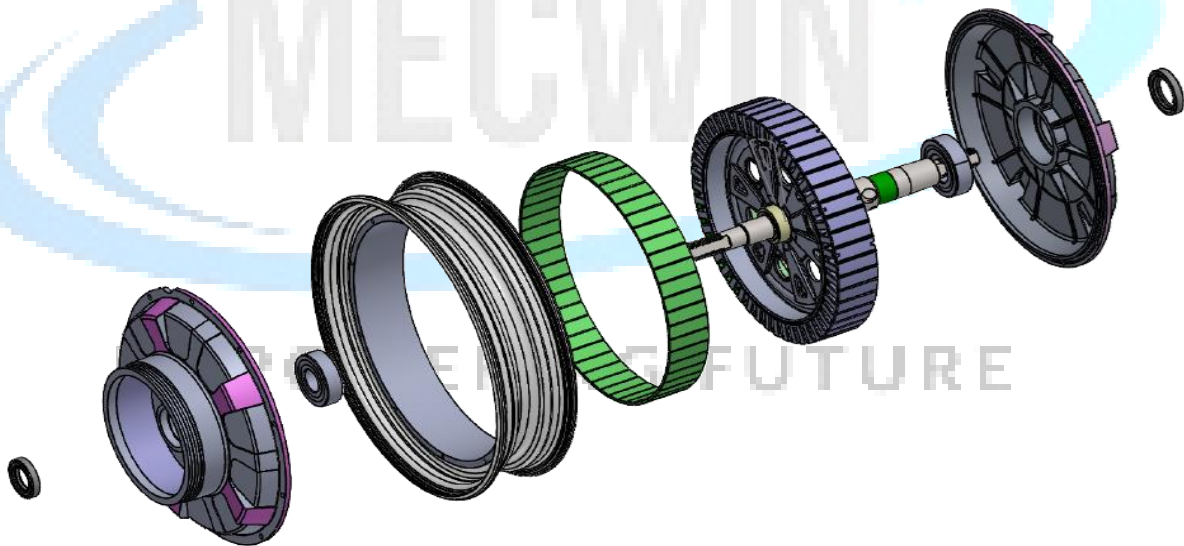
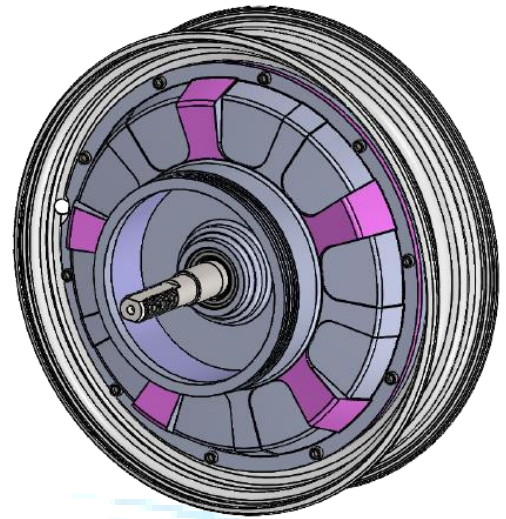
Swing Arm Distance:- 173 mm

IP Level :- IP67



Motor Specification

Operating Voltage	60 V
Rated Power	1.0 kW
Peak Power	2.3 kW
Rated Torque	20.5 Nm
Peak Torque@100 RPM	90 Nm
Max DC Current	45 A
Max Speed	675 Rpm

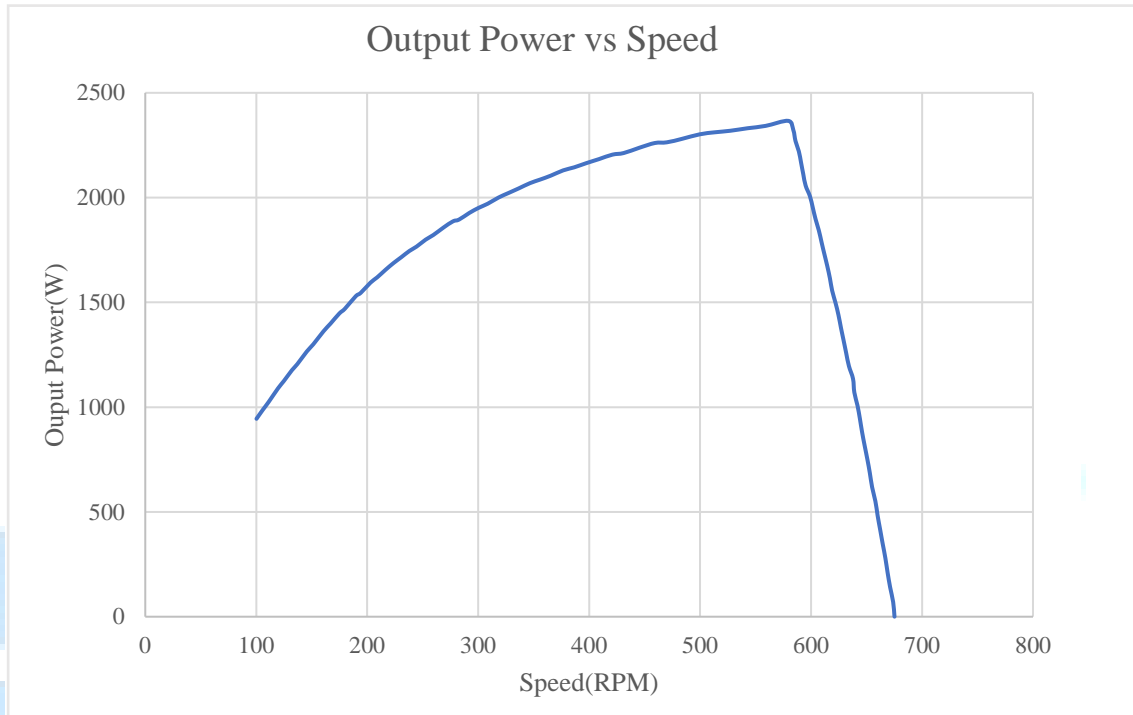


Performance Details

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	60.0	2.12	43.71	5.49	127.52	0	675	0.33	0.26
Max Torque	60.0	42.98	16.58	88.15	2574.66	90	105	986.86	38.33
Max Input Power	60.0	44.63	40.38	44.35	268.07	42	527	2318.9	86.46
Max Output Power	60.0	44.20	43.65	41.08	2654.8	38	584	2322.4	87.48
Max Efficiency	60.0	33.35	43.64	29.09	2002.0	28	609	1787.0	89.26

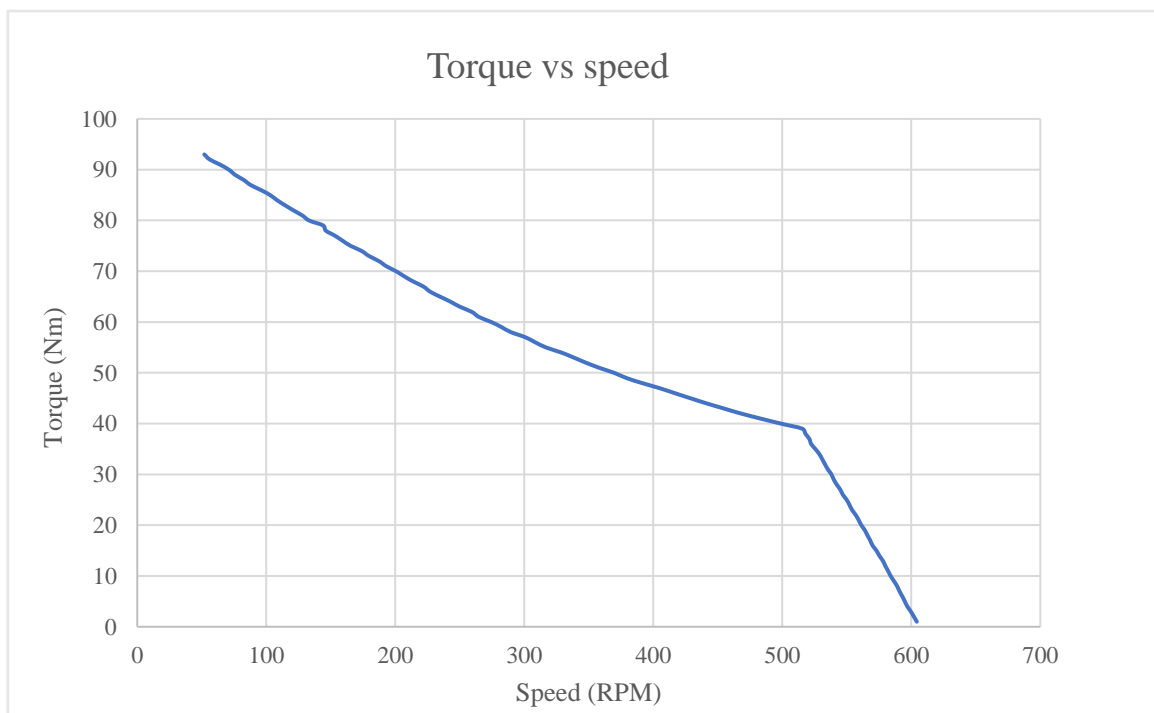
Performance Curves

Output Power vs Speed

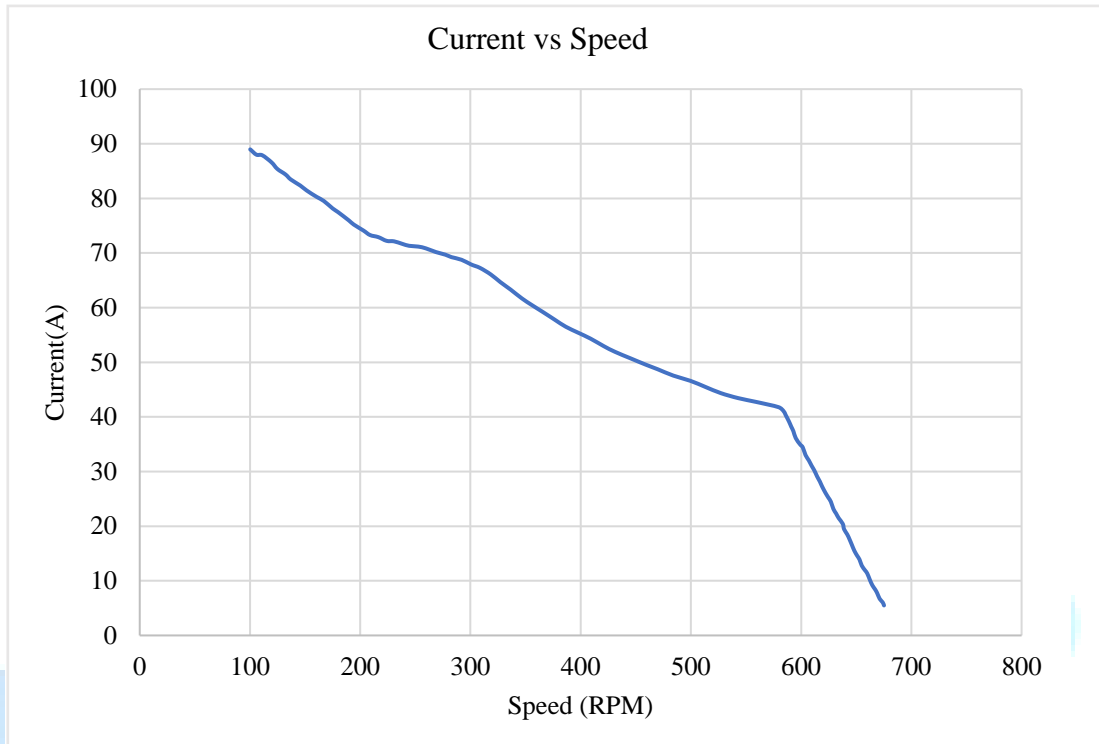


Torque vs Speed

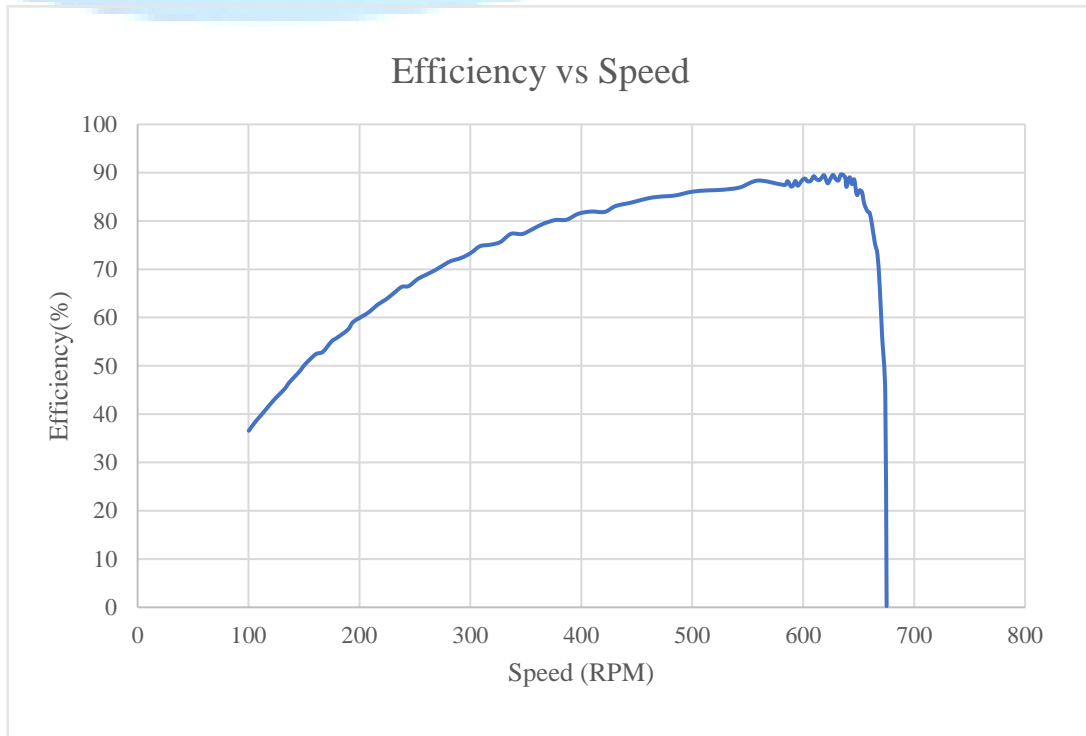
EMPOWERING FUTURE



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	%
60.15	2.12	43.71	5.49	128	0.00	675	0	0.3
60.13	5.28	43.68	7.76	317	3.01	669	211	66.5
60.13	6.37	43.67	8.47	383	4.00	667	280	73.0
60.12	9.85	43.67	11.36	592	7.00	660	484	81.7
60.09	14.44	43.68	14.60	868	10.99	651	749	86.4
60.08	20.47	43.67	19.44	1230	16.00	639	1071	87.1
60.07	23.68	43.68	22.33	1423	19.01	632	1257	88.4
60.07	27.00	43.65	25.23	1622	22.01	625	1440	88.8
60.06	31.53	43.66	29.09	1894	26.03	615	1675	88.5
60.03	33.35	43.64	31.07	2002	28.00	609	1787	89.3
60.19	39.15	43.65	36.12	2357	33.01	595	2057	87.3
60.07	44.20	43.65	41.08	2655	37.98	584	2322	87.5
60.10	44.63	40.38	44.35	2682	42.00	527	2319	86.5
60.08	44.44	35.56	50.72	2670	48.00	445	2238	83.8
60.08	44.82	34.20	52.95	2693	50.01	421	2205	81.9
60.11	44.11	31.18	59.24	2651	55.00	365	2105	79.4
60.11	43.97	29.44	63.29	2643	58.00	337	2044	77.3
60.06	44.26	27.02	67.91	2658	62.00	301	1951	73.4
60.08	44.04	24.10	71.18	2646	68.00	253	1799	68.0
60.10	43.51	21.47	75.21	2617	76.00	194	1545	59.1
60.22	43.16	19.63	80.26	2599	80.98	161	1362	52.4
60.33	42.84	18.50	83.46	2584	84.00	137	1205	46.6
60.03	43.12	17.81	85.39	2589	86.00	125	1124	43.4
60.06	42.87	16.85	88.00	2575	90.00	106	987	38.3