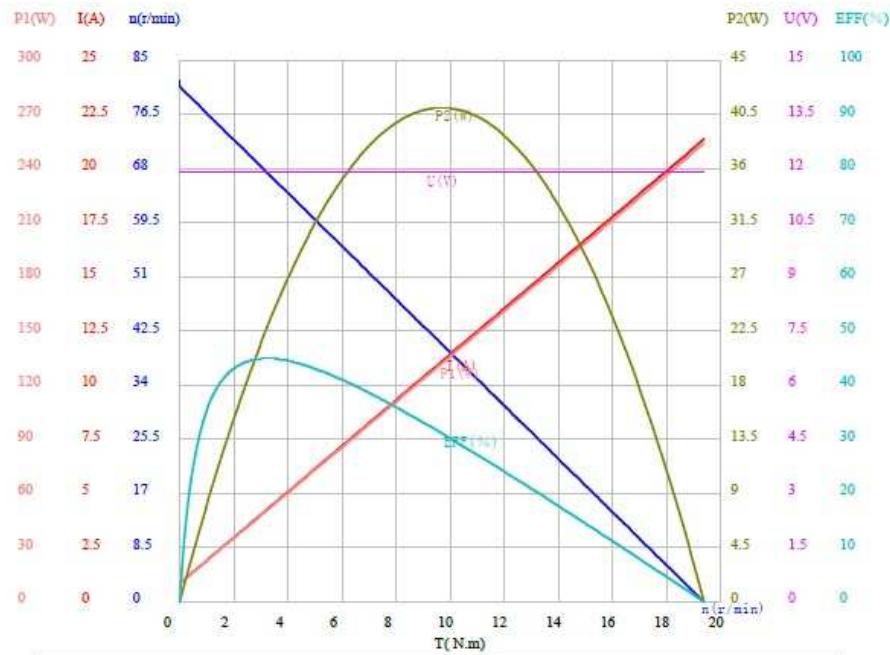


AM-3655 Technical Information

PG71 Gear motor with 71:1 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
11.90	0.624	7.428	0.00	81.8	0.000	0.000	0.999
11.90	1.145	13.62	0.28	79.7	2.326	17.08	0.999
11.90	1.666	19.82	0.77	77.6	6.273	31.65	0.999
11.90	2.187	26.02	1.26	75.6	10.01	38.47	0.999
11.90	2.708	32.21	1.76	73.5	13.53	42.00	0.999
11.89	3.229	38.41	2.25	71.5	16.84	43.85	0.999
11.89	3.750	44.61	2.74	69.4	19.94	44.70	0.999
11.89	4.271	50.80	3.23	67.4	22.83	44.93	0.999
11.89	4.792	57.00	3.73	65.3	25.50	44.74	0.999
11.89	5.313	63.20	4.22	63.3	27.96	44.25	1.000
11.89	5.834	69.39	4.71	61.2	30.22	43.54	1.000
11.89	6.355	75.59	5.20	59.1	32.25	42.67	1.000
11.89	6.876	81.78	5.70	57.1	34.08	41.67	1.000
11.89	7.397	87.98	6.19	55.0	35.70	40.57	1.000
11.89	7.918	94.18	6.68	53.0	37.10	39.39	1.000
11.89	8.439	100.4	7.17	50.9	38.29	38.15	1.000
11.89	8.960	106.6	7.67	48.9	39.27	36.85	1.000
11.89	9.481	112.8	8.16	46.8	40.03	35.50	1.000
11.89	10.00	119.0	8.65	44.8	40.59	34.12	1.000
11.89	10.52	125.2	9.14	42.7	40.93	32.70	1.000
11.89	11.04	131.4	9.64	40.6	41.06	31.26	1.000
11.89	11.57	137.6	10.13	38.6	40.98	29.79	1.000
11.89	12.09	143.7	10.62	36.5	40.69	28.31	1.000
11.89	12.61	149.9	11.11	34.5	40.18	26.80	1.000
11.89	13.13	156.1	11.61	32.4	39.47	25.28	1.000
11.89	13.65	162.3	12.10	30.4	38.54	23.74	1.000
11.89	14.17	168.5	12.59	28.3	37.40	22.19	1.000
11.89	14.69	174.7	13.08	26.3	36.04	20.63	1.000
11.89	15.21	180.9	13.58	24.2	34.48	19.06	1.000
11.89	15.73	187.1	14.07	22.1	32.70	17.48	1.000
11.89	16.25	193.3	14.56	20.1	30.71	15.89	1.000
11.89	16.77	199.5	15.05	18.0	28.51	14.29	1.000
11.89	17.30	205.7	15.55	16.0	26.10	12.69	1.000
11.89	17.82	211.9	16.04	13.9	23.47	11.08	1.000
11.89	18.34	218.1	16.53	11.9	20.64	9.461	1.000
11.89	18.86	224.3	17.02	9.8	17.59	7.840	1.000
11.89	19.38	230.5	17.52	7.8	14.33	6.214	1.000
11.89	19.90	236.7	18.01	5.7	10.85	4.584	1.000
11.89	20.42	242.9	18.50	3.6	7.167	2.950	1.000
11.88	20.94	249.1	18.99	1.6	3.270	1.312	1.000
11.88	21.36	254.0	19.39	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	11.90	0.624	7.428	0.00	81.8	0.000	0.000	0.999
Stall Point	11.88	21.36	254.0	19.39	0	0	0.000	1.000
Max Torque	11.88	21.36	254.0	19.39	0.0	0.000	0.000	1.000
Max Output Power	11.89	11.04	131.4	9.64	40.6	41.06	31.26	1.000
Max Efficiency	11.89	4.271	50.80	3.23	67.4	22.83	44.93	0.999
Rated Point	11.89	3.495	41.58	2.50	70.4	18.44	44.34	1.000