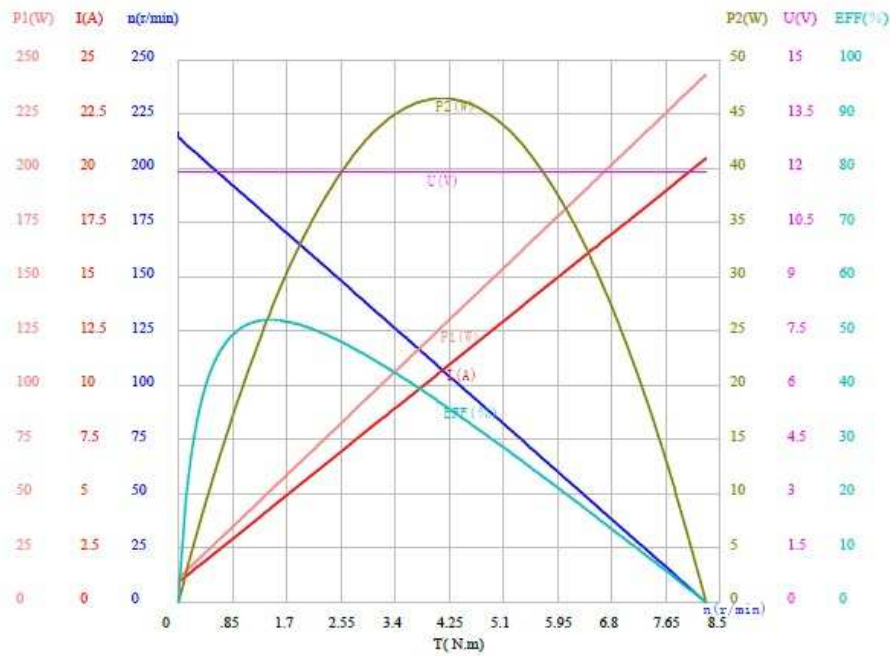


AM-3654 Technical Information

PG27 Gear motor with 27:1 ratio gearbox, 12 volt DC motor and encoder

Date: 4/23/2020



U(V)	I(A)	P1(W)	T(N.m)	n(r/min)	P2(W)	EFF(%)	P.F
11.89	0.708	8.431	0.00	216.6	0.000	0.000	1.000
11.89	1.205	14.33	0.12	211.1	2.724	19.01	1.000
11.89	1.701	20.23	0.33	205.7	7.183	35.51	1.000
11.89	2.198	26.13	0.54	200.2	11.40	43.64	0.999
11.89	2.694	32.03	0.75	194.8	15.38	48.02	0.999
11.89	3.190	37.94	0.96	189.3	19.12	50.41	0.999
11.89	3.687	43.84	1.17	183.9	22.63	51.61	0.999
11.89	4.183	49.74	1.38	178.5	25.89	52.05	0.999
11.89	4.680	55.64	1.60	173.0	28.91	51.96	0.999
11.89	5.176	61.54	1.81	167.6	31.69	51.50	0.999
11.89	5.673	67.44	2.02	162.1	34.23	50.76	0.999
11.89	6.169	73.34	2.23	156.7	36.54	49.82	0.999
11.89	6.666	79.24	2.44	151.2	38.60	48.71	0.999
11.89	7.162	85.14	2.65	145.8	40.42	47.47	0.999
11.89	7.658	91.04	2.86	140.4	42.00	46.14	0.999
11.89	8.155	96.94	3.07	134.9	43.35	44.71	0.999
11.89	8.651	102.84	3.28	129.5	44.45	43.22	0.999
11.89	9.148	108.74	3.49	124.0	45.32	41.67	0.999
11.89	9.644	114.64	3.70	118.6	45.94	40.07	0.999
11.89	10.14	120.54	3.91	113.1	46.33	38.43	0.999
11.89	10.64	126.44	4.12	107.7	46.47	36.75	0.999
11.89	11.13	132.34	4.33	102.3	46.38	35.04	0.999
11.89	11.63	138.24	4.54	96.8	46.04	33.31	0.999
11.89	12.13	144.2	4.75	91.4	45.47	31.54	0.999
11.89	12.62	150.1	4.96	85.9	44.66	29.76	0.999
11.89	13.12	156.0	5.17	80.5	43.61	27.96	0.999
11.89	13.62	161.9	5.38	75.1	42.31	26.14	0.999
11.89	14.11	167.8	5.59	69.6	40.78	24.31	0.999
11.89	14.61	173.7	5.80	64.2	39.01	22.46	0.999
11.89	15.11	179.6	6.01	58.7	37.00	20.60	0.999
11.89	15.60	185.5	6.22	53.3	34.75	18.74	0.999
11.89	16.10	191.4	6.43	47.8	32.25	16.86	0.999
11.89	16.60	197.3	6.64	42.4	29.52	14.97	0.999
11.89	17.09	203.2	6.85	37.0	26.55	13.07	0.999
11.89	17.59	209.1	7.06	31.5	23.34	11.17	0.999
11.89	18.08	215.0	7.27	26.1	19.89	9.254	0.999
11.89	18.58	220.9	7.48	20.6	16.21	7.337	0.999
11.89	19.08	226.8	7.69	15.2	12.28	5.413	0.999
11.89	19.57	232.7	7.90	9.7	8.107	3.484	0.999
11.89	20.07	238.6	8.11	4.3	3.699	1.550	0.999
11.89	20.47	243.3	8.28	0.0	0.000	0.000	0.999

	U(V)	I(A)	P1(W)	T(N.m)	n(r/min)	P2(W)	EFF(%)	P.F
No Load Point	11.89	0.708	8.431	0.00	216.6	0.000	0.000	1.000
Stall Point	11.89	20.47	243.3	8.282	0	0	0.000	0.999
Max Torque	11.89	20.47	243.3	8.28	0.0	0.000	0.000	0.999
Max Output Power	11.89	10.74	127.6	4.16	106.6	46.47	36.41	0.999
Max Efficiency	11.89	4.283	50.92	1.43	177.4	26.51	52.07	0.999
Rated Point	11.89	4.220	50.18	1.40	178.1	26.11	52.03	1.000