

Ningbo Twirl Motor Co.,Ltd

MOTOR LOAD TEST CURVE

Report No.:20220822-PG42775126000-71.2K-

Derailleur(Motor/Output):71.2/1

Sample No.:1

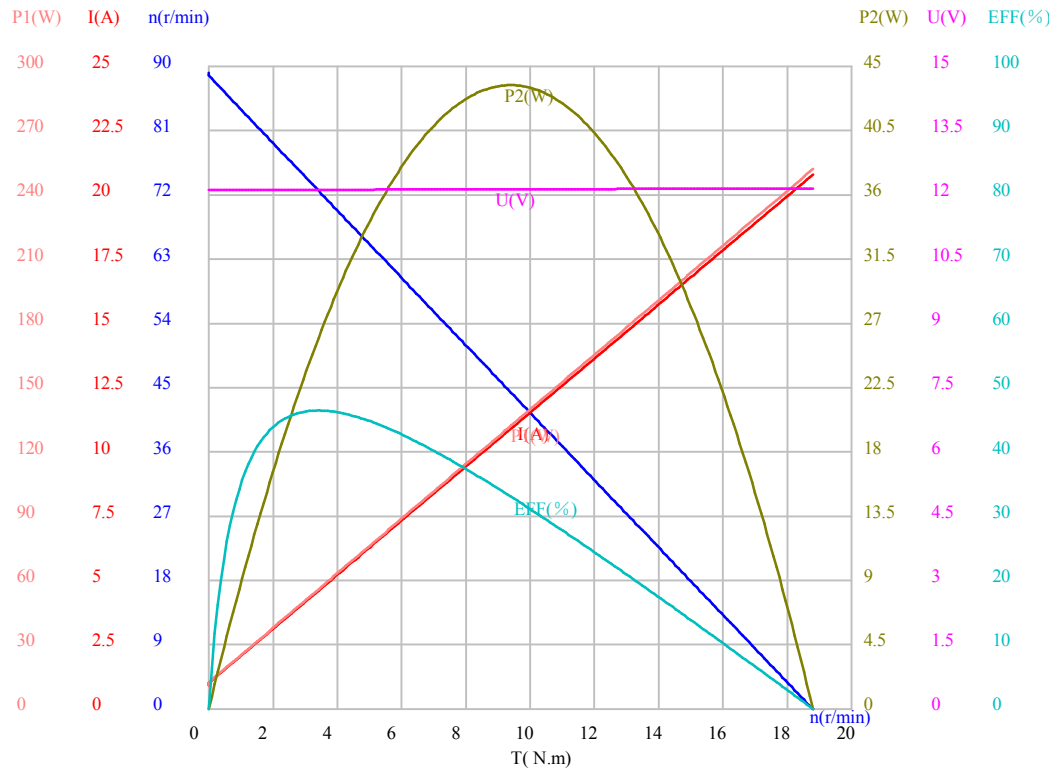
Manufacturer/V

Specification

Report No.:1

Motor Type:PG42775126000-71.2K

Direction:CCW



U(V)	I(A)	P1(W)	T(N.m)	n(r/min)	P2(W)	EFF(%)	P.F
12.11	0.919	11.13	0.00	89.1	0.000	0.000	0.999
12.11	1.418	17.19	0.38	86.9	3.443	20.03	1.000
12.12	1.918	23.24	0.85	84.7	7.567	32.56	1.000
12.12	2.417	29.30	1.33	82.4	11.47	39.15	1.000
12.12	2.916	35.35	1.80	80.2	15.15	42.85	1.000
12.12	3.415	41.41	2.28	77.9	18.60	44.93	1.000
12.12	3.915	47.46	2.75	75.7	21.83	46.01	1.000
12.12	4.414	53.51	3.23	73.5	24.84	46.43	1.000
12.12	4.913	59.57	3.70	71.2	27.63	46.39	1.000
12.12	5.412	65.62	4.18	69.0	30.19	46.01	1.000
12.12	5.912	71.68	4.65	66.7	32.54	45.39	1.000
12.12	6.411	77.73	5.13	64.5	34.65	44.58	0.999
12.12	6.910	83.78	5.60	62.3	36.55	43.62	0.999
12.13	7.409	89.84	6.08	60.0	38.22	42.54	0.999
12.13	7.909	95.89	6.55	57.8	39.67	41.37	0.999
12.13	8.408	101.9	7.03	55.5	40.90	40.12	0.999
12.13	8.907	108.0	7.50	53.3	41.90	38.80	0.999
12.13	9.406	114.1	7.98	51.0	42.68	37.42	0.999
12.13	9.906	120.1	8.45	48.8	43.24	36.00	0.999
12.13	10.41	126.2	8.93	46.6	43.57	34.54	0.999
12.13	10.90	132.2	9.40	44.3	43.68	33.04	0.999
12.13	11.40	138.3	9.88	42.1	43.57	31.51	0.999
12.13	11.90	144.3	10.35	39.8	43.24	29.96	0.999
12.14	12.40	150.4	10.83	37.6	42.68	28.38	0.999
12.14	12.90	156.4	11.30	35.4	41.90	26.79	0.999
12.14	13.40	162.5	11.78	33.1	40.90	25.17	0.998
12.14	13.90	168.5	12.25	30.9	39.67	23.54	0.998
12.14	14.40	174.6	12.73	28.6	38.23	21.89	0.998
12.14	14.90	180.6	13.20	26.4	36.55	20.24	0.998
12.14	15.40	186.7	13.68	24.2	34.66	18.56	0.998
12.14	15.90	192.8	14.15	21.9	32.54	16.88	0.998
12.14	16.40	198.8	14.62	19.7	30.20	15.19	0.998
12.14	16.90	204.9	15.10	17.4	27.64	13.49	0.998
12.14	17.40	210.9	15.57	15.2	24.85	11.78	0.998
12.15	17.89	217.0	16.05	12.9	21.85	10.07	0.998
12.15	18.39	223.0	16.52	10.7	18.61	8.346	0.998
12.15	18.89	229.1	17.00	8.5	15.16	6.617	0.998
12.15	19.39	235.1	17.47	6.2	11.48	4.883	0.998
12.15	19.89	241.2	17.95	4.0	7.582	3.143	0.998
12.15	20.39	247.2	18.42	1.7	3.458	1.398	0.997
12.15	20.79	252.1	18.80	0.0	0.000	0.000	0.997

	U(V)	I(A)	P1(W)	T(N.m)	n(r/min)	P2(W)	EFF(%)	P.F
No-Load	12.11	0.919	11.13	0.00	89.1	0.000	0.000	0.999
Locked	12.15	20.79	252.1	18.80	0	0	0.000	0.997
Max-T	12.15	20.79	252.1	18.80	0.0	0.000	0.000	0.997
Max-P2	12.13	10.90	132.2	9.40	44.3	43.68	33.04	0.999
Max-EFF	12.12	4.614	55.93	3.42	72.6	25.99	46.46	1.000
Rating	****	****	****	****	****	****	****	****

Tester:

Test Date: 2022-8-22