

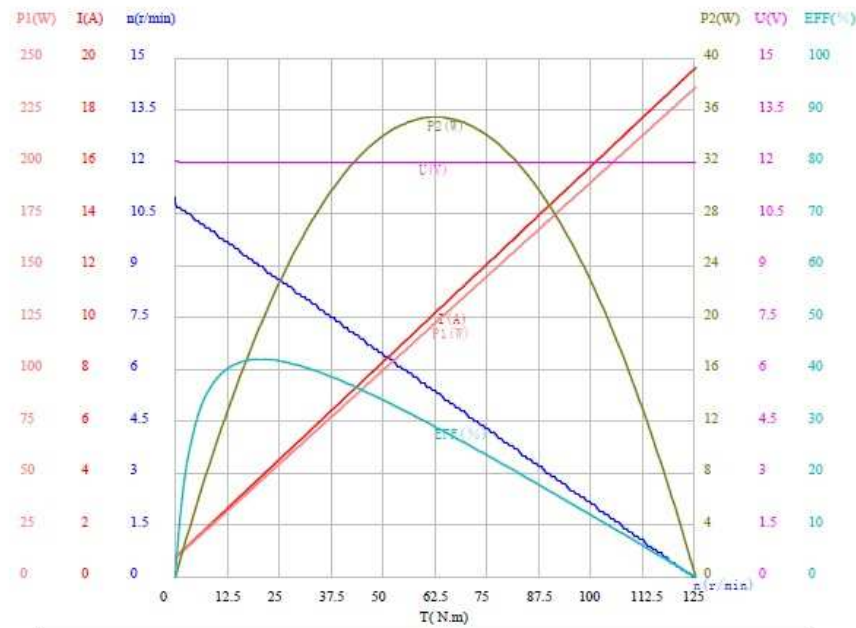
# AM-4250 Technical Information

PG516 Gear motor with 516:1 ratio gearbox, 12 volt DC motor and encoder Date: 4/27/2020

报告编号: 20200407-PG45775126000-516KE7-SGZLQ  
 变速器变比(电机/输出): 516/1  
 样机编号: 1

客户: SGZLQ  
 特性参数: /  
 报告序号: 1

电机型号: PG45775126000-516KE7  
 样机转向: 逆时针(CCW)



U(V)	I(A)	P1(W)	T(N.m)	n(r/min)	P2(W)	EFF(%)	P.F
12.02	0.424	5.112	0.00	11.0	0.000	0.000	1.000
12.02	0.907	10.91	1.00	10.7	1.121	10.28	1.000
12.02	1.390	16.71	4.20	10.4	4.598	27.51	1.000
12.02	1.873	22.51	7.41	10.1	7.889	35.04	1.000
12.02	2.355	28.31	10.61	9.8	10.99	38.83	1.000
12.02	2.838	34.11	13.82	9.6	13.92	40.79	1.000
12.02	3.321	39.91	17.02	9.3	16.65	41.71	1.000
12.02	3.803	45.72	20.23	9.0	19.20	42.00	1.000
12.02	4.286	51.52	23.43	8.7	21.56	41.86	1.000
12.01	4.769	57.32	26.63	8.5	23.74	41.42	1.000
12.01	5.252	63.12	29.84	8.2	25.73	40.77	1.000
12.01	5.734	68.92	33.04	7.9	27.54	39.96	1.000
12.01	6.217	74.72	36.25	7.6	29.16	39.03	1.000
12.01	6.700	80.52	39.45	7.4	30.60	38.00	1.000
12.01	7.183	86.32	42.66	7.1	31.85	36.90	1.000
12.01	7.665	92.12	45.86	6.8	32.92	35.73	1.000
12.01	8.148	97.92	49.07	6.5	33.80	34.51	1.000
12.01	8.631	103.7	52.27	6.3	34.49	33.25	1.000
12.01	9.113	109.5	55.47	6.0	35.00	31.96	1.000
12.01	9.596	115.3	58.68	5.7	35.32	30.63	1.000
12.01	10.08	121.1	61.88	5.4	35.46	29.28	1.000
12.01	10.56	126.9	65.09	5.1	35.41	27.90	1.000
12.01	11.04	132.7	68.29	4.9	35.18	26.51	1.000
12.01	11.53	138.5	71.50	4.6	34.76	25.09	1.000
12.01	12.01	144.3	74.70	4.3	34.16	23.67	1.000
12.01	12.49	150.1	77.91	4.0	33.37	22.23	1.000
12.01	12.98	155.9	81.11	3.8	32.39	20.78	1.000
12.01	13.46	161.7	84.31	3.5	31.23	19.31	1.000
12.01	13.94	167.5	87.52	3.2	29.89	17.84	1.000
12.01	14.42	173.3	90.72	2.9	28.36	16.36	1.000
12.01	14.91	179.1	93.93	2.7	26.64	14.87	1.000
12.01	15.39	184.9	97.13	2.4	24.74	13.38	1.000
12.01	15.87	190.7	100.34	2.1	22.65	11.88	1.000
12.01	16.35	196.5	103.54	1.8	20.38	10.37	1.000
12.00	16.84	202.3	106.75	1.6	17.92	8.855	1.000
12.00	17.32	208.1	109.95	1.3	15.27	7.338	1.000
12.00	17.80	213.9	113.16	1.0	12.44	5.817	1.000
12.00	18.29	219.7	116.36	0.7	9.429	4.291	1.000
12.00	18.77	225.5	119.56	0.4	6.228	2.761	1.000
12.00	19.25	231.3	122.77	0.2	2.842	1.228	1.000
12.00	19.64	236.0	125.33	0.0	0.000	0.000	1.000

	U(V)	I(A)	P1(W)	T(N.m)	n(r/min)	P2(W)	EFF(%)	P.F
No Load Point	12.02	0.424	5.112	0.00	11.0	0.000	0.000	1.000
Stall Point	12.00	19.64	236.0	125.3	0	0	0.000	1.000
Max Torque	12.00	19.64	236.0	125.33	0.0	0.000	0.000	1.000
Max Output Power	12.01	10.18	122.3	62.52	5.4	35.47	29.00	1.000
Max Efficiency	12.02	3.900	46.88	20.87	9.0	19.69	42.00	1.000
Rated Point	12.02	3.011	36.20	15.00	9.6	15.02	41.49	1.000