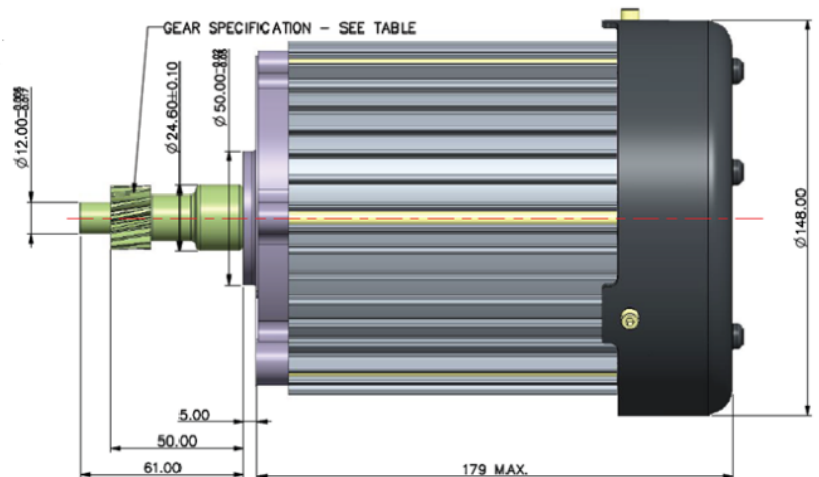
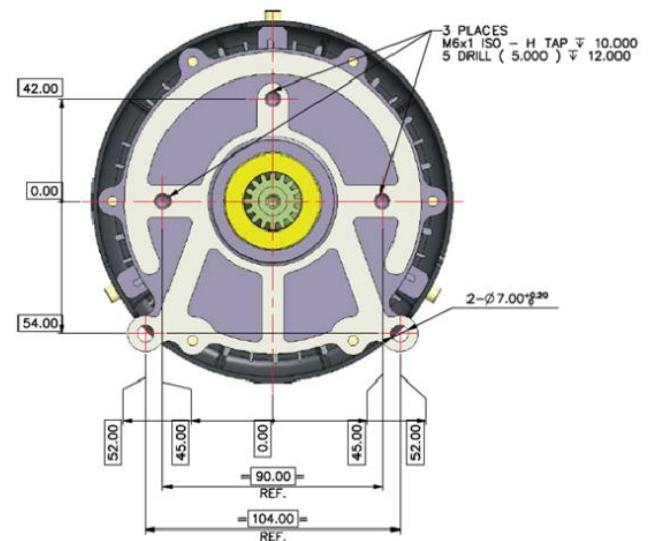


Product Features

Application : - 3 Wheeler
Motor Type : - Mid Motor

Motor Specification

Operating Voltage 48 V
Power 1.2 kW
Peak Power 2.6 kW
Rated Torque 4.2 N-m
Peak Torque@500 RPM 18 N-m
Max DC Current 50 A
Max Speed 3900 Rpm

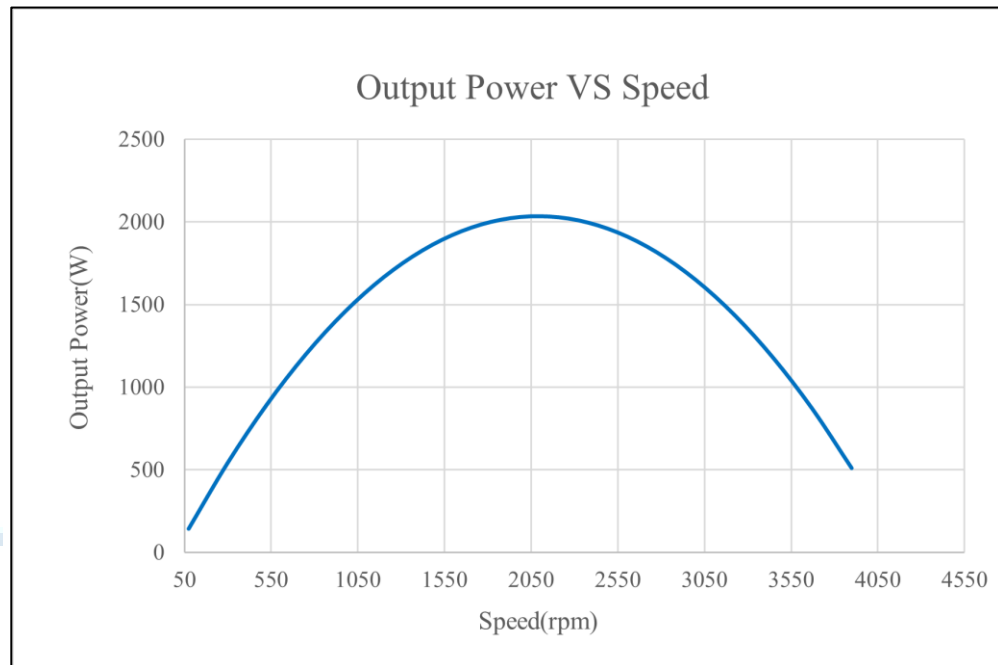


Performance Details

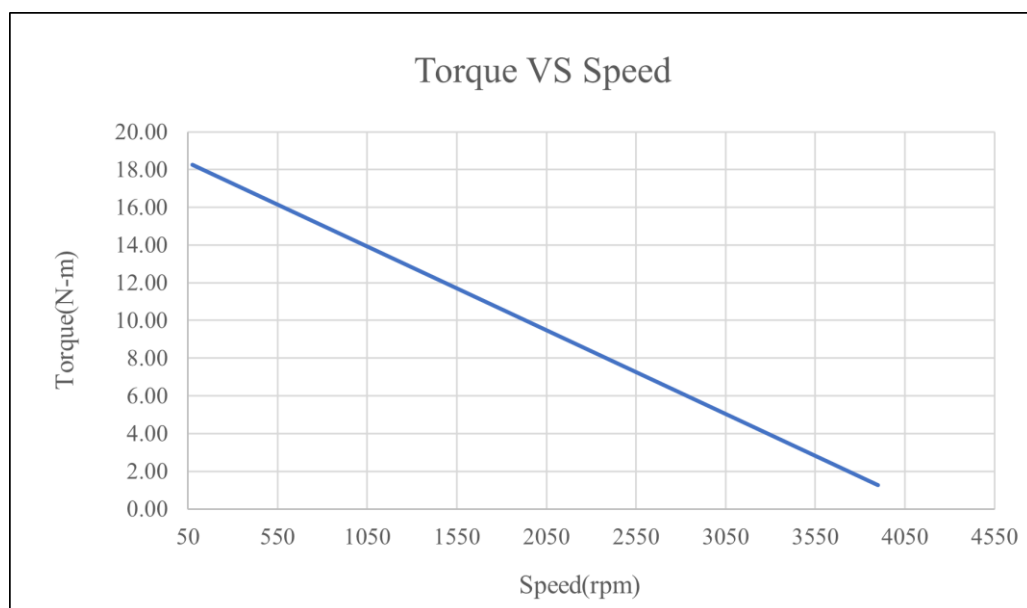
PARAMETERS	DC Voltage	DC Current	RMS line to line Voltage	RMS line Current	Input Power	Torque	Speed	Output Power	System Efficiency
	V	A	V	A	W	N-m	RPM	W	%
No load	48.00	8.34	24.35	7.99	401	0.22	3850	88	21.95
Max Torque	48.00	50.00	10.59	136.16	2346	17.80	490	923	39.34
Max Output Power	48.41	48.58	22.31	57.31	2301	7.19	2500	1900	82.57
Max Efficiency	48.39	30.35	22.92	32.47	1470	4.24	3051	1354	92.05

Performance Curves

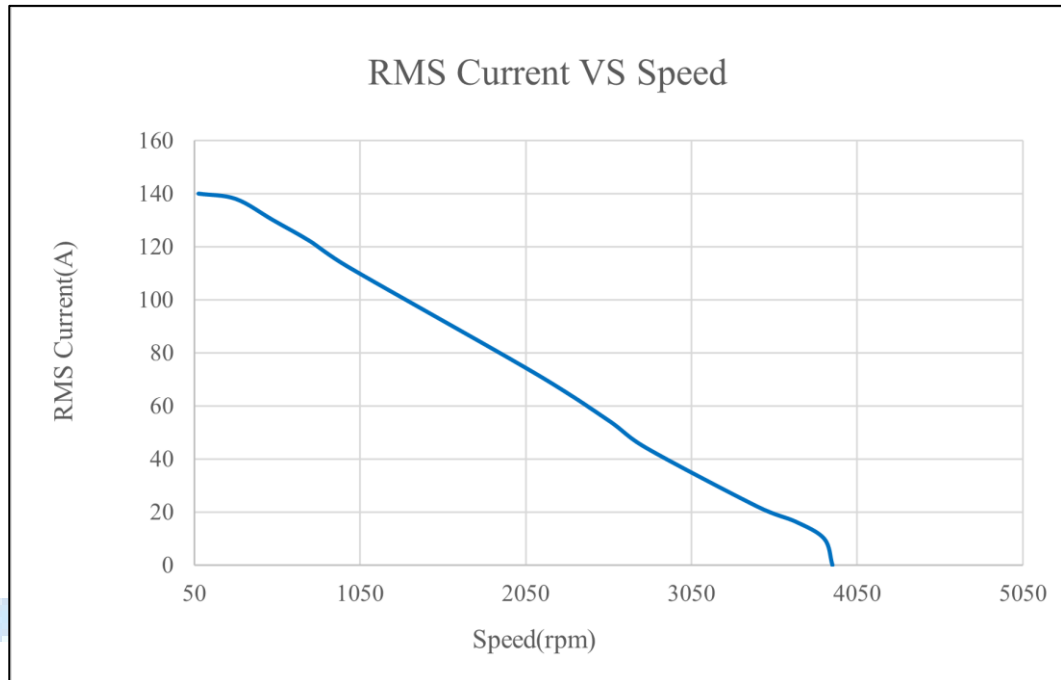
Output Power vs Speed



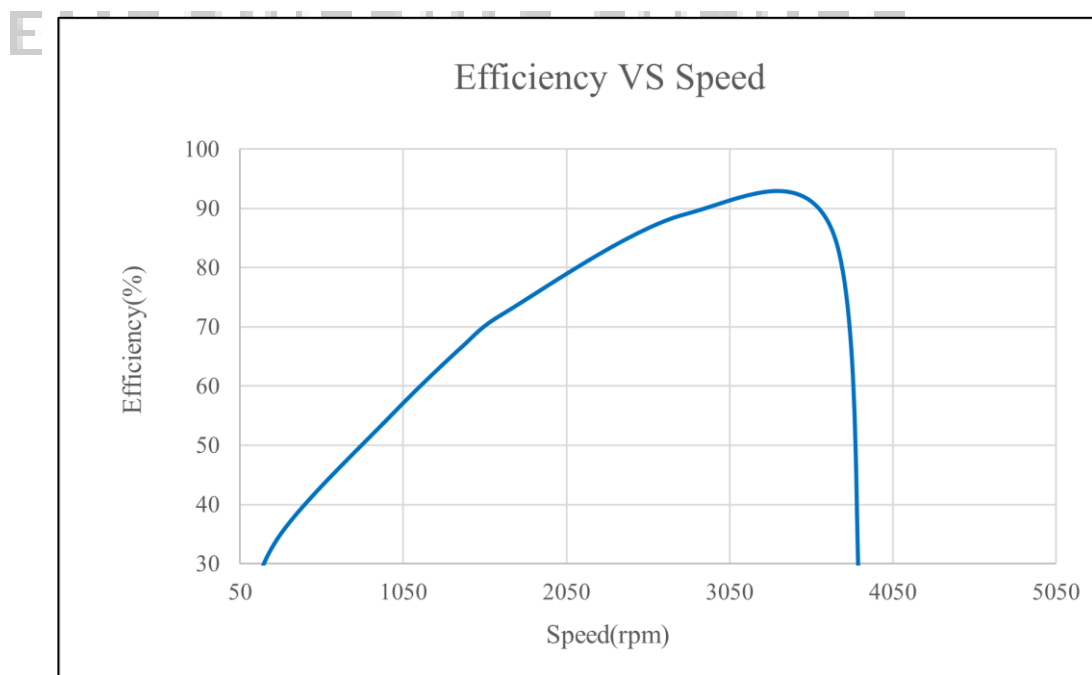
Torque vs Speed



Current vs Speed



Efficiency vs Speed



Technical 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)	(%)
48.00	8.34	24.35	7.99	401	0.22	3850	88	21.95
48.00	9.48	23.17	9.13	315	0.58	3800	213	67.62
48.00	10.54	23.75	10.24	315	0.78	3750	250	79.37
48.00	11.44	25.13	11.39	553	1.20	3900	450	81.37
48.38	12.36	24.81	12.52	598	1.54	3851	500	83.61
48.38	13.24	24.57	13.53	640	1.78	3801	550	85.94
48.38	14.34	24.36	14.64	693	1.82	3750	600	86.58
48.36	15.00	24.19	15.40	725	1.86	3700	630	86.90
48.36	15.99	24.00	16.49	773	1.92	3650	670	86.68
48.39	17.09	23.88	17.83	826	2.15	3602	720	87.17
48.40	17.97	22.72	18.82	869	2.25	3550	760	87.46
48.38	19.27	23.65	20.28	932	2.61	3501	820	87.98
48.39	21.00	23.50	22.88	1038	3.05	3400	922	88.82
48.38	22.34	23.41	23.86	1080	3.10	3349	957	88.61
48.39	24.41	23.34	24.91	1230	3.22	3300	1111	90.35
48.32	26.17	23.19	27.79	1265	3.65	3200	1150	90.86
48.35	26.99	23.08	29.14	1305	3.84	3150	1190	91.20
48.04	28.48	22.98	30.86	1367	4.13	3100	1255	91.75
48.39	30.35	22.92	32.47	1470	4.24	3051	1354	92.05
48.26	30.93	22.84	33.93	1497	4.68	2999	1370	91.48
48.33	33.40	22.77	35.28	1611	4.71	2952	1459	90.55
48.35	35.57	22.62	37.85	1720	5.18	2901	1540	89.73
48.35	37.48	22.60	39.49	1812	5.42	2851	1617	89.24
48.36	38.59	22.51	41.80	1866	5.66	2800	1658	88.85
48.40	39.20	22.47	44.23	1912	5.81	2750	1673	87.50
48.40	40.80	22.40	46.90	1963	6.01	2699	1699	86.55
48.36	42.27	22.37	49.00	2044	6.34	2650	1759	86.06
48.36	44.00	22.32	51.44	2128	6.76	2601	1840	86.47
48.38	46.52	22.30	54.57	2250	6.87	2550	1836	81.60
48.41	48.58	22.31	57.31	2301	7.19	2500	1900	82.57
48.41	50.81	22.30	60.36	2459	7.36	2450	1920	78.08
48.38	53.21	22.36	63.39	2574	7.75	2400	1949	75.72
48.37	55.17	22.22	66.39	2668	8.23	2350	2026	75.94
48.33	55.22	21.78	67.22	2668	8.42	2300	2029	76.05
48.38	55.22	21.32	68.16	2671	8.72	2250	2054	76.90
48.34	55.17	20.80	69.06	2666	8.89	2200	2048	76.82
48.37	55.23	20.43	70.19	2671	9.10	2150	2048	76.68
48.43	55.28	20.20	71.30	2676	9.30	2100	2045	76.42
48.25	55.33	19.62	72.25	2669	9.50	2050	2040	76.43
48.29	55.39	19.17	73.54	2675	9.88	2000	2070	77.38
48.36	55.30	18.85	74.66	2674	10.05	1950	2053	76.78
48.32	55.24	18.51	75.66	2669	10.15	1901	2020	75.68
48.34	55.42	18.11	77.26	2678	10.43	1851	2021	75.47

48.35	55.38	17.76	78.75	2676	10.66	1800	2009	75.07
48.43	55.41	17.39	80.33	2679	10.98	1751	2014	75.18
48.35	55.49	17.13	81.54	2682	11.09	1700	1971	73.49
48.41	55.51	16.81	83.16	2688	11.30	1650	1953	72.66
48.38	55.41	16.54	84.73	2680	11.58	1600	1939	72.35
48.37	55.52	16.24	86.54	2685	11.82	1550	1918	71.43
48.38	55.55	16.00	88.21	2687	12.05	1501	1894	70.49
48.38	55.79	15.77	90.25	2698	12.28	1449	1863	69.05
48.36	55.76	15.55	92.12	2696	12.61	1401	1851	68.66
48.37	55.81	15.36	94.07	2699	12.71	1349	1796	66.54
48.46	57.80	15.18	96.37	2704	13.00	1300	1769	65.42
48.40	55.88	15.08	98.46	2704	13.21	1249	1728	63.91
48.40	55.81	14.94	100.81	2701	13.63	1200	1715	63.50
48.34	55.94	14.91	103.10	2707	13.79	1151	1663	61.43
48.38	55.73	14.85	105.50	2696	14.03	1100	1616	59.94
48.48	55.67	14.78	108.95	2698	14.63	1000	1531	56.75
48.40	55.36	14.71	112.50	2679	14.83	949	1474	55.02
48.40	55.14	14.57	114.50	2668	15.11	899	1422	53.30
48.39	55.90	14.37	116.40	2656	15.26	850	1359	51.17
48.38	54.66	14.05	119.05	2644	15.38	800	1291	48.83
48.32	54.56	13.61	121.68	2636	15.87	751	1248	47.34
48.48	53.88	13.00	123.16	2617	15.97	699	1170	44.71
48.39	53.33	12.54	125.60	2590	16.34	649	1111	42.90
48.38	53.00	12.00	127.20	2567	16.23	601	1021	39.77
48.40	52.74	11.60	129.34	2551	16.63	551	960	37.63
48.00	50.00	10.59	136.16	2346	17.80	490	923	39.34

EMPOWERING FUTURE