

UU MOTOR
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	Torque(N.m)	Speed(r/min)	output power(W)	voltage(V)	current(A)	input power(W)	eff(%)
Max Torque	20.05	128.8	270.44	36.11	15.75	568.73	47.6
Max Speed	0.13	561.9	7.65	36.1	2.28	82.16	9.3
Max output power	9.15	469.2	449.59	36.12	16.33	589.86	76.2
Voltage	7.34	489.2	376.03	36.12	13.74	496.2	75.8
Max Current	9.15	469.2	449.59	36.12	16.33	589.86	76.2
Max input power	9.15	469.2	449.59	36.12	16.33	589.86	76.2
Max efficiency	8.25	481.5	416	36.11	15	541.78	76.8
1	0.1	561.5	5.88	36.1	2.25	81.14	7.2
2	0.1	561.6	5.88	36.09	2.24	80.95	7.3
3	0.1	561.7	5.88	36.1	2.24	80.93	7.3
4	0.1	561.8	5.88	36.1	2.24	80.92	7.3
5	0.08	561.8	4.71	36.09	2.24	81.03	5.8
6	0.1	561.7	5.88	36.1	2.25	81.26	7.2
7	0.1	561.7	5.88	36.1	2.25	81.29	7.2
8	0.08	561.7	4.71	36.09	2.26	81.55	5.8
9	0.11	561.7	6.47	36.1	2.25	81.33	8
10	0.1	561.6	5.88	36.1	2.26	81.76	7.2
11	0.11	561.7	6.47	36.1	2.26	81.76	7.9
12	0.11	561.8	6.47	36.1	2.28	82.13	7.9
13	0.13	561.9	7.65	36.1	2.28	82.16	9.3
14	0.13	561.7	7.65	36.1	2.27	81.89	9.3
15	0.13	561.6	7.65	36.11	2.29	82.84	9.2
16	0.13	561.6	7.65	36.11	2.29	82.57	9.3
17	0.13	561.6	7.65	36.11	2.3	82.99	9.2
18	0.13	561.4	7.64	36.11	2.3	82.97	9.2
19	0.14	561.6	8.23	36.11	2.31	83.56	9.9
20	0.15	561.6	8.82	36.11	2.32	83.66	10.5
21	0.15	561.7	8.82	36.11	2.33	84.17	10.5
22	0.17	561.6	10	36.1	2.34	84.55	11.8
23	0.15	561.4	8.82	36.1	2.33	84.21	10.5
24	0.17	561.5	10	36.09	2.33	84.27	11.9
25	0.17	561.4	9.99	36.1	2.35	84.86	11.8
26	0.18	561.2	10.58	36.1	2.38	85.88	12.3
27	0.18	561.1	10.58	36.09	2.39	86.25	12.3
28	0.2	561	11.75	36.1	2.4	86.53	13.6
29	0.21	561	12.34	36.1	2.41	87.05	14.2
30	0.23	561.1	13.51	36.1	2.41	86.99	15.5
31	0.23	561	13.51	36.11	2.44	88.07	15.3
32	0.24	560.9	14.1	36.1	2.45	88.51	15.9
33	0.23	560.8	13.51	36.1	2.46	88.81	15.2
34	0.24	560.6	14.09	36.1	2.48	89.41	15.8
35	0.27	560.6	15.85	36.1	2.49	89.9	17.6
36	0.28	560.4	16.43	36.1	2.51	90.75	18.1

37	0.28	560.3	16.43	36.09	2.53	91.39	18
38	0.31	560.3	18.19	36.1	2.55	92.13	19.7
39	0.32	560.2	18.77	36.1	2.57	92.88	20.2
40	0.32	560.1	18.77	36.1	2.59	93.52	20.1
41	0.34	560	19.94	36.1	2.62	94.43	21.1
42	0.35	559.8	20.52	36.1	2.63	95.01	21.6
43	0.37	559.6	21.68	36.1	2.65	95.74	22.6
44	0.39	559.5	22.85	36.09	2.68	96.7	23.6
45	0.41	559.4	24.02	36.1	2.7	97.6	24.6
46	0.42	559.4	24.6	36.1	2.73	98.42	25
47	0.42	559.1	24.59	36.1	2.74	98.77	24.9
48	0.44	559.1	25.76	36.1	2.76	99.66	25.9
49	0.45	558.9	26.34	36.1	2.8	101.01	26.1
50	0.46	558.7	26.91	36.09	2.82	101.65	26.5
51	0.49	558.4	28.65	36.1	2.85	102.86	27.9
52	0.51	558.5	29.83	36.1	2.88	103.81	28.7
53	0.52	558.2	30.4	36.1	2.9	104.55	29.1
54	0.52	558.2	30.4	36.09	2.93	105.79	28.7
55	0.55	557.9	32.13	36.1	2.95	106.46	30.2
56	0.58	557.7	33.87	36.11	2.99	107.82	31.4
57	0.6	557.4	35.02	36.11	3.02	109.02	32.1
58	0.6	557.5	35.03	36.11	3.05	110.04	31.8
59	0.63	557.2	36.76	36.1	3.08	111.06	33.1
60	0.65	556.9	37.91	36.1	3.11	112.28	33.8
61	0.66	556.7	38.48	36.1	3.15	113.71	33.8
62	0.67	556.4	39.04	36.1	3.18	114.82	34
63	0.7	556.2	40.77	36.1	3.21	115.97	35.2
64	0.74	556.2	43.1	36.09	3.25	117.21	36.8
65	0.76	556	44.25	36.1	3.29	118.74	37.3
66	0.77	555.8	44.82	36.1	3.32	119.85	37.4
67	0.79	555.4	45.95	36.1	3.36	121.31	37.9
68	0.83	555.1	48.25	36.1	3.39	122.27	39.5
69	0.86	555.1	49.99	36.1	3.42	123.51	40.5
70	0.87	555	50.57	36.1	3.46	124.97	40.5
71	0.88	554.6	51.11	36.1	3.5	126.47	40.4
72	0.91	554.3	52.82	36.1	3.53	127.42	41.5
73	0.94	554	54.54	36.1	3.57	129.04	42.3
74	0.96	554	55.7	36.1	3.6	129.79	42.9
75	0.97	553.7	56.25	36.1	3.64	131.55	42.8
76	1	553.3	57.94	36.1	3.69	133.25	43.5
77	1.04	553	60.23	36.1	3.73	134.48	44.8
78	1.05	552.9	60.8	36.1	3.76	135.87	44.7
79	1.08	552.8	62.52	36.1	3.82	137.76	45.4
80	1.1	552.4	63.63	36.1	3.86	139.21	45.7
81	1.12	551.9	64.73	36.09	3.89	140.49	46.1
82	1.17	551.8	67.61	36.1	3.93	141.73	47.7
83	1.19	551.6	68.74	36.1	3.99	143.96	47.7
84	1.22	551.2	70.42	36.1	4.02	145.27	48.5
85	1.25	550.8	72.1	36.1	4.08	147.15	49
86	1.29	550.5	74.37	36.1	4.12	148.7	50
87	1.31	550.3	75.49	36.1	4.18	150.83	50.1

88	1.33	550	76.6	36.09	4.22	152.22	50.3
89	1.36	549.5	78.26	36.1	4.25	153.53	51
90	1.4	549.2	80.52	36.1	4.32	156	51.6
91	1.42	549	81.64	36.1	4.36	157.5	51.8
92	1.45	548.5	83.29	36.1	4.41	159.03	52.4
93	1.49	548.3	85.56	36.1	4.46	161.17	53.1
94	1.52	548.1	87.25	36.1	4.52	163.11	53.5
95	1.54	547.7	88.33	36.1	4.56	164.65	53.6
96	1.59	547.3	91.13	36.1	4.61	166.33	54.8
97	1.6	547.1	91.67	36.1	4.67	168.47	54.4
98	1.64	546.7	93.89	36.1	4.7	169.81	55.3
99	1.69	546.2	96.67	36.09	4.75	171.65	56.3
100	1.7	546	97.2	36.1	4.81	173.57	56
101	1.73	545.6	98.85	36.1	4.86	175.54	56.3
102	1.78	545.2	101.63	36.1	4.92	177.7	57.2
103	1.81	545	103.3	36.1	4.99	180.06	57.4
104	1.84	544.7	104.96	36.1	5.02	181.33	57.9
105	1.88	544.1	107.12	36.1	5.1	184.18	58.2
106	1.9	543.9	108.22	36.1	5.17	186.49	58
107	1.92	543.5	109.28	36.1	5.22	188.3	58
108	1.98	543.1	112.61	36.1	5.27	190.24	59.2
109	1.99	542.8	113.12	36.1	5.32	191.99	58.9
110	2.04	542.4	115.88	36.1	5.37	193.87	59.8
111	2.11	542	119.76	36.1	5.44	196.25	61
112	2.12	541.8	120.29	36.1	5.49	198.32	60.7
113	2.16	541.1	122.4	36.1	5.56	200.73	61
114	2.18	541	123.51	36.1	5.62	203.03	60.8
115	2.22	540.4	125.63	36.1	5.67	204.66	61.4
116	2.27	540	128.37	36.1	5.74	207.14	62
117	2.3	539.7	129.99	36.1	5.8	209.52	62
118	2.34	539.1	132.11	36.1	5.86	211.5	62.5
119	2.37	538.8	133.73	36.1	5.91	213.54	62.6
120	2.43	538.2	136.96	36.1	5.98	216.06	63.4
121	2.47	537.9	139.14	36.1	6.06	218.71	63.6
122	2.5	537.4	140.7	36.1	6.13	221.32	63.6
123	2.56	537	143.96	36.11	6.2	223.73	64.3
124	2.58	536.7	145.01	36.11	6.25	225.65	64.3
125	2.64	536.2	148.24	36.11	6.32	228.19	65
126	2.65	535.8	148.69	36.11	6.39	230.89	64.4
127	2.71	535.3	151.92	36.11	6.45	232.95	65.2
128	2.74	535.1	153.54	36.11	6.52	235.49	65.2
129	2.81	534.5	157.29	36.11	6.59	238.12	66.1
130	2.82	534.1	157.73	36.11	6.65	240	65.7
131	2.89	533.5	161.46	36.11	6.73	242.96	66.5
132	2.92	533.2	163.05	36.11	6.8	245.47	66.4
133	2.99	532.7	166.8	36.11	6.88	248.33	67.2
134	3	532.3	167.23	36.11	6.96	251.21	66.6
135	3.06	531.7	170.38	36.11	7	252.92	67.4
136	3.1	531.4	172.51	36.11	7.08	255.62	67.5
137	3.17	530.9	176.24	36.11	7.12	257.16	68.5
138	3.17	530.4	176.08	36.1	7.24	261.3	67.4

139	3.24	530	179.83	36.1	7.3	263.7	68.2
140	3.3	529.2	182.88	36.1	7.38	266.42	68.6
141	3.3	529	182.82	36.1	7.43	268.09	68.2
142	3.38	528.4	187.03	36.1	7.52	271.48	68.9
143	3.4	528.1	188.03	36.1	7.59	273.98	68.6
144	3.45	527.6	190.62	36.1	7.65	276.23	69
145	3.5	527.2	193.23	36.1	7.7	277.88	69.5
146	3.54	526.9	195.33	36.1	7.78	280.84	69.6
147	3.59	526.1	197.79	36.1	7.86	283.95	69.7
148	3.62	526	199.41	36.1	7.92	285.85	69.8
149	3.68	525.4	202.48	36.1	7.99	288.3	70.2
150	3.72	524.9	204.49	36.1	8.06	290.91	70.3
151	3.76	524.4	206.49	36.1	8.15	294.18	70.2
152	3.83	523.8	210.09	36.1	8.22	296.63	70.8
153	3.86	523.3	211.53	36.1	8.29	299.43	70.6
154	3.93	522.8	215.16	36.1	8.38	302.66	71.1
155	3.99	522.2	218.2	36.1	8.45	305.19	71.5
156	4	521.7	218.54	36.1	8.55	308.82	70.8
157	4.07	521.1	222.1	36.1	8.62	311.11	71.4
158	4.16	520.5	226.75	36.1	8.69	313.86	72.2
159	4.17	520.1	227.13	36.1	8.78	317.16	71.6
160	4.23	519.6	230.17	36.1	8.86	319.79	72
161	4.32	519	234.8	36.1	8.94	322.89	72.7
162	4.35	518.4	236.15	36.11	9	325.22	72.6
163	4.37	518.2	237.15	36.1	9.12	329.14	72.1
164	4.42	517.4	239.49	36.1	9.18	331.6	72.2
165	4.51	516.9	244.13	36.1	9.24	333.75	73.1
166	4.53	516.5	245.03	36.1	9.34	337.35	72.6
167	4.56	516	246.41	36.1	9.42	339.98	72.5
168	4.63	515.5	249.95	36.1	9.49	342.49	73
169	4.72	515	254.56	36.1	9.57	345.53	73.7
170	4.73	514.5	254.85	36.1	9.65	348.37	73.2
171	4.77	514	256.76	36.1	9.74	351.59	73
172	4.8	513.5	258.12	36.1	9.82	354.65	72.8
173	4.9	512.8	263.14	36.1	9.89	357.15	73.7
174	4.96	512.3	266.1	36.1	9.96	359.73	74
175	4.98	511.9	266.97	36.1	10.06	363.35	73.5
176	5.03	511.4	269.38	36.1	10.15	366.4	73.5
177	5.07	510.9	271.26	36.1	10.24	369.65	73.4
178	5.15	510.3	275.22	36.1	10.29	371.35	74.1
179	5.22	509.7	278.63	36.1	10.39	375.14	74.3
180	5.25	509.4	280.07	36.1	10.46	377.63	74.2
181	5.31	508.8	282.93	36.1	10.54	380.53	74.4
182	5.32	508.4	283.24	36.1	10.62	383.57	73.8
183	5.38	507.9	286.16	36.1	10.7	386.32	74.1
184	5.43	507.4	288.53	36.1	10.78	389.41	74.1
185	5.52	506.7	292.91	36.1	10.88	392.65	74.6
186	5.59	506.2	296.33	36.1	10.94	395.14	75
187	5.66	505.6	299.69	36.1	11.05	398.85	75.1
188	5.7	505.1	301.5	36.1	11.13	401.81	75
189	5.73	504.7	302.85	36.1	11.19	403.86	75

190	5.78	504.1	305.13	36.1	11.27	407.04	75
191	5.8	503.7	305.94	36.1	11.38	410.85	74.5
192	5.87	503.2	309.33	36.1	11.43	412.71	75
193	5.91	502.8	311.19	36.1	11.52	416.09	74.8
194	5.97	502.1	313.91	36.1	11.6	418.92	74.9
195	6.04	501.7	317.34	36.1	11.69	421.99	75.2
196	6.08	501.2	319.12	36.1	11.77	425.08	75.1
197	6.14	500.6	321.89	36.11	11.87	428.59	75.1
198	6.19	500.1	324.18	36.11	11.93	430.96	75.2
199	6.26	499.5	327.46	36.11	12.04	434.96	75.3
200	6.3	499	329.22	36.11	12.11	437.34	75.3
201	6.37	498.4	332.48	36.11	12.2	440.46	75.5
202	6.4	497.9	333.71	36.11	12.28	443.53	75.2
203	6.47	497.5	337.09	36.11	12.37	446.79	75.4
204	6.54	496.9	340.32	36.11	12.44	449.46	75.7
205	6.58	496.4	342.06	36.11	12.56	453.55	75.4
206	6.65	495.9	345.35	36.11	12.61	455.6	75.8
207	6.68	495.4	346.56	36.11	12.71	459.04	75.5
208	6.71	494.9	347.76	36.11	12.8	462.13	75.3
209	6.78	494.4	351.03	36.11	12.88	465.02	75.5
210	6.84	493.9	353.78	36.11	12.95	467.86	75.6
211	6.89	493.4	356.01	36.11	13.04	471.1	75.6
212	6.96	492.9	359.26	36.11	13.14	474.6	75.7
213	7.03	492.4	362.51	36.11	13.22	477.32	75.9
214	7.1	491.8	365.67	36.11	13.3	480.48	76.1
215	7.17	491.4	368.97	36.11	13.38	483.3	76.3
216	7.23	490.8	371.61	36.11	13.46	486.3	76.4
217	7.27	490.2	373.21	36.11	13.55	489.22	76.3
218	7.31	489.7	374.88	36.11	13.64	492.74	76.1
219	7.34	489.2	376.03	36.12	13.74	496.2	75.8
220	7.38	488.7	377.69	36.11	13.81	498.7	75.7
221	7.47	488.2	381.91	36.11	13.89	501.51	76.2
222	7.54	487.8	385.17	36.11	13.97	504.55	76.3
223	7.64	487.2	389.8	36.11	14.08	508.42	76.7
224	7.67	486.6	390.85	36.11	14.15	511.11	76.5
225	7.71	486	392.4	36.11	14.24	514.39	76.3
226	7.74	485.5	393.53	36.11	14.34	517.82	76
227	7.81	485.2	396.84	36.11	14.4	520.14	76.3
228	7.9	484.6	400.92	36.11	14.5	523.7	76.6
229	7.96	484	403.46	36.11	14.57	526.35	76.7
230	8	483.5	405.07	36.11	14.68	530.19	76.4
231	8.02	483.1	405.75	36.11	14.75	532.78	76.2
232	8.09	482.6	408.86	36.11	14.83	535.75	76.3
233	8.18	482.1	412.98	36.11	14.93	539.28	76.6
234	8.25	481.5	416	36.11	15	541.78	76.8
235	8.27	481.1	416.66	36.11	15.08	544.85	76.5
236	8.3	480.6	417.74	36.11	15.18	548.15	76.2
237	8.4	480	422.24	36.11	15.28	551.8	76.5
238	8.47	479.6	425.41	36.11	15.36	554.63	76.7
239	8.48	479.1	425.47	36.11	15.45	557.89	76.3
240	8.55	478.5	428.44	36.11	15.52	560.7	76.4

241	8.65	478.1	433.09	36.11	15.62	564.21	76.8
242	8.68	477.5	434.05	36.11	15.7	567.16	76.5
243	8.69	477	434.09	36.11	15.79	570.43	76.1
244	8.77	476.5	437.63	36.11	15.88	573.62	76.3
245	8.87	476	442.15	36.11	15.95	576.04	76.8
246	8.86	475.5	441.19	36.11	16.05	579.82	76.1
247	8.94	474.9	444.61	36.11	16.13	582.45	76.3
248	9.04	474.5	449.21	36.11	16.21	585.67	76.7
249	9.03	473	447.29	36.12	16.3	588.86	76
250	9.15	469.2	449.59	36.12	16.33	589.86	76.2
251	9.18	465.8	447.8	36.11	16.32	589.32	76
252	9.24	462.5	447.53	36.12	16.3	588.88	76
253	9.29	460.2	447.72	36.12	16.3	588.93	76
254	9.36	456.7	447.66	36.11	16.32	589.54	75.9
255	9.36	453.6	444.62	36.11	16.27	587.76	75.6
256	9.49	450.7	447.92	36.11	16.27	587.52	76.2
257	9.53	447.6	446.71	36.12	16.26	587.42	76
258	9.55	444.8	444.85	36.12	16.26	587.2	75.8
259	9.6	441.9	444.26	36.11	16.25	586.83	75.7
260	9.67	439	444.56	36.11	16.24	586.61	75.8
261	9.77	436.6	446.7	36.12	16.25	587	76.1
262	9.81	434.7	446.58	36.12	16.26	587.47	76
263	9.86	431.8	445.86	36.11	16.27	587.75	75.9
264	9.9	428.9	444.67	36.11	16.26	587.24	75.7
265	9.95	425.8	443.68	36.1	16.23	586.04	75.7
266	10.04	423.2	444.96	36.11	16.22	585.56	76
267	10.08	420.8	444.2	36.11	16.22	585.57	75.9
268	10.14	418.3	444.19	36.1	16.21	585.31	75.9
269	10.18	415.5	442.96	36.1	16.21	585.29	75.7
270	10.19	413	440.72	36.1	16.2	584.97	75.3
271	10.26	410.5	441.07	36.11	16.2	584.83	75.4
272	10.37	407.8	442.86	36.1	16.2	585.07	75.7
273	10.4	405.3	441.42	36.11	16.19	584.59	75.5
274	10.4	402.9	438.81	36.1	16.18	584.21	75.1
275	10.53	400.6	441.75	36.11	16.18	584.36	75.6
276	10.54	397.9	439.19	36.11	16.17	583.86	75.2
277	10.59	395.5	438.62	36.11	16.18	584.23	75.1
278	10.67	393.1	439.25	36.11	16.18	584.23	75.2
279	10.7	390.7	437.79	36.11	16.17	583.73	75
280	10.77	387.9	437.5	36.11	16.18	584.15	74.9
281	10.84	385.4	437.51	36.11	16.16	583.73	74.9
282	10.85	383.2	435.41	36.1	16.15	583.15	74.7
283	10.98	380.9	437.98	36.11	16.15	583.23	75.1
284	10.99	379	436.19	36.1	16.15	583.14	74.8
285	11.02	376.9	434.96	36.1	16.15	583	74.6
286	11.13	374.5	436.5	36.11	16.15	583.14	74.9
287	11.19	372.2	436.16	36.1	16.15	583.09	74.8
288	11.2	370.2	434.21	36.1	16.13	582.53	74.5
289	11.25	368.1	433.67	36.11	16.14	582.8	74.4
290	11.29	365.8	432.49	36.11	16.14	582.78	74.2
291	11.36	363.6	432.56	36.12	16.13	582.55	74.3

292	11.44	361.4	432.97	36.12	16.13	582.7	74.3
293	11.5	359.1	432.47	36.11	16.12	582.33	74.3
294	11.54	357.3	431.8	36.12	16.12	582.3	74.2
295	11.62	355	431.99	36.11	16.11	581.7	74.3
296	11.67	352.5	430.8	36.1	16.12	582.07	74
297	11.69	350.9	429.58	36.11	16.11	581.87	73.8
298	11.74	348.7	428.71	36.11	16.11	581.6	73.7
299	11.79	346.5	427.82	36.1	16.11	581.55	73.6
300	11.83	344.6	426.92	36.1	16.11	581.57	73.4
301	11.92	342.6	427.67	36.11	16.09	581.19	73.6
302	11.99	340.2	427.16	36.11	16.09	581.14	73.5
303	12	338.6	425.51	36.1	16.09	581.16	73.2
304	12.05	336.6	424.76	36.11	16.09	580.87	73.1
305	12.14	334	424.63	36.11	16.1	581.23	73.1
306	12.2	332.4	424.68	36.11	16.09	580.96	73.1
307	12.21	330.5	422.6	36.11	16.08	580.82	72.8
308	12.3	328.7	423.4	36.11	16.08	580.62	72.9
309	12.33	326.8	421.98	36.11	16.08	580.76	72.7
310	12.4	324.8	421.77	36.1	16.08	580.75	72.6
311	12.45	323.2	421.39	36.11	16.07	580.41	72.6
312	12.48	321.3	419.92	36.11	16.08	580.69	72.3
313	12.58	319.5	420.91	36.1	16.07	580.43	72.5
314	12.61	317.7	419.54	36.12	16.06	580.15	72.3
315	12.66	316.1	419.08	36.12	16.07	580.38	72.2
316	12.72	314.4	418.8	36.12	16.06	580.09	72.2
317	12.72	313	416.94	36.12	16.06	579.98	71.9
318	12.86	311	418.84	36.12	16.05	579.92	72.2
319	12.86	309.2	416.41	36.12	16.05	579.83	71.8
320	12.89	307.8	415.49	36.12	16.05	579.93	71.6
321	13.03	305.9	417.41	36.12	16.05	579.88	72
322	13.04	304.1	415.28	36.12	16.05	579.65	71.6
323	13.07	302.2	413.63	36.12	16.04	579.34	71.4
324	13.11	300.7	412.84	36.12	16.05	579.76	71.2
325	13.24	298.8	414.3	36.12	16.02	578.6	71.6
326	13.25	296.4	411.28	36.12	16.04	579.25	71
327	13.29	295.1	410.71	36.12	16.03	579.07	70.9
328	13.31	293.6	409.24	36.12	16.02	578.8	70.7
329	13.39	291.8	409.17	36.12	16.04	579.32	70.6
330	13.41	290	407.26	36.12	16.04	579.4	70.3
331	13.46	288.5	406.66	36.12	16.01	578.36	70.3
332	13.52	286.9	406.21	36.12	16.01	578.38	70.2
333	13.59	285.1	405.75	36.12	16.02	578.83	70.1
334	13.65	283.8	405.68	36.12	16.02	578.75	70.1
335	13.69	281.9	404.15	36.12	16.02	578.72	69.8
336	13.73	280.5	403.32	36.12	16.02	578.75	69.7
337	13.8	278.8	402.92	36.11	16.01	578.16	69.7
338	13.86	277.2	402.35	36.11	16.01	578.05	69.6
339	13.93	275.8	402.33	36.11	16	577.7	69.6
340	14.01	274.3	402.44	36.11	16.01	578.06	69.6
341	14.07	272.8	401.96	36.11	16.01	578.11	69.5
342	14.12	271.3	401.17	36.11	16	577.66	69.4

343	14.14	270	399.81	36.11	16.01	578.12	69.2
344	14.22	268	399.1	36.11	15.99	577.66	69.1
345	14.33	266.5	399.93	36.11	16	577.93	69.2
346	14.36	265.1	398.66	36.11	15.99	577.59	69
347	14.36	263.8	396.71	36.11	15.98	577.17	68.7
348	14.46	261.9	396.59	36.11	15.98	577.23	68.7
349	14.52	260.4	395.96	36.11	15.99	577.45	68.6
350	14.54	259.1	394.52	36.11	15.97	576.83	68.4
351	14.63	257.6	394.67	36.11	15.97	576.67	68.4
352	14.63	256.3	392.68	36.11	15.98	576.98	68.1
353	14.73	254.7	392.89	36.11	15.98	576.88	68.1
354	14.75	253.4	391.42	36.11	15.96	576.25	67.9
355	14.78	251.9	389.89	36.11	15.96	576.46	67.6
356	14.88	250.5	390.35	36.11	15.95	576.12	67.8
357	14.87	248.8	387.44	36.11	15.94	575.56	67.3
358	15.01	247.4	388.89	36.11	15.97	576.51	67.5
359	15.01	245.7	386.21	36.11	15.95	576.1	67
360	15.08	244.2	385.65	36.11	15.95	576.01	67
361	15.15	243	385.53	36.11	15.94	575.63	67
362	15.16	241.5	383.41	36.11	15.95	575.84	66.6
363	15.26	240.1	383.7	36.11	15.95	575.86	66.6
364	15.27	239.3	382.67	36.11	15.92	574.94	66.6
365	15.33	237.9	381.93	36.11	15.93	575.37	66.4
366	15.41	236.6	381.82	36.11	15.94	575.48	66.3
367	15.44	234.7	379.49	36.11	15.93	575.23	66
368	15.46	234.1	379.01	36.11	15.92	574.88	65.9
369	15.55	232	377.8	36.11	15.92	574.89	65.7
370	15.58	230.9	376.73	36.11	15.91	574.53	65.6
371	15.64	229.8	376.38	36.11	15.92	575.05	65.5
372	15.65	228.6	374.66	36.11	15.92	574.99	65.2
373	15.72	227.4	374.36	36.11	15.92	574.73	65.1
374	15.81	226.1	374.35	36.11	15.92	575	65.1
375	15.85	224.8	373.14	36.11	15.91	574.72	64.9
376	15.85	224	371.81	36.11	15.91	574.54	64.7
377	15.91	223	371.55	36.11	15.91	574.69	64.7
378	15.93	221.5	369.51	36.11	15.91	574.64	64.3
379	15.96	220.2	368.04	36.11	15.91	574.66	64
380	16.05	219.1	368.26	36.12	15.91	574.74	64.1
381	16.12	217.6	367.34	36.12	15.9	574.42	63.9
382	16.16	216.3	366.05	36.12	15.91	574.86	63.7
383	16.23	215.1	365.6	36.12	15.91	574.77	63.6
384	16.27	214	364.62	36.12	15.9	574.22	63.5
385	16.34	212.8	364.14	36.12	15.9	574.24	63.4
386	16.38	211.8	363.31	36.12	15.9	574.39	63.3
387	16.41	210.6	361.92	36.11	15.9	574.05	63
388	16.44	209.1	360	36.11	15.89	573.96	62.7
389	16.5	208.1	359.58	36.11	15.9	574.3	62.6
390	16.54	206.9	358.38	36.11	15.89	573.78	62.5
391	16.62	205.5	357.67	36.11	15.89	573.75	62.3
392	16.65	204.1	355.88	36.11	15.89	573.69	62
393	16.75	203.1	356.26	36.11	15.88	573.31	62.1

394	16.82	201.5	354.93	36.11	15.87	573.21	61.9
395	16.82	200.9	353.87	36.11	15.88	573.37	61.7
396	16.82	199.5	351.41	36.11	15.88	573.56	61.3
397	16.9	198.7	351.66	36.11	15.87	572.95	61.4
398	16.99	197.3	351.04	36.11	15.86	572.9	61.3
399	17.03	196.2	349.91	36.11	15.87	572.96	61.1
400	17.03	195.3	348.3	36.11	15.87	573	60.8
401	17.06	194.1	346.77	36.11	15.87	572.96	60.5
402	17.17	193	347.03	36.11	15.86	572.91	60.6
403	17.21	191.8	345.68	36.11	15.86	572.86	60.3
404	17.23	190.9	344.46	36.11	15.86	572.59	60.2
405	17.34	189.5	344.11	36.11	15.86	572.57	60.1
406	17.39	188.3	342.92	36.11	15.86	572.72	59.9
407	17.38	187.1	340.54	36.11	15.85	572.34	59.5
408	17.45	185.9	339.72	36.11	15.86	572.76	59.3
409	17.46	185.3	338.81	36.11	15.86	572.64	59.2
410	17.56	184	338.36	36.11	15.85	572.35	59.1
411	17.62	182.8	337.31	36.11	15.84	572.17	59
412	17.63	181.7	335.47	36.11	15.85	572.32	58.6
413	17.73	180.6	335.33	36.11	15.84	572.05	58.6
414	17.7	179.8	333.28	36.11	15.85	572.19	58.2
415	17.8	178.4	332.55	36.11	15.84	572.19	58.1
416	17.8	177.5	330.87	36.11	15.84	572.1	57.8
417	17.91	176.4	330.85	36.11	15.84	572.18	57.8
418	17.94	175.5	329.72	36.11	15.84	571.9	57.7
419	17.98	174.5	328.57	36.11	15.84	572.16	57.4
420	18.05	173.2	327.39	36.11	15.83	571.64	57.3
421	18.05	172.1	325.31	36.11	15.84	571.87	56.9
422	18.15	171.4	325.78	36.11	15.83	571.7	57
423	18.12	169.9	322.4	36.11	15.83	571.71	56.4
424	18.25	168.5	322.04	36.11	15.82	571.47	56.4
425	18.29	167.7	321.21	36.12	15.82	571.6	56.2
426	18.26	166.2	317.81	36.11	15.82	571.42	55.6
427	18.39	165.2	318.15	36.11	15.81	571.04	55.7
428	18.45	164.5	317.84	36.11	15.81	571.12	55.7
429	18.42	163.5	315.39	36.11	15.82	571.21	55.2
430	18.49	162.4	314.46	36.11	15.82	571.16	55.1
431	18.59	161.3	314.02	36.11	15.81	570.91	55
432	18.6	160.3	312.24	36.11	15.81	571.01	54.7
433	18.6	158.6	308.93	36.1	15.81	570.99	54.1
434	18.7	157.8	309.02	36.12	15.81	571.16	54.1
435	18.77	156.7	308.02	36.12	15.8	570.75	54
436	18.81	156	307.3	36.12	15.81	571.14	53.8
437	18.8	154.6	304.38	36.12	15.8	570.75	53.3
438	18.81	153.6	302.57	36.12	15.8	570.64	53
439	18.9	152.6	302.04	36.12	15.79	570.49	52.9
440	18.97	151.5	300.97	36.12	15.79	570.35	52.8
441	19.04	150.7	300.48	36.12	15.8	570.66	52.7
442	19.09	149.8	299.47	36.11	15.79	570.24	52.5
443	19.15	148.9	298.61	36.11	15.79	570.25	52.4
444	19.19	147.9	297.22	36.11	15.79	570.33	52.1

445	19.19	146.7	294.81	36.11	15.79	570.24	51.7
446	19.27	145.7	294.02	36.11	15.79	570.2	51.6
447	19.32	144.6	292.56	36.11	15.79	570.06	51.3
448	19.35	143.5	290.79	36.11	15.78	569.83	51
449	19.4	142.6	289.71	36.11	15.78	569.81	50.8
450	19.42	141.7	288.18	36.11	15.78	569.96	50.6
451	19.5	140.1	286.1	36.11	15.78	569.8	50.2
452	19.54	139.5	285.46	36.11	15.77	569.62	50.1
453	19.61	138.4	284.22	36.11	15.77	569.65	49.9
454	19.67	137.6	283.44	36.11	15.77	569.37	49.8
455	19.72	136.4	281.68	36.11	15.76	569.3	49.5
456	19.71	135.6	279.89	36.11	15.75	568.96	49.2
457	19.75	134.4	277.98	36.11	15.75	568.95	48.9
458	19.79	133.7	277.09	36.11	15.75	568.73	48.7
459	19.79	132.3	274.19	36.11	15.75	568.63	48.2
460	19.84	131.7	273.63	36.11	15.74	568.53	48.1
461	19.95	130.4	272.43	36.11	15.74	568.54	47.9
462	20.02	129.6	271.71	36.11	15.75	568.84	47.8
463	20.05	128.8	270.44	36.11	15.75	568.73	47.6
464	20.03	127.7	267.86	36.11	15.74	568.34	47.1
465	20.05	126.9	266.45	36.11	15.73	568.24	46.9