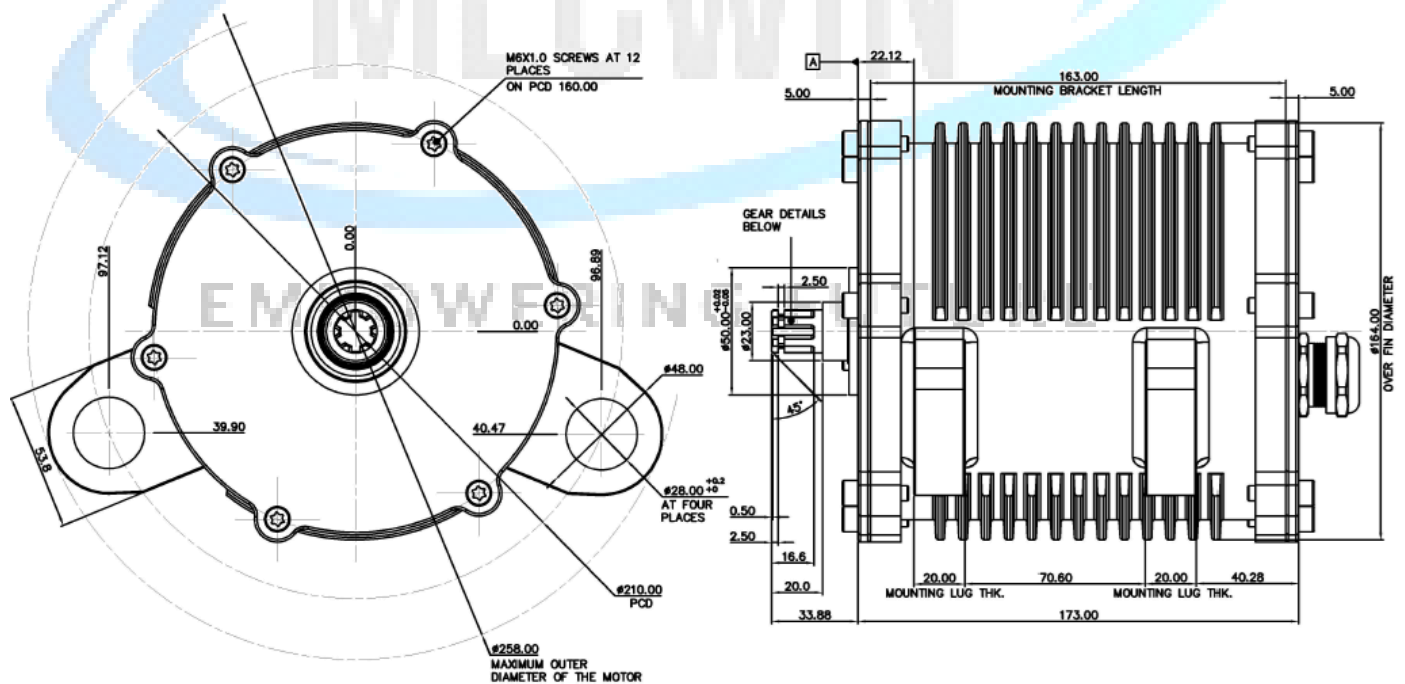
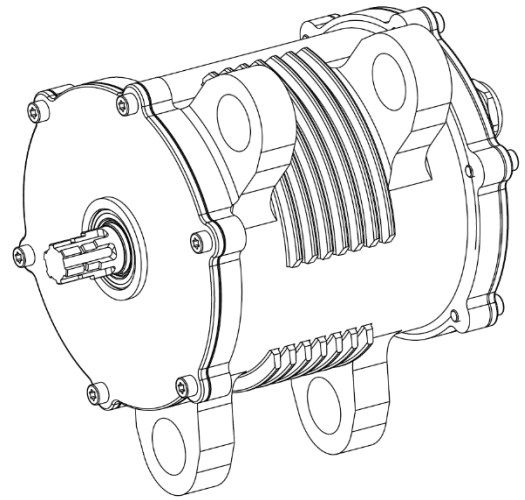


Product Features

Application : - 3 Wheeler
Motor Type : - Mid Motor

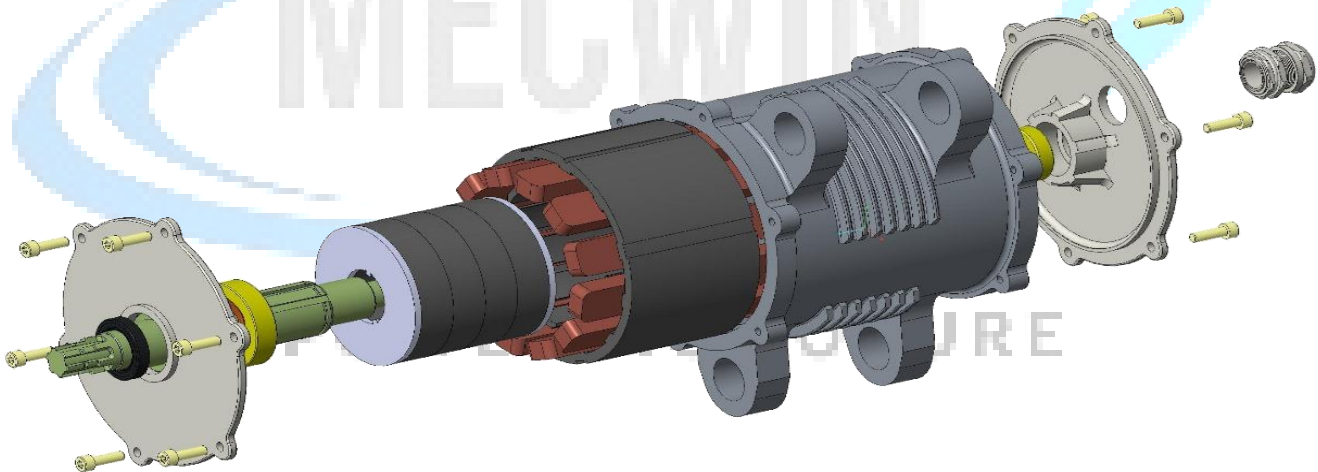
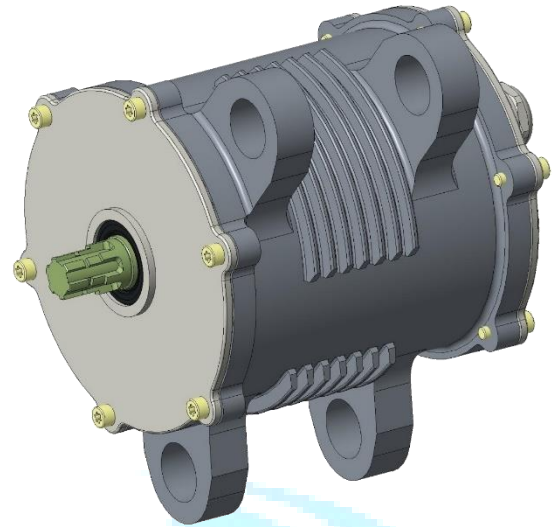
Motor Specifications

Outer Diameter : - 164 mm
Shaft Length : - 173 mm
Gear Type :- Straight Spline



Motor Specifications

Operating Voltage	48	V
Rated Power	3.2	kW
Peak Power	4.9	kW
Rated Torque	12	N-m
Peak Torque@250 RPM	46	N-m
Max DC Current	150A	
Max Speed	3300 RPM	

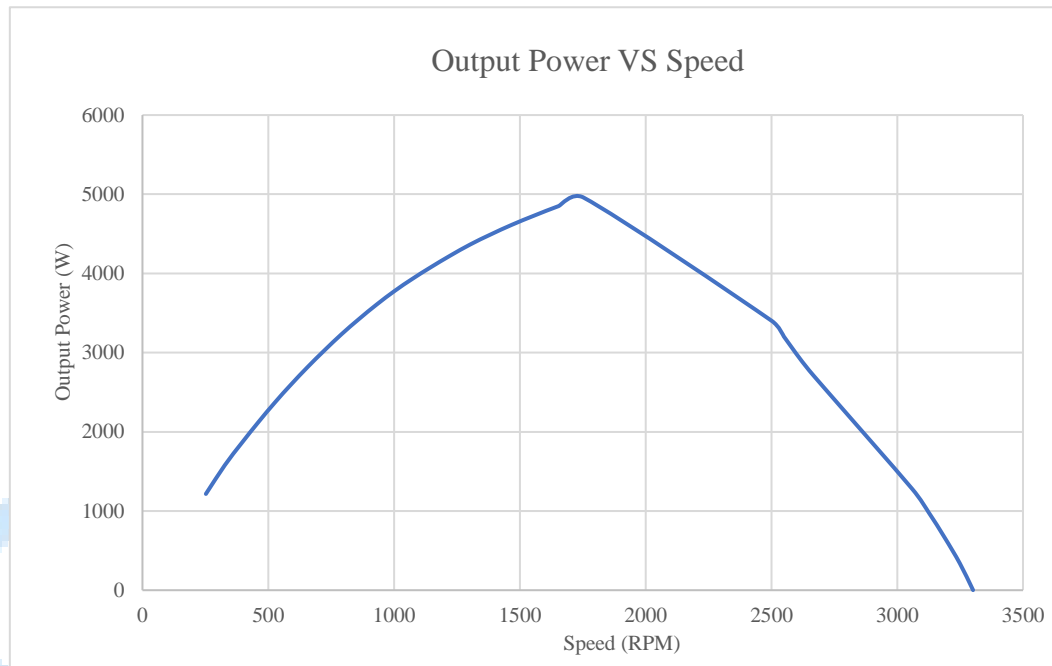


Performance Details

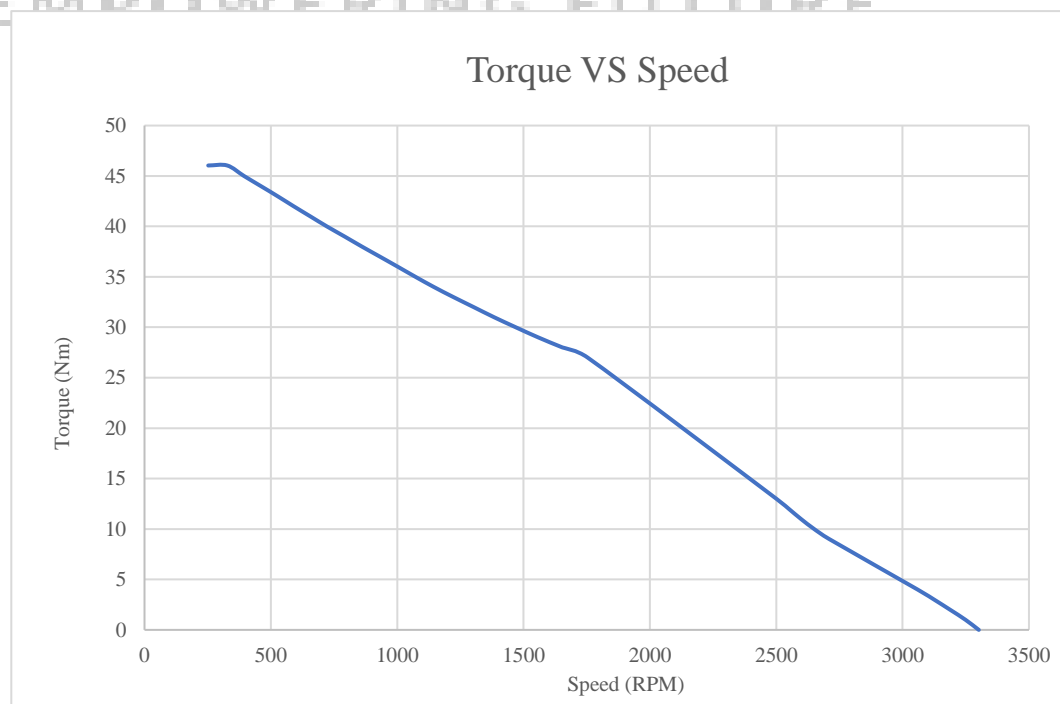
Parameters	DC Voltage	DC Current	RMS Line to Line Voltage	RMS Line Current	Input Power	Torque	Speed	Output power	System Efficiency
	V	A	V	A	W	N-m	rpm	W	%
No Load	48.0	12.92	38.97	12.47	620.16	0	3302	1.38	0.22
Max Torque	48.0	135.17	9.38	312.26	6488.16	46	252	1215.64	18.74
Max Input Power	48.0	143.47	31.20	179.69	6886.56	27	1753	4958.11	72.00
Max Output Power	48.0	143.47	31.20	179.69	6886.56	27	1753	4958.11	72.00
Max Efficiency	48.0	74.13	38.23	89.99	3558.24	12	2550	3309.13	93.00

Performance Curves

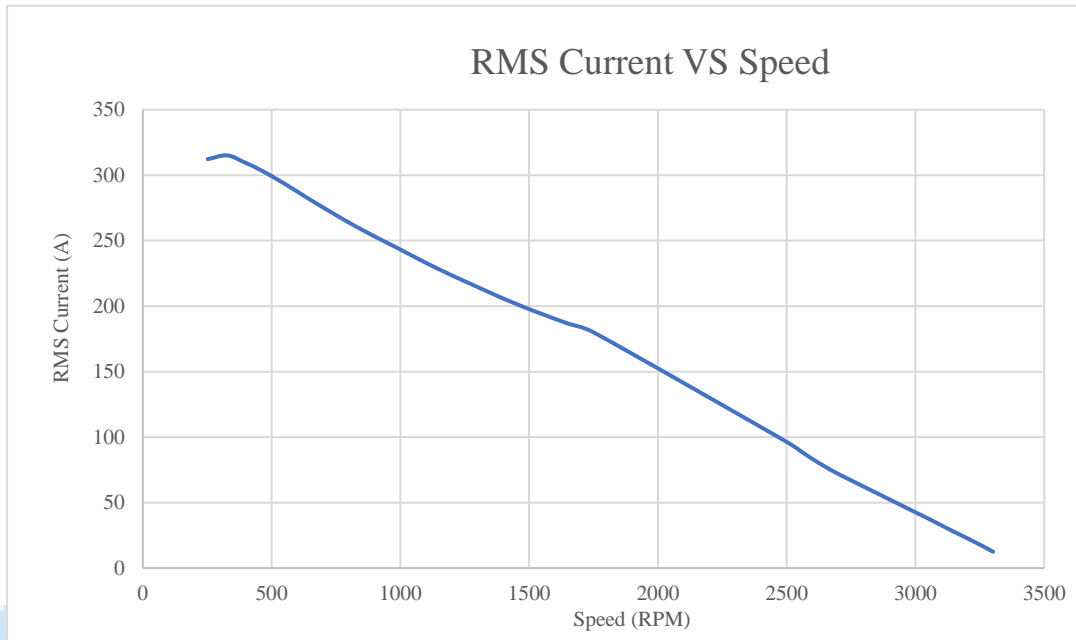
Output Power vs Speed.



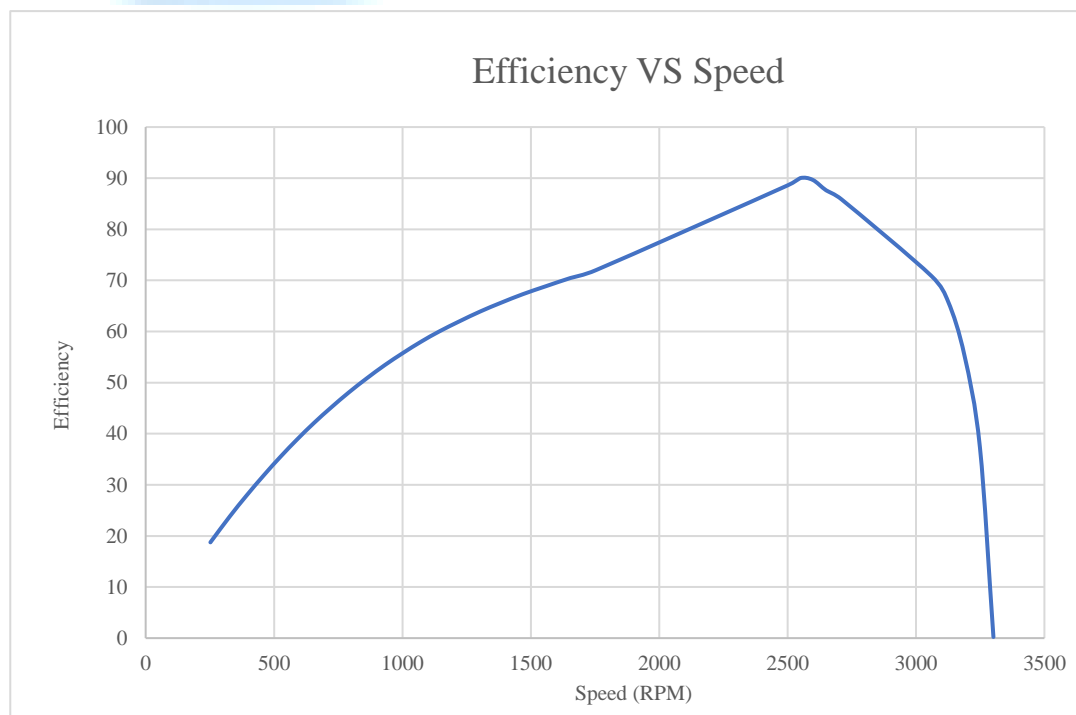
Torque vs Speed



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	%
48	12.92	38.97	12.47	620.16	0	3302	1.38	0.22
48	18.94	38.97	18.04	909.12	1	3249	339.10	37.30
48	25.05	38.97	24.04	1202.40	2	3188	665.47	55.35
48	31.10	38.97	30.15	1492.80	3	3125	983.17	65.86
48	37.62	38.98	36.87	1805.76	4	3059	1280.16	70.89
48	62.00	38.58	70.91	2976.00	9	2710	2554.95	85.85
48	66.00	38.47	77.40	3168.00	10	2650	2775.93	87.62
48	69.50	38.35	83.64	3336.00	11	2598	2991.33	89.67
48	74.13	38.23	89.99	3558.24	12	2550	3309.13	90.02
48	80.02	38.11	96.35	3840.96	13	2500	3403.08	88.60
48	143.47	31.20	179.69	6886.56	27	1753	4958.11	72.00
48	143.40	29.69	186.47	6883.20	28	1654	4849.84	70.46
48	143.18	28.23	193.42	6872.64	29	1558	4731.15	68.84
48	142.87	26.90	200.12	6857.76	30	1469	4615.63	67.31
48	142.61	25.66	207.22	6845.28	31	1383	4491.01	65.61
48	142.31	24.48	214.33	6830.88	32	1303	4365.52	63.91
48	141.91	23.31	221.52	6811.68	33	1222	4222.68	61.99
48	141.42	22.16	228.67	6788.16	34	1145	4075.58	60.04
48	141.19	21.10	235.78	6777.12	35	1072	3930.44	58.00
48	141.09	20.08	242.98	6772.32	36	1002	3779.06	55.80
48	140.72	19.03	250.06	6754.56	37	932	3609.43	53.44
48	140.39	17.98	257.36	6738.72	38	860	3423.60	50.80
48	140.07	16.99	264.76	6723.36	39	792	3233.59	48.09
48	139.65	15.99	272.82	6703.20	40	722	3023.31	45.10
48	139.29	15.07	280.55	6685.92	41	656	2816.08	42.12
48	139.04	14.14	288.64	6673.92	42	590	2596.02	38.90
48	138.88	13.24	296.28	6666.24	43	526	2370.06	35.55
48	138.59	12.29	303.63	6652.32	44	460	2120.07	31.87
48	138.31	11.32	309.91	6638.88	45	394	1854.85	27.94
48	138.18	10.38	315.10	6632.64	46	327	1578.17	23.79
48	135.17	9.38	312.26	6488.16	46	252	1215.64	18.74