





**0.09 кВт**






n_2 Мин ⁻¹	M_2 Нм	S	i	R_{2H} H				
0.51	1492	3.4	1715	50000			A704_1715 P63 BN63A6	147
1.1	677	2.2	778.2	20000			A504_778.2 P63 BN63A6	135
1.2	616	2.4	707.9	20000			A504_707.9 P63 BN63A6	135
1.4	549	2.7	631.2	20000			A504_631.2 P63 BN63A6	135
1.5	499	3.0	574.2	20000			A504_574.2 P63 BN63A6	135
1.7	461	3.3	529.5	20000			A504_529.5 P63 BN63A6	135
2.2	356	1.0	400.8	9600	A303_400.8 S05 M05A6	122	A303_400.8 P63 BN63A6	123
2.6	302	1.7	339.3	12000	A353_339.3 S05 M05A6	126	A353_339.3 P63 BN63A6	127
3.0	259	3.3	291.7	15000	A413_291.7 S05 M05A6	130	A413_291.7 P63 BN63A6	131
3.5	221	2.7	248.1	12000	A353_248.1 S05 M05A6	126	A353_248.1 P63 BN63A6	127
4.1	193	2.1	216.6	9600	A303_216.6 S05 M05A6	122	A303_216.6 P63 BN63A6	123
4.9	159	1.6	178.3	6200	A203_178.3 S05 M05A6	118	A203_178.3 P63 BN63A6	119
5.8	134	2.8	150.7	9600	A303_150.7 S05 M05A6	122	A303_150.7 P63 BN63A6	123
6.8	115	2.2	129.1	6200	A203_129.1 S05 M05A6	118	A203_129.1 P63 BN63A6	119
8.1	97	2.5	109.2	6200	A203_109.2 S05 M05A6	118	A203_109.2 P63 BN63A6	119
9.6	84	1.5	91.6	5500	A102_91.6 S05 M05A6	114	A102_91.6 P63 BN63A6	115
11.5	70	2.1	76.4	5500	A102_76.4 S05 M05A6	114	A102_76.4 P63 BN63A6	115
13.3	61	2.5	65.9	5500	A102_65.9 S05 M05A6	114	A102_65.9 P63 BN63A6	115
15.0	54	2.8	58.6	5500	A102_58.6 S05 M05A6	114	A102_58.6 P63 BN63A6	115
17.2	47	3.2	51.3	5500	A102_51.3 S05 M05A6	114	A102_51.3 P63 BN63A6	115
19.4	42	2.4	45.4	4250	A052_45.4 S05 M05A6	111	A052_45.4 P63 BN63A6	111
21.5	38	2.7	40.9	4120	A052_40.9 S05 M05A6	111	A052_40.9 P63 BN63A6	111
25.1	32	3.1	35.1	3950	A052_35.1 S05 M05A6	111	A052_35.1 P63 BN63A6	111
27.3	30	3.4	32.2	3850	A052_32.2 S05 M05A6	111	A052_32.2 P63 BN63A6	111
31	26	3.8	28.6	3720	A052_28.6 S05 M05A6	111	A052_28.6 P63 BN63A6	111
35	23	4.4	25.5	3590	A052_25.5 S05 M05A6	111	A052_25.5 P63 BN63A6	111
37	22	4.6	23.8	3520	A052_23.8 S05 M05A6	111	A052_23.8 P63 BN63A6	111
41	19.6	5.3	21.4	3410	A052_21.4 S05 M05A6	111	A052_21.4 P63 BN63A6	111
47	17.1	5.9	18.6	3270	A052_18.6 S05 M05A6	111	A052_18.6 P63 BN63A6	111
53	15.1	6.8	16.4	3150	A052_16.4 S05 M05A6	111	A052_16.4 P63 BN63A6	111
63	12.8	7.8	13.9	2990	A052_13.9 S05 M05A6	111	A052_13.9 P63 BN63A6	111
72	11.3	8.8	12.3	2880	A052_12.3 S05 M05A6	111	A052_12.3 P63 BN63A6	111
83	9.7	10.3	10.6	2740	A052_10.6 S05 M05A6	111	A052_10.6 P63 BN63A6	111
92	8.8	11.3	9.6	2670	A052_9.6 S05 M05A6	111	A052_9.6 P63 BN63A6	111
103	7.8	13.2	8.5	2570	A052_8.5 S05 M05A6	111	A052_8.5 P63 BN63A6	111
122	6.6	15.1	7.2	2440	A052_7.2 S05 M05A6	111	A052_7.2 P63 BN63A6	111
139	5.8	17.8	6.3	2340	A052_6.3 S05 M05A6	111	A052_6.3 P63 BN63A6	111
161	5.0	19.9	5.5	2230	A052_5.5 S05 M05A6	111	A052_5.5 P63 BN63A6	111

0.12 кВт

0.51	2012	2.5	1715	50000			A704_1715 P63 BN63B6	147
0.56	1857	2.7	1583	50000			A704_1583 P63 BN63B6	147
0.65	1579	3.2	1346	50000			A704_1346 P63 BN63B6	147
0.70	1457	3.4	1242	50000			A704_1242 P63 BN63B6	147
1.1	913	1.6	778.2	20000			A504_778.2 P63 BN63B6	135
1.2	818	3.4	697.3	30000			A604_697.3 P63 BN63B6	143







0.12 кВТ

P_n МВт ¹	M_n Нм	S	i	R_{n2} H			 IEC 	
1.4	740	2.0	631.2	20000			A504_631.2 P63 BN63B86	147
1.6	821	2.4	529.5	20000			A504_529.5 P63 BN63B86	147
1.7	588	2.5	778.2	20000			A504_778.2 P63 BN63A4	147
1.9	535	2.8	707.9	20000			A504_707.9 P63 BN63A4	147
2.1	477	3.1	631.2	20000			A504_631.2 P63 BN63A4	147
2.4	434	3.5	574.2	20000			A504_574.2 P63 BN63A4	147
3.4	310	1.2	400.8	9600	A303_400.8 S05 M05A4	122	A303_400.8 P63 BN63A4	123
3.4	304	1.5	393.2	12000	A353_393.2 S05 M05A4	126	A353_393.2 P63 BN63A4	127
3.6	291	2.9	376.8	15000	A413_376.8 S05 M05A4	130	A413_376.8 P63 BN63A4	131
3.8	275	1.3	356.3	9600	A303_356.3 S05 M05A4	122	A303_356.3 P63 BN63A4	123
4.0	262	2.0	330.3	12000	A353_339.3 S05 M05A4	126	A353_339.3 P63 BN63A4	127
4.1	255	1.0	329.4	6200	A203_329.4 S05 M05A4	118	A203_329.4 P63 BN63A4	119
4.2	251	3.4	324.2	15000	A413_324.2 S05 M05A4	130	A413_324.2 P63 BN63A4	131
4.3	243	1.8	314.5	9600	A303_314.5 S05 M05A4	122	A303_314.5 P63 BN63A4	123
4.4	236	2.5	305.4	12000	A353_305.4 S05 M05A4	126	A353_305.4 P63 BN63A4	127
4.6	226	1.1	292.8	6200	A203_292.8 S05 M05A4	118	A203_292.8 P63 BN63A4	119
5.0	210	1.8	271.5	9600	A303_271.5 S05 M05A4	122	A303_271.5 P63 BN63A4	123
5.0	209	2.9	270.7	12000	A353_270.7 S05 M05A4	126	A353_270.7 P63 BN63A4	127
5.2	201	1.2	260.5	6200	A203_260.5 S05 M05A4	118	A203_260.5 P63 BN63A4	119
5.4	192	3.1	248.1	12000	A353_248.1 S05 M05A4	126	A353_248.1 P63 BN63A4	127
5.5	189	2.0	244.3	9600	A303_244.3 S05 M05A4	122	A303_244.3 P63 BN63A4	123
6.0	172	3.5	223.2	12000	A353_223.2 S05 M05A4	126	A353_223.2 P63 BN63A4	127
6.1	171	1.5	221.3	6200	A203_221.3 S05 M05A4	118	A203_221.3 P63 BN63A4	119
6.2	167	2.2	216.6	9600	A303_216.6 S05 M05A4	122	A303_216.6 P63 BN63A4	123
6.8	154	1.6	199.2	6200	A203_199.2 S05 M05A4	118	A203_199.2 P63 BN63A4	119
6.8	153	2.3	198.5	9600	A303_198.5 S05 M05A4	122	A303_198.5 P63 BN63A4	123
7.6	138	2.5	178.5	9600	A303_178.5 S05 M05A4	122	A303_178.5 P63 BN63A4	123
7.6	138	1.8	178.3	6200	A203_178.3 S05 M05A4	118	A203_178.3 P63 BN63A4	119
8.3	126	1.9	163.4	6200	A203_163.4 S05 M05A4	118	A203_163.4 P63 BN63A4	119
8.4	125	2.7	161.4	9600	A303_161.4 S05 M05A4	122	A303_161.4 P63 BN63A4	123
9.0	116	2.8	150.7	9600	A303_150.7 S05 M05A4	122	A303_150.7 P63 BN63A4	123
9.2	113	2.0	146.1	6200	A203_146.1 S05 M05A4	118	A203_146.1 P63 BN63A4	119
9.8	106	3.0	137.4	9600	A303_137.4 S05 M05A4	122	A303_137.4 P63 BN63A4	123
10.5	100	2.2	129.1	6200	A203_129.1 S05 M05A4	118	A203_129.1 P63 BN63A4	119
11.2	93	2.3	120.5	6200	A203_120.5 S05 M05A4	118	A203_120.5 P63 BN63A4	119
11.2	93	3.2	120.5	9600	A303_120.5 S05 M05A4	122	A303_120.5 P63 BN63A4	123
12.4	84	2.4	109.2	6200	A203_109.2 S05 M05A4	118	A203_109.2 P63 BN63A4	119
14.6	74	2.7	92.3	6200	A202_92.3 S05 M05A4	118	A202_92.3 P63 BN63A4	119
14.7	73	1.4	91.6	4420	A052_91.6 S05 M05A4	111	A052_91.6 P63 BN63A4	111
14.7	73	1.8	91.6	5500	A102_91.6 S05 M05A4	114	A102_91.6 P63 BN63A4	115
16.9	64	3.3	79.9	6200	A202_79.9 S05 M05A4	118	A202_79.9 P63 BN63A4	119
17.7	61	1.6	76.4	4230	A052_76.4 S05 M05A4	111	A052_76.4 P63 BN63A4	111
17.7	61	2.5	76.4	5500	A102_76.4 S05 M05A4	114	A102_76.4 P63 BN63A4	115
20.5	53	1.9	65.9	4070	A052_65.9 S05 M05A4	111	A052_65.9 P63 BN63A4	111
20.5	53	2.8	65.9	5500	A102_65.9 S05 M05A4	114	A102_65.9 P63 BN63A4	115
23.0	47	2.1	58.6	3950	A052_58.6 S05 M05A4	111	A052_58.6 P63 BN63A4	111
23.0	47	3.2	58.6	5500	A102_58.6 S05 M05A4	114	A102_58.6 P63 BN63A4	115
26.3	41	2.4	51.3	3810	A052_51.3 S05 M05A4	111	A052_51.3 P63 BN63A4	111
29.7	36	2.8	45.4	3680	A052_45.4 S05 M05A4	111	A052_45.4 P63 BN63A4	111
33	33	3.1	40.9	3570	A052_40.9 S05 M05A4	111	A052_40.9 P63 BN63A4	111
38	26	3.6	35.1	3420	A052_35.1 S05 M05A4	111	A052_35.1 P63 BN63A4	111
42	26	3.9	32.2	3340	A052_32.2 S05 M05A4	111	A052_32.2 P63 BN63A4	111



0.12 кВТ





P_n МВт ¹	M_n Нм	S	i	R_{n2} H				
47	23	4.4	28.6	3220	A052_28.6 S05 M05A4	111	A052_28.6 P63 BN63A4	111
53	20	4.9	25.5	3110	A052_25.5 S05 M05A4	111	A052_25.5 P63 BN63A4	111
57	19.0	5.3	23.8	3050	A052_23.8 S05 M05A4	111	A052_23.8 P63 BN63A4	111
62	17.3	5.8	13.9	2960	A052_13.9 S05 M05B6	111	A052_13.9 P63 BN63B6	111
63	17.1	5.9	21.4	2950	A052_21.4 S05 M05A4	111	A052_21.4 P63 BN63A4	111
73	14.8	6.7	18.6	2830	A052_18.6 S05 M05A4	111	A052_18.6 P63 BN63A4	111
82	13.1	7.6	16.4	2730	A052_16.4 S05 M05A4	111	A052_16.4 P63 BN63A4	111
90	11.9	8.4	9.6	2640	A052_9.6 S05 M05B6	111	A052_9.6 P63 BN63B6	111
97	11.1	9.0	13.9	2590	A052_13.9 S05 M05A4	111	A052_13.9 P63 BN63A4	111
110	9.8	10.2	12.3	2500	A052_12.3 S05 M05A4	111	A052_12.3 P63 BN63A4	111
121	8.9	11.2	7.2	2420	A052_7.2 S05 M05B6	111	A052_7.2 P63 BN63B6	111
128	8.4	11.9	10.6	2380	A052_10.6 S05 M05A4	111	A052_10.6 P63 BN63A4	111
140	7.7	13.0	9.6	2310	A052_9.6 S05 M05A4	111	A052_9.6 P63 BN63A4	111
159	6.8	14.7	8.5	2220	A052_8.5 S05 M05A4	111	A052_8.5 P63 BN63A4	111
187	5.8	17.4	7.2	2110	A052_7.2 S05 M05A4	111	A052_7.2 P63 BN63A4	111
213	5.1	19.8	6.3	2020	A052_6.3 S05 M05A4	111	A052_6.3 P63 BN63A4	111
247	4.4	21.8	5.5	1930	A052_5.5 S05 M05A4	111	A052_5.5 P63 BN63A4	111

0.18 кВТ

0.52	2917	1.7	1715	50000	A704_1715 S1 M1SC6	146	A704_1715 P71 BN71A6	147
0.58	2640	3.0	1558	65000	A804_1558 S1 M1SC6	149	A804_1558 P71 BN71A6	150
0.67	2279	3.5	1340	65000	A804_1340 S1 M1SC6	149	A804_1340 P71 BN71A6	150
0.77	1989	2.5	1715	50000			A704_1715 P63 BN63B4	147
0.83	1836	2.7	1583	50000			A704_1583 P63 BN63B4	147
0.98	1561	3.2	1346	50000			A704_1346 P63 BN63B4	147
1.1	1441	3.5	1242	50000			A704_1242 P63 BN63B4	147
1.3	1186	2.4	697.3	30000	A604_697.3 S1 M1SC6	142	A604_697.3 P71 BN71A6	143
1.5	996	2.8	585.8	30000	A604_585.8 S1 M1SC6	142	A604_585.8 P71 BN71A6	143
1.7	902	1.7	778.2	20000			A504_778.2 P63 BN63B4	135
1.7	876	3.2	755.4	30000			A604_755.4 P63 BN63B4	143
1.9	821	1.8	707.9	20000			A504_707.9 P63 BN63B4	135
1.9	809	3.5	697.3	30000			A604_697.3 P63 BN63B4	143
2.1	732	2.0	631.2	20000			A504_631.2 P63 BN63B4	135
2.3	666	2.3	574.2	20000			A504_574.2 P63 BN63B4	135
2.5	614	2.4	529.5	20000			A504_529.5 P63 BN63B4	135
2.7	559	2.7	481.6	20000			A504_481.6 P63 BN63B4	135
3.0	518	2.9	446.8	20000			A504_446.8 P63 BN63B4	135
3.2	471	3.2	406.4	20000			A504_406.4 P63 BN63B4	135
3.4	466	1.0	393.2	12000	A353_393.2 S05 M05B4	126	A353_393.2 P63 BN63B4	127
3.5	447	1.9	376.8	15000	A413_376.8 S05 M05B4	130	A413_376.8 P63 BN63B4	131
3.6	424	3.5	365.6	20000			A504_365.6 P63 BN63B4	135
3.7	422	0.9	356.3	9600	A303_356.3 S05 M05B4	122	A303_356.3 P63 BN63B4	123
3.9	402	1.3	339.3	12000	A353_339.3 S05 M05B4	126	A353_339.3 P63 BN63B4	127
4.1	384	2.2	324.2	15000	A413_324.2 S05 M05B4	130	A413_324.2 P63 BN63B4	131
4.2	373	1.0	314.5	9600	A303_314.5 S05 M05B4	122	A303_314.5 P63 BN63B4	123
4.3	362	1.7	305.4	12000	A353_305.4 S05 M05B4	126	A353_305.4 P63 BN63B4	127
4.5	346	2.5	291.7	15000	A413_291.7 S05 M05B4	130	A413_291.7 P63 BN63B4	131
4.9	322	1.2	271.5	9600	A303_271.5 S05 M05B4	122	A303_271.5 P63 BN63B4	123
4.9	321	1.9	270.7	12000	A353_270.7 S05 M05B4	126	A353_270.7 P63 BN63B4	127







0.18 кВТ

P_2 МВт	M_2 Нм	S	i	R_{Σ} H				
5.0	311	2.7	202.5	15000	A413_262.5 S05 M05B4	130	A413_262.5 P63 BN63B4	131
5.3	294	2.0	248.1	12000	A353_248.1 S05 M05B4	126	A353_248.1 P63 BN63B4	127
5.4	290	1.3	244.3	9600	A303_244.3 S05 M05B4	122	A303_244.3 P63 BN63B4	123
5.5	285	3.0	240.6	15000	A413_240.6 S05 M05B4	130	A413_240.6 P63 BN63B4	131
5.9	285	2.3	223.2	12000	A353_223.2 S05 M05B4	126	A353_223.2 P63 BN63B4	127
6.0	282	1.0	221.3	6200	A203_221.3 S05 M05B4	118	A203_221.3 P63 BN63B4	119
6.1	258	3.3	217.4	15000	A413_217.4 S05 M05B4	130	A413_217.4 P63 BN63B4	131
6.1	257	1.4	216.6	9600	A303_216.6 S05 M05B4	122	A303_216.6 P63 BN63B4	123
6.5	239	2.5	201.8	12000	A353_201.8 S05 M05B4	126	A353_201.8 P63 BN63B4	127
6.6	236	1.1	199.2	6200	A203_199.2 S05 M05B4	118	A203_199.2 P63 BN63B4	119
6.6	235	1.5	198.5	9600	A303_198.5 S05 M05B4	122	A303_198.5 P63 BN63B4	123
7.0	223	2.7	188.3	12000	A353_188.3 S05 M05B4	126	A353_188.3 P63 BN63B4	127
7.4	212	1.6	178.5	9600	A303_178.5 S05 M05B4	122	A303_178.5 P63 BN63B4	123
7.4	211	1.2	178.3	6200	A203_178.3 S05 M05B4	118	A203_178.3 P63 BN63B4	119
7.7	204	2.9	171.8	12000	A353_171.8 S05 M05B4	126	A353_171.8 P63 BN63B4	127
8.1	194	1.2	163.4	6200	A203_163.4 S05 M05B4	118	A203_163.4 P63 BN63B4	119
8.2	191	1.8	161.4	9600	A303_161.4 S05 M05B4	122	A303_161.4 P63 BN63B4	123
8.8	179	1.8	150.7	9600	A303_150.7 S05 M05B4	122	A303_150.7 P63 BN63B4	123
8.8	179	3.4	150.6	12000	A353_150.6 S05 M05B4	126	A353_150.6 P63 BN63B4	127
9.0	173	1.3	146.1	6200	A203_146.1 S05 M05B4	118	A203_146.1 P63 BN63B4	119
9.6	163	1.9	137.4	9600	A303_137.4 S05 M05B4	122	A303_137.4 P63 BN63B4	123
10.2	153	1.4	129.1	6200	A203_129.1 S05 M05B4	118	A203_129.1 P63 BN63B4	119
11.0	143	1.5	120.5	6200	A203_120.5 S05 M05B4	118	A203_120.5 P63 BN63B4	119
11.0	143	2.1	120.5	9600	A303_120.5 S05 M05B4	122	A303_120.5 P63 BN63B4	123
12.1	129	1.6	109.2	6200	A203_109.2 S05 M05B4	118	A203_109.2 P63 BN63B4	119
12.1	129	2.3	109.1	9600	A303_109.1 S05 M05B4	122	A303_109.1 P63 BN63B4	123
13.5	119	2.5	97.5	9600	A302_97.5 S05 M05B4	118	A302_97.5 P63 BN63B4	123
14.3	113	1.8	92.3	6200	A202_92.3 S05 M05B4	118	A202_92.3 P63 BN63B4	119
14.4	112	0.9	91.6	4120	A052_91.6 S05 M05B4	111	A052_91.6 P63 BN63B4	111
14.4	112	1.2	91.6	5500	A102_91.6 S05 M05B4	114	A102_91.6 P63 BN63B4	115
15.2	106	3.0	86.7	9600	A302_86.7 S05 M05B4	118	A302_86.7 P63 BN63B4	123
16.5	98	2.1	79.9	6200	A202_79.9 S05 M05B4	118	A202_79.9 P63 BN63B4	119
17.3	94	1.1	76.4	3080	A052_76.4 S05 M05B4	111	A052_76.4 P63 BN63B4	111
17.3	94	1.6	76.4	5500	A102_76.4 S05 M05B4	114	A102_76.4 P63 BN63B4	115
18.6	87	2.4	71.0	6200	A202_71.0 S05 M05B4	118	A202_71.0 P63 BN63B4	119
20.0	81	1.2	65.9	3860	A052_65.9 S05 M05B4	111	A052_65.9 P63 BN63B4	111
20.0	81	1.9	65.9	5500	A102_65.9 S05 M05B4	114	A102_65.9 P63 BN63B4	115
20.9	77	3.2	63.1	6200	A202_63.1 S05 M05B4	118	A202_63.1 P63 BN63B4	119
22.5	72	1.4	58.6	3760	A052_58.6 S05 M05B4	111	A052_58.6 P63 BN63B4	111
22.5	72	2.1	58.6	5500	A102_58.6 S05 M05B4	114	A102_58.6 P63 BN63B4	115
25.8	63	1.6	51.3	3640	A052_51.3 S05 M05B4	111	A052_51.3 P63 BN63B4	111
25.8	63	2.4	51.3	5500	A102_51.3 S05 M05B4	114	A102_51.3 P63 BN63B4	115
29.1	56	1.8	45.4	3540	A052_45.4 S05 M05B4	111	A052_45.4 P63 BN63B4	111
29.1	56	2.7	45.4	5500	A102_45.4 S05 M05B4	114	A102_45.4 P63 BN63B4	115
32	50	2.0	40.9	3440	A052_40.9 S05 M05B4	111	A052_40.9 P63 BN63B4	111
32	50	3.0	40.9	5500	A102_40.9 S05 M05B4	114	A102_40.9 P63 BN63B4	115
38	43	2.3	35.1	3310	A052_35.1 S05 M05B4	111	A052_35.1 P63 BN63B4	111
38	43	3.5	35.1	5380	A102_35.1 S05 M05B4	114	A102_35.1 P63 BN63B4	115
41	39	2.5	32.2	3240	A052_32.2 S05 M05B4	111	A052_32.2 P63 BN63B4	111
46	35	2.9	28.6	3130	A052_28.6 S05 M05B4	111	A052_28.6 P63 BN63B4	111
52	31	3.2	25.5	3040	A052_25.5 S05 M05B4	111	A052_25.5 P63 BN63B4	111
56	29	3.4	23.8	2980	A052_23.8 S05 M05B4	111	A052_23.8 P63 BN63B4	111



0.18 κΒΤ




R_2 mm ²	M_2 Nm	S	i	R_{20} H				
62	26	3.8	21.4	2690	A052_21.4 S05 M05B4	111	A052_21.4 P63 BN63B4	111
71	23	4.4	18.6	2780	A052_18.6 S05 M05B4	111	A052_18.6 P63 BN63B4	111
80	20	5.0	16.4	2680	A052_16.4 S05 M05B4	111	A052_16.4 P63 BN63B4	111
96	17.1	5.9	13.9	2550	A052_13.9 S05 M05B4	111	A052_13.9 P63 BN63B4	111
107	15.1	6.6	12.3	2460	A052_12.3 S05 M05B4	111	A052_12.3 P63 BN63B4	111
125	12.9	7.7	10.6	2350	A052_10.6 S05 M05B4	111	A052_10.6 P63 BN63B4	111
137	11.8	8.5	9.6	2280	A052_9.6 S05 M05B4	111	A052_9.6 P63 BN63B4	111
142	11.4	8.8	6.3	2300	A052_6.3 S1 M1SC6	111	A052_6.3 P71 BN71A6	111
165	10.4	9.6	8.5	2200	A052_8.5 S05 M05B4	111	A052_8.5 P63 BN63B4	111
183	8.8	11.3	7.2	2090	A052_7.2 S05 M05B4	111	A052_7.2 P63 BN63B4	111
208	7.8	12.9	6.3	2010	A052_6.3 S05 M05B4	111	A052_6.3 P63 BN63B4	111
242	6.7	14.2	5.5	1920	A052_5.5 S05 M05B4	111	A052_5.5 P63 BN63B4	111
284	5.7	16.7	9.6	1830	A052_9.6 S05 M05A2	111	A052_9.6 P63 BN63A2	111
321	5.0	17.8	8.5	1770	A052_8.5 S05 M05A2	111	A052_8.5 P63 BN63A2	111
379	4.3	19.9	7.2	1670	A052_7.2 S05 M05A2	111	A052_7.2 P63 BN63A2	111
431	3.8	21.3	6.3	1610	A052_6.3 S05 M05A2	111	A052_6.3 P63 BN63A2	111
499	3.2	23.2	5.5	1530	A052_5.5 S05 M05A2	111	A052_5.5 P63 BN63A2	111

0.25 κΒΤ

0.52	4051	1.2	1715	50000	A704_1715 S1 M1SD6	146	A704_1715 P71 BN71B6	147
0.58	3680	2.2	1558	65000	A804_1558 S1 M1SD6	149	A804_1558 P71 BN71B6	150
0.67	3165	2.5	1340	65000	A804_1340 S1 M1SD6	149	A804_1340 P71 BN71B6	150
0.80	2642	1.9	1715	50000	A704_1715 P71 BN71A4		A704_1715 P71 BN71A4	147
0.87	2439	2.1	1583	50000			A704_1583 P71 BN71A4	147
0.89	2400	3.3	1558	65000			A804_1558 P71 BN71A4	150
1.00	2073	2.4	1346	50000			A704_1346 P71 BN71A4	147
1.1	1914	2.6	1242	50000			A704_1242 P71 BN71A4	147
1.2	1789	2.8	1161	50000			A704_1161 P71 BN71A4	147
1.3	1652	3.0	1072	50000			A704_1072 P71 BN71A4	147
1.5	1427	3.5	926.5	50000			A704_926.5 P71 BN71A4	147
1.8	1199	1.3	778.2	20000			A504_778.2 P71 BN71A4	135
1.8	1164	2.4	755.4	30000			A604_755.4 P71 BN71A4	143
1.9	1091	1.4	707.9	20000			A504_707.9 P71 BN71A4	135
2.0	1074	2.6	697.3	30000			A604_697.3 P71 BN71A4	143
2.2	978	2.9	634.6	30000			A604_634.6 P71 BN71A4	143
2.2	972	1.5	631.2	20000			A504_631.2 P71 BN71A4	135
2.4	902	3.1	585.8	30000			A604_585.8 P71 BN71A4	143
2.4	885	1.7	574.2	20000			A504_574.2 P71 BN71A4	135
2.5	835	3.4	542.0	30000			A604_542.0 P71 BN71A4	143
2.6	816	1.8	529.5	20000			A504_529.5 P71 BN71A4	135
2.9	742	2.0	481.6	20000			A504_481.6 P71 BN71A4	135
3.1	688	2.2	446.8	20000			A504_446.8 P71 BN71A4	135
3.4	626	2.4	406.4	20000			A504_406.4 P71 BN71A4	135
3.6	611	1.4	376.8	15000	A413_376.8 S05 M05C4	130	A413_376.8 P71 BN71A4	131
3.8	563	2.7	365.6	20000			A504_365.6 P71 BN71A4	135
3.9	550	0.9	339.3	12000	A353_339.3 S05 M05C4	126	A353_339.3 P71 BN71A4	127
4.1	526	1.6	324.2	15000	A413_324.2 S05 M05C4	130	A413_324.2 P71 BN71A4	131
4.1	512	2.9	332.6	20000			A504_332.6 P71 BN71A4	135
4.4	495	1.2	305.4	12000	A353_305.4 S05 M05C4	126	A353_305.4 P71 BN71A4	127







0.25 kBT

P_2 MVA	M_2 Hz	S	i	R_{Σ} H				
4.7	460	1.8	291.7	15000	A413_291.7 S05 M05C4	130	A413_291.7 P71 BN71A4	131
4.8	442	3.4	286.8	20000			A504_286.8 P71 BN71A4	135
4.9	440	0.9	271.5	9600	A303_271.5 S05 M05C4	122	A303_271.5 P71 BN71A4	123
5.0	439	1.4	270.7	12000	A353_270.7 S05 M05C4	126	A353_270.7 P71 BN71A4	127
5.1	426	2.0	262.5	15000	A413_262.5 S05 M05C4	130	A413_262.5 P71 BN71A4	131
5.4	403	1.5	248.1	12000	A353_248.1 S05 M05C4	126	A353_248.1 P71 BN71A4	127
5.6	385	1.0	244.3	9600	A303_244.3 S05 M05C4	122	A303_244.3 P71 BN71A4	123
5.7	379	2.2	240.6	15000	A413_240.6 S05 M05C4	130	A413_240.6 P71 BN71A4	131
6.0	362	1.7	223.2	12000	A353_223.2 S05 M05C4	126	A353_223.2 P71 BN71A4	127
6.2	353	2.4	217.4	15000	A413_217.4 S05 M05C4	130	A413_217.4 P71 BN71A4	131
6.2	351	1.0	216.6	9600	A303_216.6 S05 M05C4	122	A303_216.6 P71 BN71A4	123
6.6	327	1.8	201.8	12000	A353_201.8 S05 M05C4	126	A353_201.8 P71 BN71A4	127
7.0	313	1.1	198.5	9600	A303_198.5 S05 M05C4	122	A303_198.5 P71 BN71A4	123
7.0	311	2.7	197.5	15000	A413_197.5 S05 M05C4	130	A413_197.5 P71 BN71A4	131
7.1	306	2.0	188.3	12000	A353_188.3 S05 M05C4	126	A353_188.3 P71 BN71A4	127
7.3	299	2.8	184.4	15000	A413_184.4 S05 M05C4	130	A413_184.4 P71 BN71A4	131
7.5	290	1.2	178.5	9600	A303_178.5 S05 M05C4	122	A303_178.5 P71 BN71A4	123
7.8	279	2.2	171.8	12000	A353_171.8 S05 M05C4	126	A353_171.8 P71 BN71A4	127
8.4	257	0.9	163.4	6200	A203_163.4 S05 M05C4	118	A203_163.4 P71 BN71A4	119
8.5	254	1.3	161.4	9600	A303_161.4 S05 M05C4	122	A303_161.4 P71 BN71A4	123
8.9	244	1.4	150.7	9600	A303_150.7 S05 M05C4	122	A303_150.7 P71 BN71A4	123
8.9	244	2.5	150.6	12000	A353_150.6 S05 M05C4	126	A353_150.6 P71 BN71A4	127
9.2	237	1.0	146.1	6200	A203_146.1 S05 M05C4	118	A203_146.1 P71 BN71A4	119
9.8	221	2.6	136.3	12000	A353_136.3 S05 M05C4	126	A353_136.3 P71 BN71A4	127
10.0	216	1.5	137.4	9600	A303_137.4 S05 M05C4	122	A303_137.4 P71 BN71A4	123
10.7	203	1.1	129.1	6200	A203_129.1 S05 M05C4	118	A203_129.1 P71 BN71A4	119
11.1	196	1.1	120.5	6200	A203_120.5 S05 M05C4	118	A203_120.5 P71 BN71A4	119
11.1	195	1.5	120.5	9600	A303_120.5 S05 M05C4	122	A303_120.5 P71 BN71A4	123
11.5	190	3.0	116.9	12000	A353_116.9 S05 M05C4	126	A353_116.9 P71 BN71A4	127
12.6	172	1.2	109.2	6200	A203_109.2 S05 M05C4	118	A203_109.2 P71 BN71A4	119
12.7	172	1.7	109.1	9600	A303_109.1 S05 M05C4	122	A303_109.1 P71 BN71A4	123
12.7	171	3.1	105.5	12000	A353_105.5 S05 M05C4	126	A353_105.5 P71 BN71A4	127
14.2	159	1.9	97.5	9600			A302_97.5 P71 BN71A4	123
14.4	156	3.5	95.6	12000			A352_95.6 P71 BN71A4	127
14.5	155	1.3	92.3	6200	A202_92.3 S05 M05C4	118	A202_92.3 P71 BN71A4	119
15.9	141	2.3	86.7	9600			A302_86.7 P71 BN71A4	123
16.8	134	1.6	79.9	6200	A202_79.9 S05 M05C4	118	A202_79.9 P71 BN71A4	119
17.5	128	1.2	76.4	5500	A102_76.4 S05 M05C4	114	A102_76.4 P71 BN71A4	115
18.0	125	2.8	76.5	9600			A302_76.5 P71 BN71A4	123
19.4	116	1.8	71.0	6200	A202_71.0 S05 M05C4	118	A202_71.0 P71 BN71A4	119
20.3	110	0.9	65.9	3610	A052_65.9 S05 M05C4	111	A052_65.9 P71 BN71A4	111
20.3	110	1.4	65.9	5500	A102_65.9 S05 M05C4	114	A102_65.9 P71 BN71A4	115
21.2	106	2.3	63.1	6200	A202_63.1 S05 M05C4	118	A202_63.1 P71 BN71A4	119
22.9	98	1.0	58.6	3540	A052_58.6 S05 M05C4	111	A052_58.6 P71 BN71A4	111
23.5	95	1.6	58.6	5500	A102_58.6 S05 M05C4	114	A102_58.6 P71 BN71A4	115
25.0	90	2.8	53.7	6200	A202_53.7 S05 M05C4	118	A202_53.7 P71 BN71A4	119
26.1	86	1.2	51.3	3450	A052_51.3 S05 M05C4	111	A052_51.3 P71 BN71A4	111
26.1	86	1.7	51.3	5500	A102_51.3 S05 M05C4	114	A102_51.3 P71 BN71A4	115
28.6	79	3.2	48.3	6180	A202_48.3 S05 M05C4	118	A202_48.3 P71 BN71A4	119
29.5	76	1.3	45.4	3370	A052_45.4 S05 M05C4	111	A052_45.4 P71 BN71A4	111
29.5	76	2.0	45.4	5500	A102_45.4 S05 M05C4	114	A102_45.4 P71 BN71A4	115
33	68	1.5	40.9	3200	A052_40.9 S05 M05C4	111	A052_40.9 P71 BN71A4	111



0.25 κBТ





n_2 mm ⁻¹	M_2 Hm	S	i	$R_{0.2}$ H				
34	66	2.3	40.9	5500	A102_40.9 S05 M05C4	114	A102_40.9 P71 BN71A4	115
38	59	1.7	35.1	3180	A052_35.1 S05 M05C4	111	A052_35.1 P71 BN71A4	111
38	59	2.5	35.1	5260	A102_35.1 S05 M05C4	114	A102_35.1 P71 BN71A4	115
42	54	1.9	32.2	3120	A052_32.2 S05 M05C4	111	A052_32.2 P71 BN71A4	111
43	52	2.9	32.2	5500	A102_32.2 S05 M05C4	114	A102_32.2 P71 BN71A4	115
47	48	2.1	28.6	3030	A052_28.6 S05 M05C4	111	A052_28.6 P71 BN71A4	111
47	48	3.1	28.6	4970	A102_28.6 S05 M05C4	114	A102_28.6 P71 BN71A4	115
53	43	2.3	25.5	2940	A052_25.5 S05 M05C4	111	A052_25.5 P71 BN71A4	111
56	40	2.5	23.8	2890	A052_23.8 S05 M05C4	111	A052_23.8 P71 BN71A4	111
63	36	2.8	21.4	2810	A052_21.4 S05 M05C4	111	A052_21.4 P71 BN71A4	111
72	31	3.2	18.6	2710	A052_18.6 S05 M05C4	111	A052_18.6 P71 BN71A4	111
84	27	3.7	16.4	2620	A052_16.4 S05 M05C4	111	A052_16.4 P71 BN71A4	111
99	23	4.4	13.9	2500	A052_13.9 S05 M05C4	111	A052_13.9 P71 BN71A4	111
112	20	5.0	12.3	2420	A052_12.3 S05 M05C4	111	A052_12.3 P71 BN71A4	111
131	17.2	5.8	10.6	2310	A052_10.6 S05 M05C4	111	A052_10.6 P71 BN71A4	111
144	15.7	6.4	9.6	2260	A052_9.6 S05 M05C4	111	A052_9.6 P71 BN71A4	111
162	13.9	7.2	8.5	2180	A052_8.5 S05 M05C4	111	A052_8.5 P71 BN71A4	111
191	11.7	8.5	7.2	2070	A052_7.2 S05 M05C4	111	A052_7.2 P71 BN71A4	111
218	10.3	9.7	6.3	1990	A052_6.3 S05 M05C4	111	A052_6.3 P71 BN71A4	111
252	8.9	10.7	5.5	1900	A052_5.5 S05 M05C4	111	A052_5.5 P71 BN71A4	111
285	7.9	12.1	9.6	1820	A052_9.6 S05 M05B2	111	A052_9.6 P63 BN63B2	111
322	7.0	12.9	8.5	1750	A052_8.5 S05 M05B2	111	A052_8.5 P63 BN63B2	111
360	5.9	14.4	7.2	1660	A052_7.2 S05 M05B2	111	A052_7.2 P63 BN63B2	111
433	5.2	15.4	6.3	1580	A052_6.3 S05 M05B2	111	A052_6.3 P63 BN63B2	111
501	4.5	16.7	5.5	1520	A052_5.5 S05 M05B2	111	A052_5.5 P63 BN63B2	111

0.37 κBТ

0.56	5644	2.5	1632	75000	A904_1632 S1 M1LA6	152	A904_1632 P80 BN80A6	153
0.63	4972	1.6	1438	65000	A804_1438 S1 M1LA6	149	A804_1438 P80 BN80A6	150
0.74	4226	3.3	1222	75000	A904_1222 S1 M1LA6	152	A904_1222 P80 BN80A6	153
0.80	3939	1.3	1715	50000	A704_1715 S1 M1SD4	146	A704_1715 P71 BN71B4	147
0.87	3636	1.4	1583	50000	A704_1583 S1 M1SD4	146	A704_1583 P71 BN71B4	147
0.88	3577	2.2	1558	65000	A804_1558 S1 M1SD4	149	A804_1558 P71 BN71B4	150
0.95	3302	2.4	1436	65000	A804_1438 S1 M1SD4	149	A804_1438 P71 BN71B4	150
1.00	3091	1.6	1346	50000	A704_1346 S1 M1SD4	146	A704_1346 P71 BN71B4	147
1.00	3077	2.6	1340	65000	A804_1340 S1 M1SD4	149	A804_1340 P71 BN71B4	150
1.1	2853	1.8	1242	50000	A704_1242 S1 M1SD4	146	A704_1242 P71 BN71B4	147
1.1	2841	2.8	1237	65000	A804_1237 S1 M1SD4	149	A804_1237 P71 BN71B4	150
1.2	2688	1.9	1161	50000	A704_1161 S1 M1SD4	146	A704_1161 P71 BN71B4	147
1.3	2492	3.2	1085	65000	A804_1085 S1 M1SD4	149	A804_1085 P71 BN71B4	150
1.3	2462	2.0	1072	50000	A704_1072 S1 M1SD4	146	A704_1072 P71 BN71B4	147
1.4	2300	3.5	1001	65000	A804_1001 S1 M1SD4	149	A804_1001 P71 BN71B4	150
1.5	2128	2.3	926.5	50000	A704_926.5 S1 M1SD4	146	A704_926.5 P71 BN71B4	147
1.6	1964	2.5	855.3	50000	A704_855.3 S1 M1SD4	146	A704_855.3 P71 BN71B4	147
1.8	1754	2.8	763.9	50000	A704_763.9 S1 M1SD4	146	A704_763.9 P71 BN71B4	147
1.8	1735	1.6	755.4	30000	A604_755.4 S1 M1SD4	142	A604_755.4 P71 BN71B4	143
1.9	1626	0.9	707.9	20000	A504_707.9 S1 M1SD4	134	A504_707.9 P71 BN71B4	135
1.9	1619	3.1	705.1	50000	A704_705.1 S1 M1SD4	146	A704_705.1 P71 BN71B4	147
2.0	1601	1.7	697.3	30000	A604_697.3 S1 M1SD4	142	A604_697.3 P71 BN71B4	143







0.37 кВТ

P_2 МВт	M_2 Нм	S	i	R_{Σ} H				
2.1	1481	3.4	644.6	50000	A704_644.6 S1 M1SD4	146	A704_644.6 P71 BN71B4	147
2.2	1457	1.9	634.6	30000	A604_634.6 S1 M1SD4	142	A604_634.6 P71 BN71B4	143
2.2	1450	1.0	631.2	20000	A504_631.2 S1 M1SD4	134	A504_631.2 P71 BN71B4	135
2.3	1345	2.1	585.8	30000	A604_585.8 S1 M1SD4	142	A604_585.8 P71 BN71B4	143
2.4	1319	1.1	574.2	20000	A504_574.2 S1 M1SD4	134	A504_574.2 P71 BN71B4	135
2.5	1245	2.2	542.0	30000	A604_542.0 S1 M1SD4	142	A604_542.0 P71 BN71B4	143
2.6	1216	1.2	529.5	20000	A504_529.5 S1 M1SD4	134	A504_529.5 P71 BN71B4	135
2.7	1149	2.4	500.3	30000	A604_500.3 S1 M1SD4	142	A604_500.3 P71 BN71B4	143
2.8	1106	1.4	481.6	20000	A504_481.6 S1 M1SD4	134	A504_481.6 P71 BN71B4	135
3.1	1026	1.5	446.8	20000	A504_446.8 S1 M1SD4	134	A504_446.8 P71 BN71B4	135
3.1	1007	2.8	438.4	30000	A604_438.4 S1 M1SD4	142	A604_438.4 P71 BN71B4	143
3.4	933	1.6	406.4	20000	A504_406.4 S1 M1SD4	134	A504_406.4 P71 BN71B4	135
3.4	929	3.0	404.7	30000	A604_404.7 S1 M1SD4	142	A604_404.7 P71 BN71B4	143
3.6	885	1.0	376.8	15000	A413_376.8 S1 M1SD4	130	A413_376.8 P71 BN71B4	131
3.7	840	1.8	365.6	20000	A504_365.6 S1 M1SD4	134	A504_365.6 P71 BN71B4	135
3.9	807	3.5	351.2	30000	A604_351.2 S1 M1SD4	142	A604_351.2 P71 BN71B4	143
4.1	764	2.0	332.6	20000	A504_332.6 S1 M1SD4	134	A504_332.6 P71 BN71B4	135
4.2	761	1.1	324.2	15000	A413_324.2 S1 M1SD4	130	A413_324.2 P71 BN71B4	131
4.7	685	1.2	291.7	15000	A413_291.7 S1 M1SD4	130	A413_291.7 P71 BN71B4	131
4.8	659	2.3	286.8	20000	A504_286.8 S1 M1SD4	134	A504_286.8 P71 BN71B4	135
5.1	636	0.9	270.7	12000	A353_270.7 S1 M1SD4	126	A353_270.7 P71 BN71B4	127
5.2	616	1.4	262.5	15000	A413_262.5 S1 M1SD4	130	A413_262.5 P71 BN71B4	131
5.3	599	2.5	260.9	20000	A504_260.9 S1 M1SD4	134	A504_260.9 P71 BN71B4	135
5.5	583	1.0	248.1	12000	A353_248.1 S1 M1SD4	126	A353_248.1 P71 BN71B4	127
5.7	565	1.5	240.6	15000	A413_240.6 S1 M1SD4	130	A413_240.6 P71 BN71B4	131
5.9	533	2.8	232.0	20000	A504_232.0 S1 M1SD4	134	A504_232.0 P71 BN71B4	135
6.1	524	1.1	223.2	12000	A353_223.2 S1 M1SD4	126	A353_223.2 P71 BN71B4	127
6.3	511	1.7	217.4	15000	A413_217.4 S1 M1SD4	130	A413_217.4 P71 BN71B4	131
6.5	485	3.1	211.0	20000	A504_211.0 S1 M1SD4	134	A504_211.0 P71 BN71B4	135
6.8	474	1.3	201.8	12000	A353_201.8 S1 M1SD4	126	A353_201.8 P71 BN71B4	127
6.9	464	1.8	197.5	15000	A413_197.5 S1 M1SD4	130	A413_197.5 P71 BN71B4	131
7.2	448	3.4	190.6	20000	A504_190.6 S1 M1SD4	134	A504_190.6 P71 BN71B4	135
7.3	442	1.4	188.3	12000	A353_188.3 S1 M1SD4	126	A353_188.3 P71 BN71B4	127
7.4	433	2.0	184.4	15000	A413_184.4 S1 M1SD4	130	A413_184.4 P71 BN71B4	131
8.0	403	1.5	171.8	12000	A353_171.8 S1 M1SD4	126	A353_171.8 P71 BN71B4	127
9.1	354	0.9	150.7	9600	A303_150.7 S1 M1SD4	122	A303_150.7 P71 BN71B4	123
9.1	354	1.7	150.6	12000	A353_150.6 S1 M1SD4	126	A353_150.6 P71 BN71B4	127
9.3	345	2.5	146.9	15000	A413_146.9 S1 M1SD4	130	A413_146.9 P71 BN71B4	131
10.0	323	1.0	137.4	9600	A303_137.4 S1 M1SD4	122	A303_137.4 P71 BN71B4	123
10.0	320	1.8	136.3	12000	A353_136.3 S1 M1SD4	126	A353_136.3 P71 BN71B4	127
11.4	283	1.1	120.5	9600	A303_120.5 S1 M1SD4	122	A303_120.5 P71 BN71B4	123
11.7	275	2.0	116.9	12000	A353_116.9 S1 M1SD4	126	A353_116.9 P71 BN71B4	127
11.8	272	3.1	115.9	15000	A413_115.9 S1 M1SD4	130	A413_115.9 P71 BN71B4	131
12.6	256	1.2	109.1	9600	A303_109.1 S1 M1SD4	122	A303_109.1 P71 BN71B4	123
13.0	248	2.1	105.5	12000	A353_105.5 S1 M1SD4	126	A353_105.5 P71 BN71B4	127
14.1	237	1.3	97.5	9600	A302_97.5 S1 M1SD4	122	A302_97.5 P71 BN71B4	123
14.3	232	2.3	95.6	12000	A352_95.6 S1 M1SD4	126	A352_95.6 P71 BN71B4	127
15.8	210	1.5	86.7	9600	A302_86.7 S1 M1SD4	122	A302_86.7 P71 BN71B4	123
16.6	200	3.0	82.5	12000	A352_82.5 S1 M1SD4	126	A352_82.5 P71 BN71B4	127
17.2	194	1.1	79.9	6200	A202_79.9 S1 M1SD4	118	A202_79.9 P71 BN71B4	119
17.9	186	1.9	76.5	9600	A302_76.5 S1 M1SD4	122	A302_76.5 P71 BN71B4	123
18.4	180	3.3	74.3	12000	A352_74.3 S1 M1SD4	126	A352_74.3 P71 BN71B4	127







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R_2 MMH ¹	M_2 Hm	S	i	R_{-2} H				
19.3	172	1.2	71.0	6200	A202_71.0 S1 M1SD4	118	A202_71.0 P71 BN71B4	119
20.7	160	2.4	66.0	9350	A302_66.0 S1 M1SD4	122	A302_66.0 P71 BN71B4	123
20.8	160	0.9	65.9	5500	A102_65.9 S1 M1SD4	114	A102_65.9 P71 BN71B4	115
21.7	153	1.6	63.1	6200	A202_63.1 S1 M1SD4	118	A202_63.1 P71 BN71B4	119
23.1	144	2.8	59.4	9080	A302_59.4 S1 M1SD4	122	A302_59.4 P71 BN71B4	123
23.4	142	1.1	58.6	5500	A102_58.6 S1 M1SD4	114	A102_58.6 P71 BN71B4	115
25.5	130	1.9	53.7	6000	A202_53.7 S1 M1SD4	118	A202_53.7 P71 BN71B4	119
26.0	128	3.2	52.7	8790	A302_52.7 S1 M1SD4	122	A302_52.7 P71 BN71B4	123
26.7	124	1.2	51.3	5490	A102_51.3 S1 M1SD4	114	A102_51.3 P71 BN71B4	115
28.4	117	2.1	48.3	5940	A202_48.3 S1 M1SD4	118	A202_48.3 P71 BN71B4	119
28.4	117	3.5	48.3	8580	A302_48.3 S1 M1SD4	122	A302_48.3 P71 BN71B4	123
30.0	110	0.9	45.4	3060	A052_45.4 S1 M1SD4	111	A052_45.4 P71 BN71B4	111
30.0	110	1.4	45.4	5350	A102_45.4 S1 M1SD4	114	A102_45.4 P71 BN71B4	115
32	105	2.4	43.2	5780	A202_43.2 S1 M1SD4	118	A202_43.2 P71 BN71B4	119
34	99	1.0	40.9	3020	A052_40.9 S1 M1SD4	111	A052_40.9 P71 BN71B4	111
34	99	1.5	40.9	5500	A102_40.9 S1 M1SD4	114	A102_40.9 P71 BN71B4	115
35	96	2.6	39.6	5650	A202_39.6 S1 M1SD4	118	A202_39.6 P71 BN71B4	119
39	88	2.9	35.4	5490	A202_35.4 S1 M1SD4	118	A202_35.4 P71 BN71B4	119
39	85	1.2	35.1	2950	A052_35.1 S1 M1SD4	111	A052_35.1 P71 BN71B4	111
39	85	1.8	35.1	5040	A102_35.1 S1 M1SD4	114	A102_35.1 P71 BN71B4	115
43	78	1.3	32.2	2900	A052_32.2 S1 M1SD4	111	A052_32.2 P71 BN71B4	111
43	78	1.9	32.2	5500	A102_32.2 S1 M1SD4	114	A102_32.2 P71 BN71B4	115
44	76	3.3	31.3	5310	A202_31.3 S1 M1SD4	118	A202_31.3 P71 BN71B4	119
47	71	3.5	29.2	5210	A202_29.2 S1 M1SD4	118	A202_29.2 P71 BN71B4	119
48	69	1.4	28.6	2840	A052_28.6 S1 M1SD4	111	A052_28.6 P71 BN71B4	111
48	69	2.2	28.6	4790	A102_28.6 S1 M1SD4	114	A102_28.6 P71 BN71B4	115
54	62	1.6	25.5	2770	A052_25.5 S1 M1SD4	111	A052_25.5 P71 BN71B4	111
54	62	2.4	25.5	5500	A102_25.5 S1 M1SD4	114	A102_25.5 P71 BN71B4	115
58	58	1.7	23.8	2730	A052_23.8 S1 M1SD4	111	A052_23.8 P71 BN71B4	111
58	58	2.6	23.8	4570	A102_23.8 S1 M1SD4	114	A102_23.8 P71 BN71B4	115
64	52	1.9	21.4	2670	A052_21.4 S1 M1SD4	111	A052_21.4 P71 BN71B4	111
64	52	2.9	21.4	5270	A102_21.4 S1 M1SD4	114	A102_21.4 P71 BN71B4	115
74	45	2.2	18.6	2590	A052_18.6 S1 M1SD4	111	A052_18.6 P71 BN71B4	111
74	45	3.3	18.6	4270	A102_18.6 S1 M1SD4	114	A102_18.6 P71 BN71B4	115
83	40	2.5	16.4	2510	A052_16.4 S1 M1SD4	111	A052_16.4 P71 BN71B4	111
98	34	3.0	13.9	2410	A052_13.9 S1 M1SD4	111	A052_13.9 P71 BN71B4	111
111	30	3.3	12.3	2350	A052_12.3 S1 M1SD4	111	A052_12.3 P71 BN71B4	111
130	26	3.9	10.6	2240	A052_10.6 S1 M1SD4	111	A052_10.6 P71 BN71B4	111
142	23	4.3	9.6	2190	A052_9.6 S1 M1SD4	111	A052_9.6 P71 BN71B4	111
161	21	4.8	8.5	2120	A052_8.5 S1 M1SD4	111	A052_8.5 P71 BN71B4	111
190	17.5	5.7	7.2	2030	A052_7.2 S1 M1SD4	111	A052_7.2 P71 BN71B4	111
216	15.4	6.5	6.3	1950	A052_6.3 S1 M1SD4	111	A052_6.3 P71 BN71B4	111
228	14.6	6.8	12.3	1920	A052_12.3 S05 M05C2	111	A052_12.3 P71 BN71A2	111
251	13.3	7.2	5.5	1870	A052_5.5 S1 M1SD4	111	A052_5.5 P71 BN71B4	111
265	12.5	6.4	10.6	1830	A052_10.6 S05 M05C2	111	A052_10.6 P71 BN71A2	111
291	11.4	8.3	9.6	1790	A052_9.6 S05 M05C2	111	A052_9.6 P71 BN71A2	111
331	10.0	9.0	8.5	1720	A052_8.5 S05 M05C2	111	A052_8.5 P71 BN71A2	111
388	8.6	9.9	7.2	1640	A052_7.2 S05 M05C2	111	A052_7.2 P71 BN71A2	111
445	7.5	10.7	6.3	1570	A052_6.3 S05 M05C2	111	A052_6.3 P71 BN71A2	111
512	6.5	11.6	5.5	1500	A052_5.5 S05 M05C2	111	A052_5.5 P71 BN71A2	111



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n_2 MIN ⁻¹	M_2 Nm	S	i	R_{02} H				
0.56	8299	1.7	1632	75000	A904_1632 S2 M2SA6	152	A904_1632 P80 BN80A4	153
0.64	7310	1.1	1438	65000	A804_1438 S2 M2SA6	149	A804_1438 P80 BN80B6	150
0.75	6213	2.3	1222	75000	A904_1222 S2 M2SA6	152	A904_1222 P80 BN80B6	153
0.80	5813	0.9	1715	50000	A704_1715 S1 M1LA4	146	A704_1715 P80 BN80A4	147
0.85	5532	2.5	1632	75000	A904_1632 S1 M1LA4	152	A904_1632 P80 BN80A4	153
0.87	5365	0.9	1583	50000	A704_1583 S1 M1LA4	146	A704_1583 P80 BN80A4	147
0.89	5279	1.5	1558	65000	A804_1558 S1 M1LA4	149	A804_1558 P80 BN80A4	150
0.92	5070	2.8	1507	75000	A904_1507 S1 M1LA4	152	A904_1507 P80 BN80A4	153
0.96	4873	1.6	1438	65000	A804_1438 S1 M1LA4	149	A804_1438 P80 BN80A4	150
1.00	4561	1.1	1346	50000	A704_1346 S1 M1LA4	146	A704_1346 P80 BN80A4	147
1.00	4541	1.8	1340	65000	A804_1340 S1 M1LA4	149	A804_1340 P80 BN80A4	150
1.00	4455	3.1	1324	75000	A904_1324 S1 M1LA4	152	A904_1324 P80 BN80A4	153
1.1	4211	1.2	1242	50000	A704_1242 S1 M1LA4	146	A704_1242 P80 BN80A4	147
1.1	4192	1.9	1237	65000	A804_1237 S1 M1LA4	149	A804_1237 P80 BN80A4	150
1.1	4112	3.4	1222	75000	A904_1222 S1 M1LA4	152	A904_1222 P80 BN80A4	153
1.2	3937	1.3	1161	50000	A704_1161 S1 M1LA4	146	A704_1161 P80 BN80A4	147
1.3	3677	2.2	1085	65000	A804_1085 S1 M1LA4	149	A804_1085 P80 BN80A4	150
1.3	3634	1.4	1072	50000	A704_1072 S1 M1LA4	146	A704_1072 P80 BN80A4	147
1.4	3394	2.4	1001	65000	A804_1001 S1 M1LA4	149	A804_1001 P80 BN80A4	150
1.5	3140	1.6	926.5	50000	A704_926.5 S1 M1LA4	146	A704_926.5 P80 BN80A4	147
1.5	3046	2.6	898.7	65000	A804_898.7 S1 M1LA4	149	A804_898.7 P80 BN80A4	150
1.6	2899	1.7	855.3	50000	A704_855.3 S1 M1LA4	146	A704_855.3 P80 BN80A4	147
1.7	2811	2.8	829.5	65000	A804_829.5 S1 M1LA4	149	A804_829.5 P80 BN80A4	150
1.8	2589	1.9	763.9	50000	A704_763.9 S1 M1LA4	146	A704_763.9 P80 BN80A4	147
1.8	2583	3.1	762.1	65000	A804_762.1 S1 M1LA4	149	A804_762.1 P80 BN80A4	150
1.8	2560	1.1	755.4	30000	A604_755.4 S1 M1LA4	142	A604_755.4 P80 BN80A4	143
2.0	2390	2.1	705.1	50000	A704_705.1 S1 M1LA4	146	A704_705.1 P80 BN80A4	147
2.0	2384	3.4	703.5	65000	A804_703.5 S1 M1LA4	149	A804_703.5 P80 BN80A4	150
2.0	2363	1.2	697.3	30000	A604_697.3 S1 M1LA4	142	A604_697.3 P80 BN80A4	143
2.1	2185	2.3	644.6	50000	A704_644.6 S1 M1LA4	146	A704_644.6 P80 BN80A4	147
2.2	2151	1.3	634.6	30000	A604_634.6 S1 M1LA4	142	A604_634.6 P80 BN80A4	143
2.3	2017	2.5	595.0	50000	A704_595.0 S1 M1LA4	146	A704_595.0 P80 BN80A4	147
2.4	1985	1.4	585.8	30000	A604_585.8 S1 M1LA4	142	A604_585.8 P80 BN80A4	143
2.5	1837	1.5	542.0	30000	A604_542.0 S1 M1LA4	142	A604_542.0 P80 BN80A4	143
2.7	1747	2.9	515.4	50000	A704_515.4 S1 M1LA4	146	A704_515.4 P80 BN80A4	147
2.8	1696	1.7	500.3	30000	A604_500.3 S1 M1LA4	142	A604_500.3 P80 BN80A4	143
2.9	1632	0.9	481.6	20000	A504_481.6 S1 M1LA4	134	A504_481.6 P80 BN80A4	135
2.9	1612	3.1	475.8	50000	A704_475.8 S1 M1LA4	146	A704_475.8 P80 BN80A4	147
3.1	1514	1.0	446.8	20000	A504_446.8 S1 M1LA4	134	A504_446.8 P80 BN80A4	135
3.1	1486	1.9	438.4	30000	A604_438.4 S1 M1LA4	142	A604_438.4 P80 BN80A4	143
3.4	1378	1.1	406.4	20000	A504_406.4 S1 M1LA4	134	A504_406.4 P80 BN80A4	135
3.4	1372	2.0	404.7	30000	A604_404.7 S1 M1LA4	142	A604_404.7 P80 BN80A4	143
3.8	1239	1.2	365.6	20000	A504_365.6 S1 M1LA4	134	A504_365.6 P80 BN80A4	135
3.9	1190	2.4	351.2	30000	A604_351.2 S1 M1LA4	142	A604_351.2 P80 BN80A4	143
4.1	1127	1.3	332.6	20000	A504_332.6 S1 M1LA4	134	A504_332.6 P80 BN80A4	135
4.3	1099	2.5	324.2	30000	A604_324.2 S1 M1LA4	142	A604_324.2 P80 BN80A4	143
4.8	972	1.5	286.8	20000	A504_286.8 S1 M1LA4	134	A504_286.8 P80 BN80A4	135
4.8	970	2.9	286.3	30000	A604_286.3 S1 M1LA4	142	A604_286.3 P80 BN80A4	143
5.2	896	3.1	264.3	30000	A604_264.3 S1 M1LA4	142	A604_264.3 P80 BN80A4	143
5.3	910	0.9	262.5	15000	A413_262.5 S1 M1LA4	130	A413_262.5 P80 BN80A4	131
5.3	884	1.7	260.9	20000	A504_260.9 S1 M1LA4	134	A504_260.9 P80 BN80A4	135
5.7	834	1.0	240.6	15000	A413_240.6 S1 M1LA4	130	A413_240.6 P80 BN80A4	131






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n_2 mm ²	M_2 Nm	S	i	R_{a2} H				
5.9	786	1.9	232.0	20000	A504_232.0 S1 M1LA4	134	A504_232.0 P80 BN80A4	135
6.3	753	1.1	217.4	15000	A413_217.4 S1 M1LA4	130	A413_217.4 P80 BN80A4	131
6.5	715	2.1	211.0	20000	A504_211.0 S1 M1LA4	134	A504_211.0 P80 BN80A4	135
7.0	685	1.2	197.5	15000	A413_197.5 S1 M1LA4	130	A413_197.5 P80 BN80A4	131
7.1	673	3.0	194.2	30000	A553_194.2 S1 M1LA4	138	A553_194.2 P80 BN80A4	139
7.2	660	2.3	190.6	20000	A503_190.6 S1 M1LA4	134	A503_190.6 P80 BN80A4	135
7.3	653	0.9	188.3	12000	A353_188.3 S1 M1LA4	126	A353_188.3 P80 BN80A4	127
7.5	639	1.3	184.4	15000	A413_184.4 S1 M1LA4	130	A413_184.4 P80 BN80A4	131
7.9	607	3.3	175.0	30000	A553_175.0 S1 M1LA4	138	A553_175.0 P80 BN80A4	139
8.0	601	2.5	173.4	20000	A503_173.4 S1 M1LA4	134	A503_173.4 P80 BN80A4	135
8.0	595	1.0	171.8	12000	A353_171.8 S1 M1LA4	126	A353_171.8 P80 BN80A4	127
9.0	532	2.8	154.6	20000	A503_154.6 S1 M1LA4	134	A503_154.6 P80 BN80A4	135
9.2	522	1.1	150.6	12000	A353_150.6 S1 M1LA4	126	A353_150.6 P80 BN80A4	127
9.4	509	1.7	146.9	15000	A413_146.9 S1 M1LA4	130	A413_146.9 P80 BN80A4	131
9.9	484	3.1	140.6	20000	A503_140.6 S1 M1LA4	134	A503_140.6 P80 BN80A4	135
10.1	472	1.2	136.3	12000	A353_136.3 S1 M1LA4	126	A353_136.3 P80 BN80A4	127
10.7	446	3.4	129.7	20000	A503_129.7 S1 M1LA4	134	A503_129.7 P80 BN80A4	135
11.8	405	1.4	116.9	12000	A353_116.9 S1 M1LA4	126	A353_116.9 P80 BN80A4	127
11.9	402	2.1	115.9	15000	A413_115.9 S1 M1LA4	130	A413_115.9 P80 BN80A4	131
13.1	366	1.4	105.5	12000	A353_105.5 S1 M1LA4	126	A353_105.5 P80 BN80A4	127
14.2	349	0.9	97.5	9600	A302_97.5 S1 M1LA4	122	A302_97.5 P80 BN80A4	123
14.4	342	1.6	95.6	12000	A352_95.6 S1 M1LA4	126	A352_95.6 P80 BN80A4	127
14.9	321	2.5	92.8	15000	A413_92.8 S1 M1LA4	130	A413_92.8 P80 BN80A4	131
15.9	310	1.0	86.7	9420	A302_86.7 S1 M1LA4	122	A302_86.7 P80 BN80A4	123
16.7	295	2.0	82.5	12000	A352_82.5 S1 M1LA4	126	A352_82.5 P80 BN80A4	127
17.4	284	3.0	79.2	15000	A412_79.2 S1 M1LA4	130	A412_79.2 P80 BN80A4	131
18.0	274	1.3	76.5	9180	A302_76.5 S1 M1LA4	122	A302_76.5 P80 BN80A4	123
18.6	266	2.3	74.3	12000	A352_74.3 S1 M1LA4	126	A352_74.3 P80 BN80A4	127
19.4	255	3.3	71.3	15000	A412_71.3 S1 M1LA4	130	A412_71.3 P80 BN80A4	131
20.9	236	1.6	66.0	8880	A302_66.0 S1 M1LA4	122	A302_66.0 P80 BN80A4	123
21.0	236	2.5	65.8	12000	A352_65.8 S1 M1LA4	126	A352_65.8 P80 BN80A4	127
21.9	226	1.1	63.1	5840	A202_63.1 S1 M1LA4	118	A202_63.1 P80 BN80A4	119
22.9	216	2.8	60.4	12000	A352_60.4 S1 M1LA4	126	A352_60.4 P80 BN80A4	127
23.2	213	1.9	59.4	8660	A302_59.4 S1 M1LA4	122	A302_59.4 P80 BN80A4	123
25.4	194	3.1	54.3	12000	A352_54.3 S1 M1LA4	126	A352_54.3 P80 BN80A4	127
25.7	192	1.3	53.7	5670	A202_53.7 S1 M1LA4	118	A202_53.7 P80 BN80A4	119
26.2	189	2.2	52.7	8410	A302_52.7 S1 M1LA4	122	A302_52.7 P80 BN80A4	123
28.1	176	3.4	49.1	12000	A352_49.1 S1 M1LA4	126	A352_49.1 P80 BN80A4	127
28.6	173	1.4	48.3	5560	A202_48.3 S1 M1LA4	118	A202_48.3 P80 BN80A4	119
28.6	173	2.4	48.3	8230	A302_48.3 S1 M1LA4	122	A302_48.3 P80 BN80A4	123
30.0	163	0.9	45.4	4910	A102_45.4 S1 M1LA4	114	A102_45.4 P80 BN80A4	115
32	155	2.6	43.4	8010	A302_43.4 S1 M1LA4	122	A302_43.4 P80 BN80A4	123
32	155	1.6	43.2	5440	A202_43.2 S1 M1LA4	118	A202_43.2 P80 BN80A4	119
34	146	1.0	40.9	5500	A102_40.9 S1 M1LA4	114	A102_40.9 P80 BN80A4	115
35	142	1.8	39.6	5340	A202_39.6 S1 M1LA4	118	A202_39.6 P80 BN80A4	119
35	141	2.9	39.3	7800	A302_39.3 S1 M1LA4	122	A302_39.3 P80 BN80A4	123
38	131	3.1	36.6	7960	A302_36.6 S1 M1LA4	122	A302_36.6 P80 BN80A4	123
39	127	2.0	35.4	5200	A202_35.4 S1 M1LA4	118	A202_35.4 P80 BN80A4	119
39	126	1.2	35.1	4700	A102_35.1 S1 M1LA4	114	A102_35.1 P80 BN80A4	115
41	120	3.4	33.4	7480	A302_33.4 S1 M1LA4	122	A302_33.4 P80 BN80A4	123
43	115	1.3	32.2	5490	A102_32.2 S1 M1LA4	114	A102_32.2 P80 BN80A4	115
44	112	2.2	31.3	5060	A202_31.3 S1 M1LA4	118	A202_31.3 P80 BN80A4	119



0.55 кВТ





P_2 МВт	M_2 Нм	S	i	R_{Σ} H				
47	105	2.4	29.2	4970	A202_29.2 S1 M1LA4	118	A202_29.2 P80 BN80A4	119
48	102	1.0	28.6	2550	A052_28.6 S1 M1LA4	111	A052_28.6 P80 BN80A4	111
48	102	1.5	28.6	4510	A102_28.6 S1 M1LA4	114	A102_28.6 P80 BN80A4	115
52	95	2.6	26.5	4850	A202_26.5 S1 M1LA4	118	A202_26.5 P80 BN80A4	119
54	91	1.1	25.5	2510	A052_25.5 S1 M1LA4	111	A052_25.5 P80 BN80A4	111
54	91	1.6	25.5	5230	A102_25.5 S1 M1LA4	114	A102_25.5 P80 BN80A4	115
58	85	1.2	23.8	2490	A052_23.8 S1 M1LA4	111	A052_23.8 P80 BN80A4	111
58	85	1.8	23.8	4330	A102_23.8 S1 M1LA4	114	A102_23.8 P80 BN80A4	115
60	83	3.0	23.1	4690	A202_23.1 S1 M1LA4	118	A202_23.1 P80 BN80A4	119
65	76	1.3	21.4	2450	A052_21.4 S1 M1LA4	111	A052_21.4 P80 BN80A4	111
65	76	2.0	21.4	5020	A102_21.4 S1 M1LA4	114	A102_21.4 P80 BN80A4	115
65	76	3.3	21.2	4590	A202_21.2 S1 M1LA4	118	A202_21.2 P80 BN80A4	119
74	66	1.5	18.6	2400	A052_18.6 S1 M1LA4	111	A052_18.6 P80 BN80A4	111
74	66	2.3	18.6	4090	A102_18.6 S1 M1LA4	114	A102_18.6 P80 BN80A4	115
84	59	1.7	16.4	2340	A052_16.4 S1 M1LA4	111	A052_16.4 P80 BN80A4	111
84	59	2.5	16.4	4710	A102_16.4 S1 M1LA4	114	A102_16.4 P80 BN80A4	115
99	50	2.0	13.9	2270	A052_13.9 S1 M1LA4	111	A052_13.9 P80 BN80A4	111
99	50	3.0	13.9	3900	A102_13.9 S1 M1LA4	114	A102_13.9 P80 BN80A4	115
112	44	2.3	12.3	2220	A052_12.3 S1 M1LA4	111	A052_12.3 P80 BN80A4	111
112	44	3.2	12.3	3670	A102_12.3 S1 M1LA4	114	A102_12.3 P80 BN80A4	115
131	38	2.6	10.6	2130	A052_10.6 S1 M1LA4	111	A052_10.6 P80 BN80A4	111
144	34	2.9	9.6	2100	A052_9.6 S1 M1LA4	111	A052_9.6 P80 BN80A4	111
162	30	3.3	8.5	2030	A052_8.5 S1 M1LA4	111	A052_8.5 P80 BN80A4	111
171	29	3.1	16.4	2000	A052_16.4 S1 M1SD2	111	A052_16.4 P71 BN71B2	111
191	26	3.9	7.2	1950	A052_7.2 S1 M1LA4	111	A052_7.2 P80 BN80A4	111
218	23	4.4	6.3	1880	A052_6.3 S1 M1LA4	111	A052_6.3 P80 BN80A4	111
229	22	4.6	12.3	1860	A052_12.3 S1 M1SD2	111	A052_12.3 P71 BN71B2	111
252	19.6	4.9	5.5	1810	A052_5.5 S1 M1LA4	111	A052_5.5 P80 BN80A4	111
267	18.5	4.3	10.6	1780	A052_10.6 S1 M1SD2	111	A052_10.6 P71 BN71B2	111
293	16.8	5.6	9.6	1740	A052_9.6 S1 M1SD2	111	A052_9.6 P71 BN71B2	111
331	14.9	6.0	8.5	1680	A052_8.5 S1 M1SD2	111	A052_8.5 P71 BN71B2	111
391	12.6	6.7	7.2	1600	A052_7.2 S1 M1SD2	111	A052_7.2 P71 BN71B2	111
445	11.1	7.2	6.3	1540	A052_6.3 S1 M1SD2	111	A052_6.3 P71 BN71B2	111
516	9.6	7.8	5.5	1480	A052_5.5 S1 M1SD2	111	A052_5.5 P71 BN71B2	111

0.75 кВТ

0.56	11316	1.2	1632	75000	A904_1632 S2 M2SB6	152	A904_1632 P90 BN90S6	153
0.61	10446	1.3	1507	75000	A904_1507 S2 M2SB6	152	A904_1507 P90 BN90S6	153
0.69	9179	1.5	1324	75000	A904_1324 S2 M2SB6	152	A904_1324 P90 BN90S6	153
0.75	8473	1.7	1222	75000	A904_1222 S2 M2SB6	152	A904_1222 P90 BN90S6	153
0.86	7436	1.9	1632	75000	A904_1632 S2 M2SA4	152	A904_1632 P80 BN80B4	153
0.90	7096	1.1	1558	65000	A804_1558 S2 M2SA4	149	A804_1558 P80 BN80B4	150
0.93	6864	2.0	1507	75000	A904_1507 S2 M2SA4	152	A904_1507 P80 BN80B4	153
0.97	6550	1.2	1438	65000	A804_1438 S2 M2SA4	149	A804_1438 P80 BN80B4	150
1.00	6104	1.3	1340	65000	A804_1340 S2 M2SA4	149	A804_1340 P80 BN80B4	150
1.1	6032	2.3	1324	75000	A904_1324 S2 M2SA4	152	A904_1324 P80 BN80B4	153
1.1	5660	0.9	1242	50000	A704_1242 S2 M2SA4	146	A704_1242 P80 BN80B4	147
1.1	5635	1.4	1237	65000	A804_1237 S2 M2SA4	149	A804_1237 P80 BN80B4	150







0.75 κBT

R_2 MMH ¹	M_2 Hm	S	i	R_{-2} H				
1.1	5568	2.5	1222	75000	A904_1222 S2 M2SA4	152	A904_1222 P80 BN80B4	153
1.2	5291	0.9	1161	50000	A704_1161 S2 M2SA4	146	A704_1161 P80 BN80B4	147
1.3	5060	2.8	1111	75000	A904_1111 S2 M2SA4	152	A904_1111 P80 BN80B4	153
1.3	4942	1.6	1085	65000	A804_1085 S2 M2SA4	149	A804_1085 P80 BN80B4	150
1.3	4884	1.0	1072	50000	A704_1072 S2 M2SA4	146	A704_1072 P80 BN80B4	147
1.4	4670	3.0	1025	75000	A904_1025 S2 M2SA4	152	A904_1025 P80 BN80B4	153
1.4	4562	1.8	1001	65000	A804_1001 S2 M2SA4	149	A804_1001 P80 BN80B4	150
1.5	4270	3.3	937.2	75000	A904_937.2 S2 M2SA4	152	A904_937.2 P80 BN80B4	153
1.5	4221	1.2	926.5	50000	A704_926.5 S2 M2SA4	146	A704_926.5 P80 BN80B4	147
1.6	4094	2.0	898.7	65000	A804_898.7 S2 M2SA4	149	A804_898.7 P80 BN80B4	150
1.6	3896	1.3	855.3	50000	A704_855.3 S2 M2SA4	146	A704_855.3 P80 BN80B4	147
1.7	3779	2.1	829.5	65000	A804_829.5 S2 M2SA4	149	A804_829.5 P80 BN80B4	150
1.8	3480	1.4	763.9	50000	A704_763.9 S2 M2SA4	146	A704_763.9 P80 BN80B4	147
1.8	3472	2.3	762.1	65000	A804_762.1 S2 M2SA4	149	A804_762.1 P80 BN80B4	150
2.0	3212	1.6	705.1	50000	A704_705.1 S2 M2SA4	146	A704_705.1 P80 BN80B4	147
2.0	3205	2.5	703.5	65000	A804_703.5 S2 M2SA4	149	A804_703.5 P80 BN80B4	150
2.0	3177	0.9	697.3	30000	A604_697.3 S2 M2SA4	142	A604_697.3 P80 BN80B4	143
2.2	2937	1.7	644.6	50000	A704_644.6 S2 M2SA4	146	A704_644.6 P80 BN80B4	147
2.2	2891	1.0	634.6	30000	A604_634.6 S2 M2SA4	142	A604_634.6 P80 BN80B4	143
2.3	2766	2.9	607.2	65000	A804_607.2 S2 M2SA4	149	A804_607.2 P80 BN80B4	150
2.4	2711	1.8	595.0	50000	A704_595.0 S2 M2SA4	146	A704_595.0 P80 BN80B4	147
2.4	2669	1.0	585.8	30000	A604_585.8 S2 M2SA4	142	A604_585.8 P80 BN80B4	143
2.5	2553	3.1	560.5	65000	A804_560.5 S2 M2SA4	149	A804_560.5 P80 BN80B4	150
2.6	2489	1.1	542.0	30000	A604_542.0 S2 M2SA4	142	A604_542.0 P80 BN80B4	143
2.7	2348	2.1	515.4	50000	A704_515.4 S2 M2SA4	146	A704_515.4 P80 BN80B4	147
2.8	2279	1.2	500.3	30000	A604_500.3 S2 M2SA4	142	A604_500.3 P80 BN80B4	143
2.9	2167	2.3	475.8	50000	A704_475.8 S2 M2SA4	146	A704_475.8 P80 BN80B4	147
3.2	1997	1.4	438.4	30000	A604_438.4 S2 M2SA4	142	A604_438.4 P80 BN80B4	143
3.5	1844	1.5	404.7	30000	A604_404.7 S2 M2SA4	142	A604_404.7 P80 BN80B4	143
3.5	1823	2.7	400.2	50000	A704_400.2 S2 M2SA4	146	A704_400.2 P80 BN80B4	147
3.8	1683	3.0	369.4	50000	A704_369.4 S2 M2SA4	146	A704_369.4 P80 BN80B4	147
3.8	1666	0.9	365.6	20000	A504_365.6 S2 M2SA4	134	A504_365.6 P80 BN80B4	135
4.0	1600	1.8	351.2	30000	A604_351.2 S2 M2SA4	142	A604_351.2 P80 BN80B4	143
4.2	1515	1.0	332.6	20000	A504_332.6 S2 M2SA4	134	A504_332.6 P80 BN80B4	135
4.3	1477	1.9	324.2	30000	A604_324.2 S2 M2SA4	142	A604_324.2 P80 BN80B4	143
4.4	1441	3.5	316.4	50000	A704_316.4 S2 M2SA4	146	A704_316.4 P80 BN80B4	147
4.9	1307	1.1	286.8	20000	A504_286.8 S2 M2SA4	134	A504_286.8 P80 BN80B4	135
4.9	1304	2.1	286.3	30000	A604_286.3 S2 M2SA4	142	A604_286.3 P80 BN80B4	143
5.3	1204	2.3	264.3	30000	A604_264.3 S2 M2SA4	142	A604_264.3 P80 BN80B4	143
5.4	1189	1.3	260.9	20000	A504_260.9 S2 M2SA4	134	A504_260.9 P80 BN80B4	135
6.0	1057	1.4	232.0	20000	A504_232.0 S2 M2SA4	134	A504_232.0 P80 BN80B4	135
6.2	1030	2.7	226.1	30000	A604_226.1 S2 M2SA4	142	A604_226.1 P80 BN80B4	143
6.6	961	1.6	211.0	20000	A504_211.0 S2 M2SA4	134	A504_211.0 P80 BN80B4	135
6.7	951	2.9	208.7	30000	A604_208.7 S2 M2SA4	142	A604_208.7 P80 BN80B4	143
7.1	920	0.9	197.5	15000	A413_197.5 S2 M2SA4	130	A413_197.5 P80 BN80B4	131
7.2	905	2.2	194.2	30000	A553_194.2 S2 M2SA4	138	A553_194.2 P80 BN80B4	139
7.3	888	1.7	190.6	20000	A503_190.6 S2 M2SA4	134	A503_190.6 P80 BN80B4	135
7.5	865	3.2	185.8	30000	A603_185.8 S2 M2SA4	142	A603_185.8 P80 BN80B4	143
7.6	859	1.0	184.4	15000	A413_184.4 S2 M2SA4	130	A413_184.4 P80 BN80B4	131
8.0	815	2.5	175.0	30000	A553_175.0 S2 M2SA4	138	A553_175.0 P80 BN80B4	139
8.1	806	1.9	173.4	20000	A503_173.4 S2 M2SA4	134	A503_173.4 P80 BN80B4	135
8.2	799	3.5	171.5	30000	A603_171.5 S2 M2SA4	142	A603_171.5 P80 BN80B4	143







0.75 kBT





P_2 MVA	M_2 Hz	S	i	R_{02} H				
8.7	747	2.7	100.4	30000	A553_160.4 S2 M2SA4	138	A553_160.4 P80 BN80B4	139
9.1	720	2.1	154.6	20000	A503_154.6 S2 M2SA4	134	A503_154.6 P80 BN80B4	135
9.5	684	1.2	146.9	15000	A413_146.9 S2 M2SA4	130	A413_146.9 P80 BN80B4	131
9.5	684	2.9	146.8	30000	A553_146.8 S2 M2SA4	138	A553_146.8 P80 BN80B4	139
10.0	655	2.3	140.6	20000	A503_140.6 S2 M2SA4	134	A503_140.6 P80 BN80B4	135
10.3	635	0.9	136.3	12000	A353_136.3 S2 M2SA4	126	A353_136.3 P80 BN80B4	127
10.6	618	3.2	132.7	30000	A553_132.7 S2 M2SA4	138	A553_132.7 P80 BN80B4	139
10.8	604	2.5	129.7	20000	A503_129.7 S2 M2SA4	134	A503_129.7 P80 BN80B4	135
11.3	577	3.5	123.9	30000	A553_123.9 S2 M2SA4	138	A553_123.9 P80 BN80B4	139
11.9	549	2.7	118.0	20000	A503_118.0 S2 M2SA4	134	A503_118.0 P80 BN80B4	135
12.0	545	1.0	116.9	12000	A353_116.9 S2 M2SA4	126	A353_116.9 P80 BN80B4	127
12.1	540	1.6	115.9	15000	A413_115.9 S2 M2SA4	130	A413_115.9 P80 BN80B4	131
12.8	510	2.9	109.4	20000	A503_109.4 S2 M2SA4	134	A503_109.4 P80 BN80B4	135
13.3	492	1.1	105.5	12000	A353_105.5 S2 M2SA4	126	A353_105.5 P80 BN80B4	127
14.1	464	3.2	99.5	20000	A503_99.5 S2 M2SA4	134	A503_99.5 P80 BN80B4	135
14.6	460	1.2	95.6	12000	A352_95.6 S2 M2SA4	126	A352_95.6 P80 BN80B4	127
15.1	432	1.9	92.8	15000	A413_92.8 S2 M2SA4	130	A413_92.8 P80 BN80B4	131
17.0	397	1.5	82.5	12000	A352_82.5 S2 M2SA4	126	A352_82.5 P80 BN80B4	127
17.7	381	2.2	79.2	15000	A412_79.2 S2 M2SA4	130	A412_79.2 P80 BN80B4	131
18.3	368	1.0	76.5	8580	A302_76.5 S2 M2SA4	122	A302_76.5 P80 BN80B4	123
18.8	357	1.7	74.3	12000	A352_74.3 S2 M2SA4	126	A352_74.3 P80 BN80B4	127
19.6	343	2.5	71.3	15000	A412_71.3 S2 M2SA4	130	A412_71.3 P80 BN80B4	131
21.2	318	1.2	66.0	8360	A302_66.0 S2 M2SA4	122	A302_66.0 P80 BN80B4	123
21.3	317	1.9	65.8	12000	A352_65.8 S2 M2SA4	126	A352_65.8 P80 BN80B4	127
21.8	309	2.8	64.2	15000	A412_64.2 S2 M2SA4	130	A412_64.2 P80 BN80B4	131
23.2	290	2.1	60.4	12000	A352_60.4 S2 M2SA4	126	A352_60.4 P80 BN80B4	127
23.6	286	1.4	59.4	8190	A302_59.4 S2 M2SA4	122	A302_59.4 P80 BN80B4	123
23.8	283	3.0	58.8	15000	A412_58.8 S2 M2SA4	130	A412_58.8 P80 BN80B4	131
25.8	261	2.3	54.3	12000	A352_54.3 S2 M2SA4	126	A352_54.3 P80 BN80B4	127
26.1	258	1.0	53.7	5210	A202_53.7 S2 M2SA4	118	A202_53.7 P80 BN80B4	119
26.3	256	3.3	53.1	15000	A412_53.1 S2 M2SA4	130	A412_53.1 P80 BN80B4	131
26.6	253	1.6	52.7	7900	A302_52.7 S2 M2SA4	122	A302_52.7 P80 BN80B4	123
28.5	236	2.5	49.1	12000	A352_49.1 S2 M2SA4	126	A352_49.1 P80 BN80B4	127
29.0	232	1.1	48.3	5140	A202_48.3 S2 M2SA4	118	A202_48.3 P80 BN80B4	119
29.0	232	1.8	48.3	7840	A302_48.3 S2 M2SA4	122	A302_48.3 P80 BN80B4	123
31	220	2.7	45.8	12000	A352_45.8 S2 M2SA4	126	A352_45.8 P80 BN80B4	127
32	209	2.0	43.4	7660	A302_43.4 S2 M2SA4	122	A302_43.4 P80 BN80B4	123
32	208	1.2	43.2	5060	A202_43.2 S2 M2SA4	118	A202_43.2 P80 BN80B4	119
34	201	3.0	41.8	11900	A352_41.8 S2 M2SA4	126	A352_41.8 P80 BN80B4	127
35	191	1.3	39.6	4990	A202_39.6 S2 M2SA4	118	A202_39.6 P80 BN80B4	119
36	189	2.2	39.3	7480	A302_39.3 S2 M2SA4	122	A302_39.3 P80 BN80B4	123
38	176	2.3	36.6	7360	A302_36.6 S2 M2SA4	122	A302_36.6 P80 BN80B4	123
38	176	3.4	36.6	11500	A352_36.6 S2 M2SA4	126	A352_36.6 P80 BN80B4	127
40	170	1.5	35.4	4690	A202_35.4 S2 M2SA4	118	A202_35.4 P80 BN80B4	119
40	169	0.9	35.1	4320	A102_35.1 S2 M2SA4	114	A102_35.1 P80 BN80B4	115
42	161	2.5	33.4	7200	A302_33.4 S2 M2SA4	122	A302_33.4 P80 BN80B4	123
43	155	1.0	32.2	5080	A102_32.2 S2 M2SA4	114	A102_32.2 P80 BN80B4	115
45	151	1.7	31.3	4780	A202_31.3 S2 M2SA4	118	A202_31.3 P80 BN80B4	119
48	141	2.9	29.3	6960	A302_29.3 S2 M2SA4	122	A302_29.3 P80 BN80B4	123
48	141	1.8	29.2	4710	A202_29.2 S2 M2SA4	118	A202_29.2 P80 BN80B4	119
49	137	1.1	28.6	4200	A102_28.6 S2 M2SA4	114	A102_28.6 P80 BN80B4	115
53	128	3.2	26.5	6790	A302_26.5 S2 M2SA4	122	A302_26.5 P80 BN80B4	123



0.75 kBT




I_n MVA ⁻¹	M_2 Hm	S	i	R_{02} H				
53	127	2.0	26.5	4620	A202_26.5 S2 M2SA4	118	A202_26.5 P80 BN80B4	119
55	123	1.2	25.5	4900	A102_25.5 S2 M2SA4	114	A102_25.5 P80 BN80B4	115
59	114	1.3	23.8	4070	A102_23.8 S2 M2SA4	114	A102_23.8 P80 BN80B4	115
61	111	2.2	23.1	4480	A202_23.1 S2 M2SA4	118	A202_23.1 P80 BN80B4	119
66	103	1.0	21.4	2210	A052_21.4 S2 M2SA4	111	A052_21.4 P80 BN80B4	111
66	103	1.5	21.4	4740	A102_21.4 S2 M2SA4	114	A102_21.4 P80 BN80B4	115
66	102	2.4	21.2	4300	A202_21.2 S2 M2SA4	118	A202_21.2 P80 BN80B4	119
75	89	1.1	18.6	2190	A052_18.6 S2 M2SA4	111	A052_18.6 P80 BN80B4	111
75	89	1.7	18.6	3880	A102_18.6 S2 M2SA4	114	A102_18.6 P80 BN80B4	115
77	87	2.9	18.1	4230	A202_18.1 S2 M2SA4	118	A202_18.1 P80 BN80B4	119
85	79	1.3	16.4	2160	A052_16.4 S2 M2SA4	111	A052_16.4 P80 BN80B4	111
85	79	1.9	16.4	4490	A102_16.4 S2 M2SA4	114	A102_16.4 P80 BN80B4	115
87	78	3.2	16.2	4110	A202_16.2 S2 M2SA4	118	A202_16.2 P80 BN80B4	119
101	67	1.5	13.9	2110	A052_13.9 S2 M2SA4	111	A052_13.9 P80 BN80B4	111
101	67	2.2	13.9	3640	A102_13.9 S2 M2SA4	114	A102_13.9 P80 BN80B4	115
114	59	1.7	12.3	2080	A052_12.3 S2 M2SA4	111	A052_12.3 P80 BN80B4	111
114	59	2.4	12.3	3530	A102_12.3 S2 M2SA4	114	A102_12.3 P80 BN80B4	115
133	51	2.0	10.6	2010	A052_10.6 S2 M2SA4	111	A052_10.6 P80 BN80B4	111
133	51	3.0	10.6	3400	A102_10.6 S2 M2SA4	114	A102_10.6 P80 BN80B4	115
146	46	2.2	9.6	1990	A052_9.6 S2 M2SA4	111	A052_9.6 P80 BN80B4	111
146	46	3.0	9.6	3320	A102_9.6 S2 M2SA4	114	A102_9.6 P80 BN80B4	115
164	41	2.4	8.5	1940	A052_8.5 S2 M2SA4	111	A052_8.5 P80 BN80B4	111
164	41	3.4	8.5	3620	A102_8.5 S2 M2SA4	114	A102_8.5 P80 BN80B4	115
194	35	2.9	7.2	1870	A052_7.2 S2 M2SA4	111	A052_7.2 P80 BN80B4	111
221	30	3.3	6.3	1810	A052_6.3 S2 M2SA4	111	A052_6.3 P80 BN80B4	111
256	26	3.6	5.5	1750	A052_5.5 S2 M2SA4	111	A052_5.5 P80 BN80B4	111
266	25	3.2	10.6	1720	A052_10.6 S1 M1LA2	111	A052_10.6 P80 BN80A2	111
292	23	4.1	9.6	1690	A052_9.6 S1 M1LA2	111	A052_9.6 P80 BN80A2	111
330	20	4.4	8.5	1640	A052_8.5 S1 M1LA2	111	A052_8.5 P80 BN80A2	111
390	17.3	4.9	7.2	1570	A052_7.2 S1 M1LA2	111	A052_7.2 P80 BN80A2	111
444	15.2	5.3	6.3	1510	A052_6.3 S1 M1LA2	111	A052_6.3 P80 BN80A2	111
514	13.1	5.7	5.5	1450	A052_5.5 S1 M1LA2	111	A052_5.5 P80 BN80A2	111

1.1 kBT

I_n MVA ⁻¹	M_2 Hm	S	i	R_{02} H				
0.61	15320	0.9	1507	75000	A904_1507 S3 M3SA6	152	A904_1507 P90 BN90L6	153
0.69	13462	1.0	1324	75000	A904_1324 S3 M3SA6	152	A904_1324 P90 BN90L6	153
0.76	12427	1.1	1222	75000	A904_1222 S3 M3SA6	152	A904_1222 P90 BN90L6	153
0.86	10907	1.3	1632	75000	A904_1632 S2 M2SB4	152	A904_1632 P90 BN90S4	153
0.93	10068	1.4	1507	75000	A904_1507 S2 M2SB4	152	A904_1507 P90 BN90S4	153
1.0	8953	0.9	1340	65000	A804_1340 S2 M2SB4	149	A804_1340 P90 BN90S4	150
1.1	8847	1.6	1324	75000	A904_1324 S2 M2SB4	152	A904_1324 P90 BN90S4	153
1.1	8264	1.0	1237	65000	A804_1237 S2 M2SB4	149	A804_1237 P90 BN90S4	150
1.1	8166	1.7	1222	75000	A904_1222 S2 M2SB4	152	A904_1222 P90 BN90S4	153
1.3	7421	1.9	1111	75000	A904_1111 S2 M2SB4	152	A904_1111 P90 BN90S4	153
1.3	7249	1.1	1085	65000	A804_1085 S2 M2SB4	149	A804_1085 P90 BN90S4	150
1.4	6850	2.0	1025	75000	A904_1025 S2 M2SB4	152	A904_1025 P90 BN90S4	153







1.1 kBT

P_2 MVA	M_2 Hz	S	i	R_{Σ} H			IEC	
1.4	6691	1.2	1001	65000	A804_1001 S2 M2SB4	149	A804_1001 P90 BN90S4	150
1.5	6262	2.2	937.2	75000	A904_937.2 S2 M2SB4	152	A904_937.2 P90 BN90S4	153
1.6	6005	1.3	898.7	65000	A804_898.7 S2 M2SB4	149	A804_898.7 P90 BN90S4	150
1.6	5780	2.4	865.1	75000	A904_865.1 S2 M2SB4	152	A904_865.1 P90 BN90S4	153
1.6	5715	0.9	855.3	50000	A704_855.3 S2 M2SB4	146	A704_855.3 P90 BN90S4	147
1.7	5543	1.4	829.5	65000	A804_829.5 S2 M2SB4	149	A804_829.5 P90 BN90S4	150
1.8	5124	2.7	766.9	75000	A904_766.9 S2 M2SB4	152	A904_766.9 P90 BN90S4	153
1.8	5104	1.0	763.9	50000	A704_763.9 S2 M2SB4	146	A704_763.9 P90 BN90S4	147
1.8	5092	1.6	762.1	65000	A804_762.1 S2 M2SB4	149	A804_762.1 P90 BN90S4	150
2.0	4730	3.0	707.9	75000	A904_707.9 S2 M2SB4	152	A904_707.9 P90 BN90S4	153
2.0	4711	1.1	705.1	50000	A704_705.1 S2 M2SB4	146	A704_705.1 P90 BN90S4	147
2.0	4700	1.7	703.5	65000	A804_703.5 S2 M2SB4	149	A804_703.5 P90 BN90S4	150
2.2	4307	1.2	644.6	50000	A704_644.6 S2 M2SB4	146	A704_644.6 P90 BN90S4	147
2.3	4057	2.0	607.2	65000	A804_607.2 S2 M2SB4	149	A804_607.2 P90 BN90S4	150
2.3	4019	3.5	601.6	75000	A904_601.6 S2 M2SB4	152	A904_601.6 P90 BN90S4	153
2.4	3976	1.3	595.0	50000	A704_595.0 S2 M2SB4	146	A704_595.0 P90 BN90S4	147
2.5	3745	2.1	560.5	65000	A804_560.5 S2 M2SB4	149	A804_560.5 P90 BN90S4	150
2.7	3444	1.5	515.4	50000	A704_515.4 S2 M2SB4	146	A704_515.4 P90 BN90S4	147
2.9	3200	2.5	478.9	65000	A804_478.9 S2 M2SB4	149	A804_478.9 P90 BN90S4	150
2.9	3179	1.8	475.8	50000	A704_475.8 S2 M2SB4	146	A704_475.8 P90 BN90S4	147
3.2	2954	2.7	442.1	65000	A804_442.1 S2 M2SB4	149	A804_442.1 P90 BN90S4	150
3.2	2929	1.0	438.4	30000	A604_438.4 S2 M2SB4	142	A604_438.4 P90 BN90S4	143
3.5	2704	1.0	404.7	30000	A604_404.7 S2 M2SB4	142	A604_404.7 P90 BN90S4	143
3.5	2674	1.9	400.2	50000	A704_400.2 S2 M2SB4	146	A704_400.2 P90 BN90S4	147
3.7	2562	3.1	383.5	65000	A804_383.5 S2 M2SB4	149	A804_383.5 P90 BN90S4	150
3.8	2468	2.0	369.4	50000	A704_369.4 S2 M2SB4	146	A704_369.4 P90 BN90S4	150
4.0	2365	3.4	354.0	65000	A804_354.0 S2 M2SB4	149	A804_354.0 P90 BN90S4	150
4.0	2347	1.2	351.2	30000	A604_351.2 S2 M2SB4	142	A604_351.2 P90 BN90S4	143
4.3	2166	1.3	324.2	30000	A604_324.2 S2 M2SB4	142	A604_324.2 P90 BN90S4	143
4.4	2114	2.4	316.4	50000	A704_316.4 S2 M2SB4	146	A704_316.4 P90 BN90S4	147
4.8	1951	2.6	292.0	50000	A704_292.0 S2 M2SB4	146	A704_292.0 P90 BN90S4	147
4.9	1913	1.5	286.3	30000	A604_286.3 S2 M2SB4	142	A604_286.3 P90 BN90S4	143
5.3	1766	1.6	264.3	30000	A604_264.3 S2 M2SB4	142	A604_264.3 P90 BN90S4	143
5.4	1743	0.9	260.9	20000	A504_260.9 S2 M2SB4	134	A504_260.9 P90 BN90S4	135
5.9	1594	3.1	238.6	50000	A704_238.6 S2 M2SB4	146	A704_238.6 P90 BN90S4	147
6.0	1550	1.0	232.0	20000	A504_232.0 S2 M2SB4	134	A504_232.0 P90 BN90S4	135
6.2	1511	1.9	226.1	30000	A604_226.1 S2 M2SB4	142	A604_226.1 P90 BN90S4	143
6.4	1472	3.4	220.3	50000	A704_220.3 S2 M2SB4	146	A704_220.3 P90 BN90S4	147
6.6	1410	1.1	211.0	20000	A504_211.0 S2 M2SB4	134	A504_211.0 P90 BN90S4	135
6.7	1395	2.0	208.7	30000	A604_208.7 S2 M2SB4	142	A604_208.7 P90 BN90S4	143
7.2	1327	1.5	194.2	30000	A553_194.2 S2 M2SB4	138	A553_194.2 P90 BN90S4	139
7.3	1302	1.2	190.6	20000	A503_190.6 S2 M2SB4	134	A503_190.6 P90 BN90S4	135
7.5	1299	2.2	185.8	30000	A603_185.8 S2 M2SB4	142	A603_185.8 P90 BN90S4	143
8.0	1196	1.7	175.0	30000	A553_175.0 S2 M2SB4	138	A553_175.0 P90 BN90S4	139
8.1	1184	1.3	173.4	20000	A503_173.4 S2 M2SB4	134	A503_173.4 P90 BN90S4	135
8.2	1171	2.4	171.5	30000	A603_171.5 S2 M2SB4	142	A603_171.5 P90 BN90S4	143
8.7	1096	1.8	160.4	30000	A553_160.4 S2 M2SB4	138	A553_160.4 P90 BN90S4	139
9.0	1066	2.6	156.0	30000	A603_156.0 S2 M2SB4	142	A603_156.0 P90 BN90S4	143
9.1	1056	1.4	154.6	20000	A503_154.6 S2 M2SB4	134	A503_154.6 P90 BN90S4	135
9.5	1003	2.0	146.8	30000	A553_146.8 S2 M2SB4	138	A553_146.8 P90 BN90S4	139
9.7	984	2.8	144.0	30000	A603_144.0 S2 M2SB4	142	A603_144.0 P90 BN90S4	143
10.0	961	1.6	140.6	20000	A503_140.6 S2 M2SB4	134	A503_140.6 P90 BN90S4	135







1.1 kBT

R_2 MMH ¹	M_2 Hz	S	i	R_{-2} H				
10.5	911	3.1	133.3	30000	A603_133.3 S2 M2SB4	142	A603_133.3 P90 BN90S4	143
10.5	907	2.2	132.7	30000	A553_132.7 S2 M2SB4	138	A553_132.7 P90 BN90S4	139
10.8	886	1.7	129.7	20000	A503_129.7 S2 M2SB4	134	A503_129.7 P90 BN90S4	135
11.3	846	2.4	123.9	30000	A553_123.9 S2 M2SB4	138	A553_123.9 P90 BN90S4	139
11.4	841	3.3	123.0	30000	A603_123.0 S2 M2SB4	142	A603_123.0 P90 BN90S4	143
11.9	806	1.9	118.0	20000	A503_118.0 S2 M2SB4	134	A503_118.0 P90 BN90S4	135
12.1	792	1.1	115.9	15000	A413_115.9 S2 M2SB4	130	A413_115.9 P90 BN90S4	131
12.8	748	2.0	109.4	20000	A503_109.4 S2 M2SB4	134	A503_109.4 P90 BN90S4	135
13.8	693	2.9	101.4	30000	A553_101.4 S2 M2SB4	138	A553_101.4 P90 BN90S4	139
14.1	680	2.2	99.5	20000	A503_99.5 S2 M2SB4	134	A503_99.5 P90 BN90S4	135
15.1	634	1.3	92.8	15000	A413_92.8 S2 M2SB4	130	A413_92.8 P90 BN90S4	131
15.6	612	2.5	89.5	20000	A503_89.5 S2 M2SB4	134	A503_89.5 P90 BN90S4	135
17.0	582	1.0	82.5	12000	A352_82.5 S2 M2SB4	126	A352_82.5 P90 BN90S4	127
17.2	556	2.7	81.5	20000	A503_81.5 S2 M2SB4	134	A503_81.5 P90 BN90S4	135
17.7	559	1.5	79.2	15000	A412_79.2 S2 M2SB4	130	A412_79.2 P90 BN90S4	131
18.8	524	1.1	74.3	12000	A352_74.3 S2 M2SB4	126	A352_74.3 P90 BN90S4	127
19.6	503	1.7	71.3	15000	A412_71.3 S2 M2SB4	130	A412_71.3 P90 BN90S4	131
19.9	490	3.1	70.2	20000	A503_70.2 S2 M2SB4	134	A503_70.2 P90 BN90S4	135
21.3	465	1.3	65.6	12000	A352_65.6 S2 M2SB4	126	A352_65.6 P90 BN90S4	127
21.8	453	1.9	64.2	15000	A412_64.2 S2 M2SB4	130	A412_64.2 P90 BN90S4	131
21.9	436	3.4	63.9	20000	A503_63.9 S2 M2SB4	134	A503_63.9 P90 BN90S4	135
23.2	426	1.4	60.4	12000	A352_60.4 S2 M2SB4	126	A352_60.4 P90 BN90S4	127
23.6	419	1.0	59.4	7420	A302_59.4 S2 M2SB4	122	A302_59.4 P90 BN90S4	123
23.8	415	2.0	58.6	15000	A412_58.6 S2 M2SB4	130	A412_58.6 P90 BN90S4	131
25.8	383	1.6	54.3	12000	A352_54.3 S2 M2SB4	126	A352_54.3 P90 BN90S4	127
26.3	375	2.3	53.1	15000	A412_53.1 S2 M2SB4	130	A412_53.1 P90 BN90S4	131
26.6	372	1.1	52.7	7310	A302_52.7 S2 M2SB4	122	A302_52.7 P90 BN90S4	123
28.5	346	1.7	49.1	11800	A352_49.1 S2 M2SB4	126	A352_49.1 P90 BN90S4	127
29.0	341	1.2	48.3	7220	A302_48.3 S2 M2SB4	122	A302_48.3 P90 BN90S4	123
29.0	341	2.5	48.3	15000	A412_48.3 S2 M2SB4	130	A412_48.3 P90 BN90S4	131
31	323	1.9	45.8	11700	A352_45.8 S2 M2SB4	126	A352_45.8 P90 BN90S4	127
31	318	2.6	45.1	15000	A412_45.1 S2 M2SB4	130	A412_45.1 P90 BN90S4	131
32	306	1.3	43.4	7100	A302_43.4 S2 M2SB4	122	A302_43.4 P90 BN90S4	123
34	295	2.0	41.8	11400	A352_41.8 S2 M2SB4	126	A352_41.8 P90 BN90S4	127
36	277	1.5	39.3	6970	A302_39.3 S2 M2SB4	122	A302_39.3 P90 BN90S4	123
38	259	1.6	36.6	6880	A302_36.6 S2 M2SB4	122	A302_36.6 P90 BN90S4	123
38	258	2.3	36.6	11100	A352_36.6 S2 M2SB4	126	A352_36.6 P90 BN90S4	127
39	253	3.1	35.9	14300	A412_35.9 S2 M2SB4	130	A412_35.9 P90 BN90S4	131
40	250	1.0	35.4	4380	A202_35.4 S2 M2SB4	118	A202_35.4 P90 BN90S4	119
42	236	1.7	33.4	6760	A302_33.4 S2 M2SB4	122	A302_33.4 P90 BN90S4	123
42	234	2.6	33.2	10800	A352_33.2 S2 M2SB4	126	A352_33.2 P90 BN90S4	127
45	221	1.1	31.3	4320	A202_31.3 S2 M2SB4	118	A202_31.3 P90 BN90S4	119
48	207	2.0	29.3	6580	A302_29.3 S2 M2SB4	122	A302_29.3 P90 BN90S4	123
48	206	1.2	29.2	4290	A202_29.2 S2 M2SB4	118	A202_29.2 P90 BN90S4	119
49	201	3.0	28.4	10400	A352_28.4 S2 M2SB4	126	A352_28.4 P90 BN90S4	127
53	187	2.2	26.5	6440	A302_26.5 S2 M2SB4	122	A302_26.5 P90 BN90S4	123
53	187	1.3	26.5	4230	A202_26.5 S2 M2SB4	118	A202_26.5 P90 BN90S4	119
55	181	3.3	25.7	10100	A352_25.7 S2 M2SB4	126	A352_25.7 P90 BN90S4	127
59	168	0.9	23.8	3640	A102_23.8 S2 M2SB4	114	A102_23.8 P90 BN90S4	115
61	163	1.5	23.1	4140	A202_23.1 S2 M2SB4	118	A202_23.1 P90 BN90S4	119
62	161	2.6	22.8	6220	A302_22.8 S2 M2SB4	122	A302_22.8 P90 BN90S4	123
66	151	1.0	21.4	4280	A102_21.4 S2 M2SB4	114	A102_21.4 P90 BN90S4	115



1.1 kBT





P_2 MVA	M_2 Hz	S	i	R_{02} H				
66	150	1.7	21.2	4080	A202_21.2 S2 M2SB4	118	A202_21.2 P90 BN90S4	119
68	145	2.8	20.5	6070	A302_20.5 S2 M2SB4	122	A302_20.5 P90 BN90S4	123
75	131	1.1	18.6	3540	A102_18.6 S2 M2SB4	114	A102_18.6 P90 BN90S4	115
77	126	2.0	18.1	3970	A202_18.1 S2 M2SB4	118	A202_18.1 P90 BN90S4	119
78	127	3.2	18.0	5880	A302_18.0 S2 M2SB4	122	A302_18.0 P90 BN90S4	123
85	116	1.3	16.4	4130	A102_16.4 S2 M2SB4	114	A102_16.4 P90 BN90S4	115
86	115	3.3	16.3	5740	A302_16.3 S2 M2SB4	122	A302_16.3 P90 BN90S4	123
87	114	2.2	16.2	3880	A202_16.2 S2 M2SB4	118	A202_16.2 P90 BN90S4	119
99	99	2.5	14.1	3770	A202_14.1 S2 M2SB4	118	A202_14.1 P90 BN90S4	119
101	96	1.0	13.9	1840	A052_13.9 S2 M2SB4	111		
101	96	1.5	13.9	3380	A102_13.9 S2 M2SB4	114	A102_13.9 P90 BN90S4	115
114	87	1.2	12.3	1850	A052_12.3 S2 M2SB4	111		111
114	87	1.6	12.3	3300	A102_12.3 S2 M2SB4	114	A102_12.3 P90 BN90S4	115
117	84	2.5	12.0	3620	A202_12.0 S2 M2SB4	118	A202_12.0 P90 BN90S4	119
133	75	1.3	10.6	1810	A052_10.6 S2 M2SB4	111		111
133	75	2.0	10.6	3210	A102_10.6 S2 M2SB4	114	A102_10.6 P90 BN90S4	115
135	73	3.1	10.3	3510	A202_10.3 S2 M2SB4	118	A202_10.3 P90 BN90S4	119
146	68	1.5	9.6	1810	A052_9.6 S2 M2SB4	111		
146	68	2.1	9.6	3140	A102_9.6 S2 M2SB4	114	A102_9.6 P90 BN90S4	115
149	66	3.2	9.4	3420	A202_9.4 S2 M2SB4	118	A202_9.4 P90 BN90S4	119
164	60	1.7	8.5	1780	A052_8.5 S2 M2SB4	111		
164	60	2.3	8.5	3630	A102_8.5 S2 M2SB4	114	A102_8.5 P90 BN90S4	115
194	51	2.0	7.2	1730	A052_7.2 S2 M2SB4	111		
194	51	2.8	7.2	2940	A102_7.2 S2 M2SB4	114	A102_7.2 P90 BN90S4	115
221	45	2.2	6.3	1690	A052_6.3 S2 M2SB4	111		
221	45	3.1	6.3	3390	A102_6.3 S2 M2SB4	114	A102_6.3 P90 BN90S4	115
228	43	3.2	12.3	2830	A102_12.3 S2 M2SA2	114	A102_12.3 P80 BN80B2	115
256	39	2.5	5.5	1640	A052_5.5 S2 M2SB4	111		
291	34	2.8	9.6	1600	A052_9.6 S2 M2SA2	111	A052_9.6 P80 BN80B2	111
329	30	3.0	8.5	1560	A052_8.5 S2 M2SA2	111	A052_8.5 P80 BN80B2	111
388	25	3.3	7.2	1500	A052_7.2 S2 M2SA2	111	A052_7.2 P80 BN80B2	111
442	22	3.6	6.3	1450	A052_6.3 S2 M2SA2	111	A052_6.3 P80 BN80B2	111
512	19.3	3.9	5.5	1400	A052_5.5 S2 M2SA2	111	A052_5.5 P80 BN80B2	111

1.5 kBT

0.86	14767	0.9	1632	75000	A904_1632 S3 M3SA4	152	A904_1632 P90 BN90LA4	153
0.94	13631	1.0	1507	75000	A904_1507 S3 M3SA4	152	A904_1507 P90 BN90LA4	153
1.1	11978	1.2	1324	75000	A904_1324 S3 M3SA4	152	A904_1324 P90 BN90LA4	153
1.2	11057	1.3	1222	75000	A904_1222 S3 M3SA4	152	A904_1222 P90 BN90LA4	153
1.3	10047	1.4	1111	75000	A904_1111 S3 M3SA4	152	A904_1111 P90 BN90LA4	153
1.4	9274	1.5	1025	75000	A904_1025 S3 M3SA4	152	A904_1025 P90 BN90LA4	153
1.4	9060	0.9	1001	65000	A804_1001 S3 M3SA4	149	A804_1001 P90 BN90LA4	150
1.5	8478	1.7	937.2	75000	A904_937.2 S3 M3SA4	152	A904_937.2 P90 BN90LA4	153
1.6	8130	1.0	898.7	65000	A804_898.7 S3 M3SA4	149	A804_898.7 P90 BN90LA4	150
1.6	7826	1.8	865.1	75000	A904_865.1 S3 M3SA4	152	A904_865.1 P90 BN90LA4	153
1.7	7505	1.1	829.5	65000	A804_829.5 S3 M3SA4	149	A804_829.5 P90 BN90LA4	150
1.8	6938	2.0	786.9	75000	A904_786.9 S3 M3SA4	152	A904_786.9 P90 BN90LA4	153



1.5 kBT

R_2 MMH ¹	M_2 Hm	S	i	R_{-2} H				
1.9	6894	1.2	762.1	65000	A804_762.1 S3 M3SA4	149	A804_762.1 P90 BN90LA4	150
2.0	6404	2.2	707.9	75000	A904_707.9 S3 M3SA4	152	A904_707.9 P90 BN90LA4	153
2.0	6364	1.3	703.5	65000	A804_703.5 S3 M3SA4	149	A804_703.5 P90 BN90LA4	150
2.2	5832	0.9	644.6	50000	A704_644.6 S3 M3SA4	146	A704_644.6 P90 BN90LA4	147
2.3	5493	1.5	607.2	65000	A804_607.2 S3 M3SA4	149	A804_607.2 P90 BN90LA4	150
2.3	5442	2.6	601.6	75000	A904_601.6 S3 M3SA4	152	A904_601.6 P90 BN90LA4	153
2.4	5383	0.9	595.0	50000	A704_595.0 S3 M3SA4	146	A704_595.0 P90 BN90LA4	147
2.5	5070	1.6	580.5	65000	A804_560.5 S3 M3SA4	149	A804_560.5 P90 BN90LA4	150
2.5	5024	2.8	555.3	75000	A904_555.3 S3 M3SA4	152	A904_555.3 P90 BN90LA4	153
2.7	4663	1.1	515.4	50000	A704_515.4 S3 M3SA4	146	A704_515.4 P90 BN90LA4	147
2.9	4402	3.2	486.6	75000	A904_486.6 S3 M3SA4	152	A904_486.6 P90 BN90LA4	153
2.9	4333	1.8	478.9	65000	A804_478.9 S3 M3SA4	149	A804_478.9 P90 BN90LA4	150
3.0	4304	1.2	475.8	50000	A704_475.8 S3 M3SA4	146	A704_475.8 P90 BN90LA4	147
3.1	4063	3.4	449.2	75000	A904_449.2 S3 M3SA4	152	A904_449.2 P90 BN90LA4	153
3.2	3999	2.0	442.1	65000	A804_442.1 S3 M3SA4	149	A804_442.1 P90 BN90LA4	150
3.5	3620	1.4	400.2	50000	A704_400.2 S3 M3SA4	146	A704_400.2 P90 BN90LA4	147
3.7	3469	2.3	383.5	65000	A804_383.5 S3 M3SA4	149	A804_383.5 P90 BN90LA4	150
3.8	3342	1.5	369.4	50000	A704_369.4 S3 M3SA4	146	A704_369.4 P90 BN90LA4	147
4.0	3202	2.5	354.0	65000	A804_354.0 S3 M3SA4	149	A804_354.0 P90 BN90LA4	150
4.0	3177	0.9	351.2	30000	A604_351.2 S3 M3SA4	142	A604_351.2 P90 BN90LA4	143
4.3	2933	1.0	324.2	30000	A604_324.2 S3 M3SA4	142	A604_324.2 P90 BN90LA4	143
4.5	2862	1.7	316.4	50000	A704_316.4 S3 M3SA4	146	A704_316.4 P90 BN90LA4	147
4.7	2718	2.9	300.4	65000	A804_300.4 S3 M3SA4	149	A804_300.4 P90 BN90LA4	150
4.8	2642	1.9	292.0	50000	A704_292.0 S3 M3SA4	146	A704_292.0 P90 BN90LA4	147
4.9	2590	1.1	286.3	30000	A604_286.3 S3 M3SA4	142	A604_286.3 P90 BN90LA4	143
5.1	2509	3.2	277.3	65000	A804_277.3 S3 M3SA4	149	A804_277.3 P90 BN90LA4	150
5.3	2391	1.2	264.3	30000	A604_264.3 S3 M3SA4	142	A604_264.3 P90 BN90LA4	143
5.9	2159	2.3	238.6	50000	A704_238.6 S3 M3SA4	146	A704_238.6 P90 BN90LA4	147
6.2	2046	1.4	226.1	30000	A604_226.1 S3 M3SA4	142	A604_226.1 P90 BN90LA4	143
6.4	1993	2.5	220.3	50000	A704_220.3 S3 M3SA4	146	A704_220.3 P90 BN90LA4	147
6.8	1888	1.5	208.7	30000	A604_208.7 S3 M3SA4	142	A604_208.7 P90 BN90LA4	143
7.3	1796	1.1	194.2	30000	A553_194.2 S3 M3SA4	138	A553_194.2 P90 BN90LA4	139
7.6	1718	1.6	185.8	30000	A603_185.8 S3 M3SA4	142	A603_185.8 P90 BN90LA4	143
7.7	1664	3.0	183.9	50000	A704_183.9 S3 M3SA4	146	A704_183.9 P90 BN90LA4	147
8.1	1619	1.2	175.0	30000	A553_175.0 S3 M3SA4	138	A553_175.0 P90 BN90LA4	139
8.1	1604	0.9	173.4	20000	A503_173.4 S3 M3SA4	134	A503_173.4 P90 BN90LA4	135
8.2	1586	1.8	171.5	30000	A603_171.5 S3 M3SA4	142	A603_171.5 P90 BN90LA4	143
8.3	1536	3.3	169.8	50000	A704_169.8 S3 M3SA4	146	A704_169.8 P90 BN90LA4	147
8.8	1484	1.3	160.4	30000	A553_160.4 S3 M3SA4	138	A553_160.4 P90 BN90LA4	139
9.0	1443	1.9	156.0	30000	A603_156.0 S3 M3SA4	142	A603_156.0 P90 BN90LA4	143
9.1	1430	1.0	154.6	20000	A503_154.6 S3 M3SA4	134	A503_154.6 P90 BN90LA4	135
9.2	1422	2.8	153.7	50000	A703_153.7 S3 M3SA4	146	A703_153.7 P90 BN90LA4	147
9.6	1358	1.5	146.8	30000	A553_146.8 S3 M3SA4	138	A553_146.8 P90 BN90LA4	139
9.8	1332	2.1	144.0	30000	A603_144.0 S3 M3SA4	142	A603_144.0 P90 BN90LA4	143
10.0	1301	1.2	140.6	20000	A503_140.6 S3 M3SA4	134	A503_140.6 P90 BN90LA4	135
10.6	1233	2.3	133.3	30000	A603_133.3 S3 M3SA4	142	A603_133.3 P90 BN90LA4	143
10.6	1228	1.6	132.7	30000	A553_132.7 S3 M3SA4	138	A553_132.7 P90 BN90LA4	139
10.9	1199	1.3	129.7	20000	A503_129.7 S3 M3SA4	134	A503_129.7 P90 BN90LA4	135
11.4	1146	1.7	123.9	30000	A553_123.9 S3 M3SA4	138	A553_123.9 P90 BN90LA4	139
11.5	1138	2.5	123.0	30000	A603_123.0 S3 M3SA4	142	A603_123.0 P90 BN90LA4	143
12.0	1091	1.4	118.0	20000	A503_118.0 S3 M3SA4	134	A503_118.0 P90 BN90LA4	135
12.9	1012	1.5	109.4	20000	A503_109.4 S3 M3SA4	134	A503_109.4 P90 BN90LA4	135



1.5 kBT

P_2 MVA	M_2 Hz	S	i	R_{02} H			IEC	
12.9	1012	1.5	109.4	20000	A503_109.4 S3 M3SA4	134	A503_109.4 P90 BN90LA4	135
13.1	997	2.8	107.8	30000	A603_107.8 S3 M3SA4	142	A603_107.8 P90 BN90LA4	143
13.9	938	2.1	101.4	30000	A553_101.4 S3 M3SA4	138	A553_101.4 P90 BN90LA4	139
14.2	921	1.6	99.5	20000	A503_99.5 S3 M3SA4	134	A503_99.5 P90 BN90LA4	135
14.2	920	3.0	99.5	30000	A603_99.5 S3 M3SA4	142	A603_99.5 P90 BN90LA4	143
15.2	858	0.9	92.6	15000	A413_92.8 S3 M3SA4	130	A413_92.8 P90 BN90LA4	131
15.7	828	1.8	89.5	20000	A503_89.5 S3 M3SA4	134	A503_89.5 P90 BN90LA4	135
16.3	799	3.5	86.4	30000	A603_86.4 S3 M3SA4	142	A603_86.4 P90 BN90LA4	143
17.3	753	2.0	81.5	20000	A503_81.5 S3 M3SA4	134	A503_81.5 P90 BN90LA4	135
17.7	736	2.7	79.5	30000	A553_79.5 S3 M3SA4	138	A553_79.5 P90 BN90LA4	139
17.8	757	1.1	79.2	15000	A412_79.2 S3 M3SA4	130	A412_79.2 P90 BN90LA4	131
19.8	681	1.2	71.3	15000	A412_71.3 S3 M3SA4	130	A412_71.3 P90 BN90LA4	131
20.1	650	2.3	70.2	20000	A503_70.2 S3 M3SA4	134	A503_70.2 P90 BN90LA4	135
21.4	629	1.0	65.8	11600	A352_65.8 S3 M3SA4	126	A352_65.8 P90 BN90LA4	127
21.9	595	3.4	64.3	30000	A553_64.3 S3 M3SA4	138	A553_64.3 P90 BN90LA4	139
22.0	613	1.4	64.2	15000	A412_64.2 S3 M3SA4	130	A412_64.2 P90 BN90LA4	131
22.1	591	2.5	63.9	20000	A503_63.9 S3 M3SA4	134	A503_63.9 P90 BN90LA4	135
23.4	577	1.0	60.4	11500	A352_60.4 S3 M3SA4	126	A352_60.4 P90 BN90LA4	127
24.0	562	1.5	58.8	15000	A412_58.8 S3 M3SA4	130	A412_58.8 P90 BN90LA4	131
24.8	526	2.9	56.8	20000	A503_56.8 S3 M3SA4	134	A503_56.8 P90 BN90LA4	135
26.0	519	1.2	54.3	11300	A352_54.3 S3 M3SA4	126	A352_54.3 P90 BN90LA4	127
26.5	508	1.7	53.1	15000	A412_53.1 S3 M3SA4	130	A412_53.1 P90 BN90LA4	131
27.3	478	3.1	51.7	19700	A503_51.7 S3 M3SA4	134	A503_51.7 P90 BN90LA4	135
28.7	469	1.3	49.1	11100	A352_49.1 S3 M3SA4	126	A352_49.1 P90 BN90LA4	127
29.2	461	1.8	48.3	14900	A412_48.3 S3 M3SA4	130	A412_48.3 P90 BN90LA4	131
31	438	1.4	45.8	11000	A352_45.8 S3 M3SA4	126	A352_45.8 P90 BN90LA4	127
31	431	1.9	45.1	14600	A412_45.1 S3 M3SA4	130	A412_45.1 P90 BN90LA4	131
32	415	1.0	43.4	6450	A302_43.4 S3 M3SA4	122	A302_43.4 P90 BN90LA4	123
34	399	1.5	41.8	10800	A352_41.8 S3 M3SA4	126	A352_41.8 P90 BN90LA4	127
36	375	1.1	39.3	6380	A302_39.3 S3 M3SA4	122	A302_39.3 P90 BN90LA4	123
38	350	1.2	36.6	6330	A302_36.6 S3 M3SA4	122	A302_36.6 P90 BN90LA4	123
38	350	1.7	36.6	10500	A352_36.6 S3 M3SA4	126	A352_36.6 P90 BN90LA4	127
39	343	2.3	35.9	13800	A412_35.9 S3 M3SA4	130	A412_35.9 P90 BN90LA4	131
42	319	1.3	33.4	6260	A302_33.4 S3 M3SA4	122	A302_33.4 P90 BN90LA4	123
43	317	1.9	33.2	10300	A352_33.2 S3 M3SA4	126	A352_33.2 P90 BN90LA4	127
48	280	1.5	29.3	6140	A302_29.3 S3 M3SA4	122	A302_29.3 P90 BN90LA4	123
50	272	2.2	28.4	9940	A352_28.4 S3 M3SA4	126	A352_28.4 P90 BN90LA4	127
50	271	2.7	28.3	13000	A412_28.3 S3 M3SA4	130	A412_28.3 P90 BN90LA4	131
53	254	1.8	26.5	6040	A302_26.5 S3 M3SA4	122	A302_26.5 P90 BN90LA4	123
53	253	1.0	26.5	3790	A202_26.5 S3 M3SA4	118	A202_26.5 P90 BN90LA4	119
55	245	2.4	25.7	9710	A352_25.7 S3 M3SA4	126	A352_25.7 P90 BN90LA4	127
61	221	1.1	23.1	3760	A202_23.1 S3 M3SA4	118	A202_23.1 P90 BN90LA4	119
62	217	1.9	22.8	5870	A302_22.8 S3 M3SA4	122	A302_22.8 P90 BN90LA4	123
62	217	3.1	22.7	12200	A412_22.7 S3 M3SA4	130	A412_22.7 P90 BN90LA4	131
63	215	2.8	22.5	9400	A352_22.5 S3 M3SA4	126	A352_22.5 P90 BN90LA4	127
66	203	1.2	21.2	3730	A202_21.2 S3 M3SA4	118	A202_21.2 P90 BN90LA4	119
69	196	2.1	20.5	5760	A302_20.5 S3 M3SA4	122	A302_20.5 P90 BN90LA4	123
69	195	3.1	20.4	9170	A352_20.4 S3 M3SA4	126	A352_20.4 P90 BN90LA4	127
78	173	1.4	18.1	3660	A202_18.1 S3 M3SA4	118	A202_18.1 P90 BN90LA4	119
78	172	2.3	18.0	5600	A302_18.0 S3 M3SA4	122	A302_18.0 P90 BN90LA4	123
86	157	1.0	16.4	3720	A102_16.4 S3 M3SA4	114	A102_16.4 P90 BN90LA4	115
86	156	2.5	16.3	5480	A302_16.3 S3 M3SA4	122	A302_16.3 P90 BN90LA4	123



1.5 kBT

R_2 MΩ	M_2 Hz	S	i	R_{-2} H				IEC	
87	154	1.8	16.2	3600	A202_16.2 S3 M3SA4	118	A202_16.2 P90 BN90LA4		119
100	134	1.8	14.1	3530	A202_14.1 S3 M3SA4	118	A202_14.1 P90 BN90LA4		119
101	133	1.1	13.9	3090	A102_13.9 S3 M3SA4	114	A102_13.9 P90 BN90LA4		115
104	130	2.9	13.6	5250	A302_13.6 S3 M3SA4	122	A302_13.6 P90 BN90LA4		123
115	118	1.2	12.3	3040	A102_12.3 S3 M3SA4	114	A102_12.3 P90 BN90LA4		115
118	114	1.8	12.0	3420	A202_12.0 S3 M3SA4	118	A202_12.0 P90 BN90LA4		119
120	113	2.7	11.8	5060	A302_11.8 S3 M3SA4	122	A302_11.8 P90 BN90LA4		123
123	109	3.2	22.8	5040	A302_22.8 S2 M2SB2	122	A302_22.8 P90 BN90SA2		123
134	101	1.5	10.6	2990	A102_10.6 S3 M3SA4	114	A102_10.6 P90 BN90LA4		115
135	100	3.4	10.5	4930	A302_10.5 S3 M3SA4	122	A302_10.5 P90 BN90LA4		123
136	99	2.3	10.3	3330	A202_10.3 S3 M3SA4	118	A202_10.3 P90 BN90LA4		119
147	92	1.5	9.6	2940	A102_9.6 S3 M3SA4	114	A102_9.6 P90 BN90LA4		115
160	90	2.3	9.4	3250	A202_9.4 S3 M3SA4	118	A202_9.4 P90 BN90LA4		119
151	89	3.4	9.3	4770	A302_9.3 S3 M3SA4	122	A302_9.3 P90 BN90LA4		123
166	81	1.7	8.5	3420	A102_8.5 S3 M3SA4	114	A102_8.5 P90 BN90LA4		115
168	80	2.6	8.4	3180	A202_8.4 S3 M3SA4	118	A202_8.4 P90 BN90LA4		119
193	70	3.0	7.3	3080	A202_7.3 S3 M3SA4	118	A202_7.3 P90 BN90LA4		119
196	69	2.0	7.2	2790	A102_7.2 S3 M3SA4	114	A102_7.2 P90 BN90LA4		115
216	62	3.4	6.5	3000	A202_6.5 S3 M3SA4	118	A202_6.5 P90 BN90LA4		119
223	61	2.3	6.3	3220	A102_6.3 S3 M3SA4	114	A102_6.3 P90 BN90LA4		115
258	52	2.7	5.5	2630	A102_5.5 S3 M3SA4	114	A102_5.5 P90 BN90LA4		115
291	46	3.0	9.6	2560	A102_9.6 S2 M2SB2	114	A102_9.6 P90 BN90SA2		115
329	41	3.4	8.5	2950	A102_8.5 S2 M2SB2	114	A102_8.5 P90 BN90SA2		115
388	35	2.4	7.2	1420	A052_7.2 S2 M2SB2	111			
442	30	2.6	6.3	1380	A052_6.3 S2 M2SB2	111			
512	26	2.9	5.5	1340	A052_5.5 S2 M2SB2	111			

2.2 kBT

1.2	16217	0.9	1222	75000	A904_1222 S3 M3LA4	152	A904_1222 P100 BN100LA4		153
1.3	14736	1.0	1111	75000	A904_1111 S3 M3LA4	152	A904_1111 P100 BN100LA4		153
1.4	13602	1.0	1025	75000	A904_1025 S3 M3LA4	152	A904_1025 P100 BN100LA4		153
1.5	12435	1.1	937.2	75000	A904_937.2 S3 M3LA4	152	A904_937.2 P100 BN100LA4		153
1.6	11479	1.2	807.1	75000	A904_865.1 S3 M3LA4	152	A904_865.1 P100 BN100LA4		153
1.8	10176	1.4	766.9	75000	A904_766.9 S3 M3LA4	152	A904_766.9 P100 BN100LA4		153
2.0	9393	1.5	707.9	75000	A904_707.9 S3 M3LA4	152	A904_707.9 P100 BN100LA4		153
2.0	9334	0.9	703.5	65000	A804_703.5 S3 M3LA4	149	A804_703.5 P100 BN100LA4		150
2.3	8056	1.0	607.2	65000	A804_607.2 S3 M3LA4	149	A804_607.2 P100 BN100LA4		150
2.3	7982	1.8	601.6	75000	A904_601.6 S3 M3LA4	152	A904_601.6 P100 BN100LA4		153
2.5	7436	1.1	560.5	65000	A804_560.5 S3 M3LA4	149	A804_560.5 P100 BN100LA4		150
2.5	7368	1.9	555.3	75000	A904_555.3 S3 M3LA4	152	A904_555.3 P100 BN100LA4		153
2.9	6456	2.2	486.6	75000	A904_486.6 S3 M3LA4	152	A904_486.6 P100 BN100LA4		153
2.9	6355	1.3	478.9	65000	A804_478.9 S3 M3LA4	149	A804_478.9 P100 BN100LA4		150
3.1	5960	2.3	449.2	75000	A904_449.2 S3 M3LA4	152	A904_449.2 P100 BN100LA4		153
3.2	5866	1.4	442.1	65000	A804_442.1 S3 M3LA4	149	A804_442.1 P100 BN100LA4		150
3.5	5310	0.9	400.2	50000	A704_400.2 S3 M3LA4	146	A704_400.2 P100 BN100LA4		147
3.7	5114	2.7	385.4	75000	A904_385.4 S3 M3LA4	152	A904_385.4 P100 BN100LA4		153
3.7	5086	1.6	383.5	65000	A804_383.5 S3 M3LA4	149	A804_383.5 P100 BN100LA4		150
3.8	4901	1.0	369.4	50000	A704_369.4 S3 M3LA4	146	A704_369.4 P100 BN100LA4		147







2.2 kBT

R_2 MΩ	M_2 Hz	S	i	R_{-2} H			IEC	
4.0	4721	3.0	355.6	75000	A904_355.8 S3 M3LA4	152	A904_355.8 P100 BN100LA4	153
4.0	4697	1.7	354.0	65000	A804_354.0 S3 M3LA4	149	A804_354.0 P100 BN100LA4	150
4.5	4198	1.2	316.4	50000	A704_316.4 S3 M3LA4	146	A704_316.4 P100 BN100LA4	147
4.6	4045	3.5	304.9	75000	A904_304.9 S3 M3LA4	152	A904_304.9 P100 BN100LA4	153
4.7	3986	2.0	300.4	65000	A804_300.4 S3 M3LA4	149	A804_300.4 P100 BN100LA4	150
4.8	3875	1.3	292.0	50000	A704_292.0 S3 M3LA4	146	A704_292.0 P100 BN100LA4	147
5.1	3679	2.2	277.3	65000	A804_277.3 S3 M3LA4	149	A804_277.3 P100 BN100LA4	150
5.9	3166	1.6	238.6	50000	A704_238.6 S3 M3LA4	146	A704_238.6 P100 BN100LA4	147
6.1	3087	2.6	232.6	65000	A804_232.6 S3 M3LA4	149	A804_232.6 P100 BN100LA4	150
6.2	3000	0.9	226.1	30000	A604_226.1 S3 M3LA4	142	A604_226.1 P100 BN100LA4	143
6.4	2922	1.7	220.3	50000	A704_220.3 S3 M3LA4	146	A704_220.3 P100 BN100LA4	147
6.6	2849	2.8	214.7	65000	A804_214.7 S3 M3LA4	149	A804_214.7 P100 BN100LA4	150
6.8	2770	1.0	208.7	30000	A604_208.7 S3 M3LA4	142	A604_208.7 P100 BN100LA4	143
7.6	2520	1.1	185.8	30000	A603_185.8 S3 M3LA4	142	A603_185.8 P100 BN100LA4	143
7.7	2440	2.0	183.9	50000	A704_183.9 S3 M3LA4	146	A704_183.9 P100 BN100LA4	147
8.2	2326	1.2	171.5	30000	A603_171.5 S3 M3LA4	142	A603_171.5 P100 BN100LA4	143
8.2	2273	3.5	171.3	65000	A804_171.3 S3 M3LA4	149	A804_171.3 P100 BN100LA4	150
8.3	2252	2.2	169.8	50000	A704_169.8 S3 M3LA4	146	A704_169.8 P100 BN100LA4	147
8.8	2177	0.9	160.4	30000	A553_160.4 S3 M3LA4	138	A553_160.4 P100 BN100LA4	139
9.0	2117	1.3	156.0	30000	A603_156.0 S3 M3LA4	142	A603_156.0 P100 BN100LA4	143
9.2	2085	1.9	153.7	50000	A703_153.7 S3 M3LA4	146	A703_153.7 P100 BN100LA4	147
9.6	1992	1.0	146.8	30000	A553_146.8 S3 M3LA4	138	A553_146.8 P100 BN100LA4	139
9.8	1954	1.4	144.0	30000	A603_144.0 S3 M3LA4	142	A603_141.9 P100 BN100LA4	143
9.9	1925	2.6	141.9	50000	A703_141.9 S3 M3LA4	146	A703_133.3 P100 BN100LA4	147
10.6	1808	1.5	133.3	30000	A603_133.3 S3 M3LA4	142	A603_132.7 P100 BN100LA4	143
10.6	1801	1.1	132.7	30000	A553_132.7 S3 M3LA4	138	A553_130.7 P100 BN100LA4	139
10.8	1773	2.8	130.7	50000	A703_130.7 S3 M3LA4	146	A703_123.9 P100 BN100LA4	147
11.5	1669	1.7	123.0	30000	A603_123.0 S3 M3LA4	142	A603_123.0 P100 BN100LA4	143
11.7	1636	3.1	120.6	50000	A703_120.6 S3 M3LA4	146	A703_120.6 P100 BN100LA4	147
12.0	1600	0.9	118.0	20000	A503_118.0 S3 M3LA4	134	A503_118.0 P100 BN100LA4	135
12.9	1485	1.0	109.4	20000	A503_109.4 S3 M3LA4	134	A503_109.4 P100 BN100LA4	135
13.1	1463	1.9	107.6	30000	A603_107.6 S3 M3LA4	142	A603_107.6 P100 BN100LA4	143
13.5	1414	3.5	104.2	50000	A703_104.2 S3 M3LA4	146	A703_104.2 P100 BN100LA4	147
13.9	1375	1.5	101.4	30000	A553_101.4 S3 M3LA4	138	A553_101.4 P100 BN100LA4	139
14.2	1350	1.1	99.5	20000	A503_99.5 S3 M3LA4	134	A503_99.5 P100 BN100LA4	135
14.2	1350	2.1	99.5	30000	A603_99.5 S3 M3LA4	142	A603_99.5 P100 BN100LA4	143
15.7	1215	1.2	89.5	19800	A503_89.5 S3 M3LA4	134	A503_89.5 P100 BN100LA4	135
16.3	1172	2.4	86.4	30000	A603_86.4 S3 M3LA4	142	A603_86.4 P100 BN100LA4	143
17.3	1105	1.4	81.5	19600	A503_81.5 S3 M3LA4	134	A503_81.5 P100 BN100LA4	135
17.7	1082	2.6	79.7	30000	A603_79.7 S3 M3LA4	142	A603_79.7 P100 BN100LA4	143
17.7	1079	1.9	79.5	30000	A553_79.5 S3 M3LA4	138	A553_79.5 P100 BN100LA4	139
20.0	955	2.9	70.4	30000	A603_70.4 S3 M3LA4	142	A603_70.4 P100 BN100LA4	143
20.1	953	1.6	70.2	19300	A503_70.2 S3 M3LA4	134	A503_70.2 P100 BN100LA4	135
21.7	882	3.2	65.0	30000	A603_65.0 S3 M3LA4	142	A603_65.0 P100 BN100LA4	143
21.9	873	2.3	64.3	30000	A553_64.3 S3 M3LA4	138	A553_64.3 P100 BN100LA4	139
22.0	899	0.9	64.2	14500	A412_64.2 S3 M3LA4	130	A412_64.2 P100 BN100LA4	131
22.1	867	1.7	63.9	19000	A503_63.9 S3 M3LA4	134	A503_63.9 P100 BN100LA4	135
24.0	824	1.0	58.8	14400	A412_58.8 S3 M3LA4	130	A412_58.8 P100 BN100LA4	131
24.8	771	1.9	56.8	18600	A503_56.8 S3 M3LA4	134	A503_56.8 P100 BN100LA4	135
26.5	745	1.1	53.1	14100	A412_53.1 S3 M3LA4	130	A412_53.1 P100 BN100LA4	131
27.3	701	2.1	51.7	18300	A503_51.7 S3 M3LA4	134	A503_51.7 P100 BN100LA4	135
27.7	691	2.9	51.0	30000	A553_51.0 S3 M3LA4	138	A553_51.0 P100 BN100LA4	139








2.2 kBT

R_2 MMH ¹	M_2 Hm	S	i	R_{-2} H				
28.7	688	0.9	49.1	9000	A352_49.1 S3 M3LA4	126	A352_49.1 P100 BN100LA4	127
29.2	677	1.3	48.3	13000	A412_48.3 S3 M3LA4	130	A412_48.3 P100 BN100LA4	131
31	642	0.9	45.8	9840	A352_45.8 S3 M3LA4	126	A352_45.8 P100 BN100LA4	127
31	632	1.3	45.1	13700	A412_45.1 S3 M3LA4	130	A412_45.1 P100 BN100LA4	131
31	611	2.5	45.0	17900	A503_45.0 S3 M3LA4	134	A503_45.0 P100 BN100LA4	135
34	586	1.0	41.6	9750	A352_41.8 S3 M3LA4	126	A352_41.8 P100 BN100LA4	127
34	555	2.7	40.9	17500	A503_40.9 S3 M3LA4	134	A503_40.9 P100 BN100LA4	135
38	513	1.2	36.6	9600	A352_36.6 S3 M3LA4	126	A352_36.6 P100 BN100LA4	127
39	503	1.6	35.9	13100	A412_35.9 S3 M3LA4	130	A412_35.9 P100 BN100LA4	131
40	483	3.1	35.6	17000	A503_35.6 S3 M3LA4	134	A503_35.6 P100 BN100LA4	135
43	465	1.3	33.2	9460	A352_33.2 S3 M3LA4	126	A352_33.2 P100 BN100LA4	127
44	439	3.4	32.4	16600	A503_32.4 S3 M3LA4	134	A503_32.4 P100 BN100LA4	135
48	411	1.0	29.3	5380	A302_29.3 S3 M3LA4	122	A302_29.3 P100 BN100LA4	123
50	399	1.5	28.4	9230	A352_28.4 S3 M3LA4	126	A352_28.4 P100 BN100LA4	127
50	397	1.8	28.3	12400	A412_28.3 S3 M3LA4	130	A412_28.3 P100 BN100LA4	131
53	372	1.1	26.5	5350	A302_26.5 S3 M3LA4	122	A302_26.5 P100 BN100LA4	123
56	360	1.7	25.7	9070	A352_25.7 S3 M3LA4	126	A352_25.7 P100 BN100LA4	127
62	319	1.3	22.8	5200	A302_22.8 S3 M3LA4	122	A302_22.8 P100 BN100LA4	123
62	318	2.1	22.7	11700	A412_22.7 S3 M3LA4	130	A412_22.7 P100 BN100LA4	131
63	315	1.9	22.5	8840	A352_22.5 S3 M3LA4	126	A352_22.5 P100 BN100LA4	127
69	288	1.4	20.5	5230	A302_20.5 S3 M3LA4	122	A302_20.5 P100 BN100LA4	123
69	286	2.1	20.4	8060	A352_20.4 S3 M3LA4	126	A352_20.4 P100 BN100LA4	127
78	254	1.0	18.1	3140	A202_18.1 S3 M3LA4	118	A202_18.1 P100 BN100LA4	119
78	252	1.6	18.0	5140	A302_18.0 S3 M3LA4	122	A302_18.0 P100 BN100LA4	123
79	249	2.5	17.8	11000	A412_17.8 S3 M3LA4	130	A412_17.8 P100 BN100LA4	131
83	238	2.5	17.0	8320	A352_17.0 S3 M3LA4	126	A352_17.0 P100 BN100LA4	127
86	229	1.7	16.3	5060	A302_16.3 S3 M3LA4	122	A302_16.3 P100 BN100LA4	123
87	227	1.1	16.2	3140	A202_16.2 S3 M3LA4	118	A202_16.2 P100 BN100LA4	119
88	226	2.7	16.1	10800	A412_16.1 S3 M3LA4	130	A412_16.1 P100 BN100LA4	131
91	217	2.8	15.5	8150	A352_15.5 S3 M3LA4	126	A352_15.5 P100 BN100LA4	127
100	197	1.2	14.1	3120	A202_14.1 S3 M3LA4	118	A202_14.1 P100 BN100LA4	119
102	193	3.0	13.6	10300	A412_13.8 S3 M3LA4	130	A412_13.8 P100 BN100LA4	131
104	190	1.9	13.6	4900	A302_13.6 S3 M3LA4	122	A302_13.6 P100 BN100LA4	123
108	183	3.3	13.1	7820	A352_13.1 S3 M3LA4	126	A352_13.1 P100 BN100LA4	127
118	168	1.3	12.0	3070	A202_12.0 S3 M3LA4	118	A202_12.0 P100 BN100LA4	119
120	165	1.8	11.8	4750	A302_11.8 S3 M3LA4	122	A302_11.8 P100 BN100LA4	123
120	165	2.4	11.8	7710	A352_11.8 S3 M3LA4	126	A352_11.8 P100 BN100LA4	127
120	165	3.3	11.7	9870	A412_11.7 S3 M3LA4	130	A412_11.7 P100 BN100LA4	131
123	160	2.0	23.1	3070	A202_23.1 S3 M3SA2	118	A202_23.1 P90 BN90L2	119
133	149	2.7	10.6	7510	A352_10.6 S3 M3LA4	126	A352_10.6 P100 BN100LA4	127
134	148	1.0	10.6	2600	A102_10.6 S3 M3LA4	114	A102_10.6 P100 BN100LA4	115
135	147	2.3	10.5	4660	A302_10.5 S3 M3LA4	122	A302_10.5 P100 BN100LA4	123
136	145	1.6	10.3	3030	A202_10.3 S3 M3LA4	118	A202_10.3 P100 BN100LA4	119
147	135	1.0	9.6	2580	A102_9.6 S3 M3LA4	114	A102_9.6 P100 BN100LA4	115
150	131	1.6	9.4	2980	A202_9.4 S3 M3LA4	118	A202_9.4 P100 BN100LA4	119
151	130	2.3	9.3	4530	A302_9.3 S3 M3LA4	122	A302_9.3 P100 BN100LA4	123
151	130	3.1	9.3	7240	A352_9.3 S3 M3LA4	126	A352_9.3 P100 BN100LA4	127
166	119	1.2	8.5	3050	A102_8.5 S3 M3LA4	114	A102_8.5 P100 BN100LA4	115
167	119	2.5	8.5	4430	A302_8.5 S3 M3LA4	122	A302_8.5 P100 BN100LA4	123
167	119	3.2	8.5	7060	A352_8.5 S3 M3LA4	126	A352_8.5 P100 BN100LA4	127
168	117	1.8	8.4	2930	A202_8.4 S3 M3LA4	118	A202_8.4 P100 BN100LA4	119
193	102	2.1	7.3	2860	A202_7.3 S3 M3LA4	118	A202_7.3 P100 BN100LA4	119



2.2 kBT





R_2 MMH ¹	M_2 Hz	S	i	R_{-2} H			 IEC 	
196	101	1.4	7.2	2520	A102_7.2 S3 M3LA4	114	A102_7.2 P100 BN100LA4	115
201	98	3.0	7.0	4240	A302_7.0 S3 M3LA4	122	A302_7.0 P100 BN100LA4	123
216	92	2.3	6.5	2610	A202_6.5 S3 M3LA4	118	A202_6.5 P100 BN100LA4	119
220	90	3.3	6.4	4150	A302_6.4 S3 M3LA4	122	A302_6.4 P100 BN100LA4	123
223	89	1.6	6.3	2950	A102_6.3 S3 M3LA4	114	A102_6.3 P100 BN100LA4	115
258	77	1.8	5.5	2430	A102_5.5 S3 M3LA4	114	A102_5.5 P100 BN100LA4	115
263	75	2.8	5.4	2700	A202_5.4 S3 M3LA4	118	A202_5.4 P100 BN100LA4	119
304	65	3.2	9.4	2620	A202_9.4 S3 M3SA2	118	A202_9.4 P90 BN90L2	119

3 kBT

1.6	15653	0.9	865.1	75000	A904_865.1 S3 M3LB4	152	A904_865.1 P100 BN100LB4	153
1.8	13876	1.0	766.9	75000	A904_766.9 S3 M3LB4	152	A904_766.9 P100 BN100LB4	153
2.0	12809	1.1	707.9	75000	A904_707.9 S3 M3LB4	152	A904_707.9 P100 BN100LB4	153
2.3	10885	1.3	601.6	75000	A904_601.6 S3 M3LB4	152	A904_601.6 P100 BN100LB4	153
2.5	10047	1.4	555.3	75000	A904_555.3 S3 M3LB4	152	A904_555.3 P100 BN100LB4	153
2.9	8904	1.6	486.6	75000	A904_486.6 S3 M3LB4	152	A904_486.6 P100 BN100LB4	153
2.9	8665	0.9	478.9	65000	A804_478.9 S3 M3LB4	149	A804_478.9 P100 BN100LB4	150
3.1	8127	1.7	449.2	75000	A904_449.2 S3 M3LB4	152	A904_449.2 P100 BN100LB4	153
3.2	7999	1.0	442.1	65000	A804_442.1 S3 M3LB4	149	A804_442.1 P100 BN100LB4	150
3.7	6974	2.0	385.4	75000	A904_385.4 S3 M3LB4	152	A904_385.4 P100 BN100LB4	153
3.7	6938	1.2	383.5	65000	A804_383.5 S3 M3LB4	149	A804_383.5 P100 BN100LB4	150
4.0	6438	2.2	355.8	75000	A904_355.8 S3 M3LB4	152	A904_355.8 P100 BN100LB4	153
4.0	6405	1.2	354.0	65000	A804_354.0 S3 M3LB4	149	A804_354.0 P100 BN100LB4	150
4.5	5724	0.9	316.4	50000	A704_316.4 S3 M3LB4	146	A704_316.4 P100 BN100LB4	147
4.6	5517	2.5	304.9	75000	A904_304.9 S3 M3LB4	152	A904_304.9 P100 BN100LB4	153
4.7	5435	1.5	300.4	65000	A804_300.4 S3 M3LB4	149	A804_300.4 P100 BN100LB4	150
4.8	5284	0.9	292.0	50000	A704_292.0 S3 M3LB4	146	A704_292.0 P100 BN100LB4	147
5.0	5092	2.7	281.4	75000	A904_281.4 S3 M3LB4	152	A904_281.4 P100 BN100LB4	153
5.1	5017	1.8	277.3	65000	A804_277.3 S3 M3LB4	149	A804_277.3 P100 BN100LB4	150
5.9	4317	1.2	238.6	50000	A704_238.6 S3 M3LB4	146	A704_238.6 P100 BN100LB4	147
6.1	4209	1.9	232.6	65000	A804_232.6 S3 M3LB4	149	A804_232.6 P100 BN100LB4	150
6.2	4097	3.4	226.4	75000	A904_226.4 S3 M3LB4	152	A904_226.4 P100 BN100LB4	153
6.4	3985	1.3	220.3	50000	A704_220.3 S3 M3LB4	146	A704_220.3 P100 BN100LB4	147
6.6	3885	2.1	214.7	65000	A804_214.7 S3 M3LB4	149	A804_214.7 P100 BN100LB4	150
7.7	3327	1.5	183.9	50000	A704_183.9 S3 M3LB4	146	A704_183.9 P100 BN100LB4	147
8.2	3172	0.9	171.5	30000	A603_171.5 S3 M3LB4	142	A603_171.5 P100 BN100LB4	143
8.2	3099	2.6	171.3	65000	A804_171.3 S3 M3LB4	149	A804_171.3 P100 BN100LB4	150
8.3	3071	1.6	169.8	50000	A704_169.8 S3 M3LB4	146	A704_169.8 P100 BN100LB4	147
9.0	2901	2.8	156.8	65000	A803_156.8 S3 M3LB4	149	A803_156.8 P100 BN100LB4	150
9.0	2887	1.0	156.0	30000	A603_156.0 S3 M3LB4	142	A603_156.0 P100 BN100LB4	143
9.2	2843	1.4	153.7	50000	A703_153.7 S3 M3LB4	146	A703_153.7 P100 BN100LB4	147
9.7	2678	3.0	144.7	65000	A803_144.7 S3 M3LB4	149	A803_144.7 P100 BN100LB4	150
9.8	2665	1.1	144.0	30000	A603_144.0 S3 M3LB4	142	A603_144.0 P100 BN100LB4	143
9.9	2624	1.9	141.9	50000	A703_141.9 S3 M3LB4	146	A703_141.9 P100 BN100LB4	147
10.6	2466	1.1	133.3	30000	A603_133.3 S3 M3LB4	142	A603_133.3 P100 BN100LB4	143
10.8	2417	2.1	130.7	50000	A703_130.7 S3 M3LB4	146	A703_130.7 P100 BN100LB4	147
11.2	2324	3.4	125.6	65000	A803_125.6 S3 M3LB4	149	A803_125.6 P100 BN100LB4	150
11.5	2276	1.2	123.0	30000	A603_123.0 S3 M3LB4	142	A603_123.0 P100 BN100LB4	143
11.7	2231	2.2	120.6	50000	A703_120.6 S3 M3LB4	146	A703_120.6 P100 BN100LB4	147
13.1	1994	1.4	107.8	30000	A603_107.8 S3 M3LB4	142	A603_107.8 P100 BN100LB4	143



3 kBT

R_2 MMH ¹	M_2 Hm	S	i	R_{-2} H				IEC	
13.5	1928	2.6	104.2	50000	A703_104.2 S3 M3LB4	146	A703_104.2 P100 BN100LB4		147
13.9	1876	1.1	101.4	30000	A553_101.4 S3 M3LB4	138	A553_101.4 P100 BN100LB4		139
14.2	1841	1.5	99.5	30000	A603_99.5 S3 M3LB4	142	A603_99.5 P100 BN100LB4		143
14.7	1780	2.8	96.2	50000	A703_96.2 S3 M3LB4	146	A703_96.2 P100 BN100LB4		147
15.7	1657	0.9	89.5	17100	A503_89.5 S3 M3LB4	142	A503_89.5 P100 BN100LB4		135
16.3	1598	1.8	86.4	30000	A603_86.4 S3 M3LB4	142	A603_86.4 P100 BN100LB4		143
16.4	1590	3.1	85.9	50000	A703_85.9 S3 M3LB4	146	A703_85.9 P100 BN100LB4		147
17.3	1507	1.0	81.5	17200	A503_81.5 S3 M3LB4	134	A503_81.5 P100 BN100LB4		135
17.7	1475	1.9	79.7	30000	A603_79.7 S3 M3LB4	142	A603_79.7 P100 BN100LB4		143
17.7	1471	1.4	79.5	30000	A553_79.5 S3 M3LB4	138	A553_79.5 P100 BN100LB4		139
17.8	1468	3.4	79.3	50000	A703_79.3 S3 M3LB4	146	A703_79.3 P100 BN100LB4		147
20.0	1303	2.1	70.4	30000	A603_70.4 S3 M3LB4	142	A603_70.4 P100 BN100LB4		143
20.1	1299	1.2	70.2	17200	A503_70.2 S3 M3LB4	134	A503_70.2 P100 BN100LB4		135
21.7	1202	2.3	65.0	30000	A603_65.0 S3 M3LB4	142	A603_65.0 P100 BN100LB4		143
21.9	1190	1.7	64.3	30000	A553_64.3 S3 M3LB4	138	A553_64.3 P100 BN100LB4		139
22.1	1182	1.3	63.9	17100	A503_63.9 S3 M3LB4	134	A503_63.9 P100 BN100LB4		135
24.8	1051	1.4	56.8	17000	A503_56.8 S3 M3LB4	134	A503_56.8 P100 BN100LB4		135
25.4	1029	2.7	55.6	30000	A603_55.6 S3 M3LB4	142	A603_55.6 P100 BN100LB4		143
27.3	956	1.6	51.7	16800	A503_51.7 S3 M3LB4	134	A503_51.7 P100 BN100LB4		135
27.5	950	2.9	51.3	30000	A603_51.3 S3 M3LB4	142	A603_51.3 P100 BN100LB4		143
27.7	943	2.1	51.0	30000	A553_51.0 S3 M3LB4	138	A553_51.0 P100 BN100LB4		139
29.2	923	0.9	48.3	12700	A412_48.3 S3 M3LB4	130	A412_48.3 P100 BN100LB4		131
31	861	1.0	45.1	12600	A412_45.1 S3 M3LB4	130	A412_45.1 P100 BN100LB4		131
31	836	3.3	45.2	30000	A603_45.2 S3 M3LB4	142	A603_45.2 P100 BN100LB4		143
31	833	1.8	45.0	16500	A503_45.0 S3 M3LB4	134	A503_45.0 P100 BN100LB4		135
34	757	2.0	40.9	16300	A503_40.9 S3 M3LB4	134	A503_40.9 P100 BN100LB4		135
35	746	2.7	40.3	30000	A553_40.3 S3 M3LB4	138	A553_40.3 P100 BN100LB4		139
38	700	0.9	36.6	8550	A352_36.6 S3 M3LB4	126	A352_36.6 P100 BN100LB4		127
39	686	1.1	35.9	12200	A412_35.9 S3 M3LB4	130	A412_35.9 P100 BN100LB4		131
40	659	2.3	35.6	16000	A503_35.6 S3 M3LB4	134	A503_35.6 P100 BN100LB4		135
43	634	0.9	33.2	8520	A352_33.2 S3 M3LB4	126	A352_33.2 P100 BN100LB4		127
44	599	2.5	32.4	15700	A503_32.4 S3 M3LB4	134	A503_32.4 P100 BN100LB4		135
50	543	1.1	28.4	8420	A352_28.4 S3 M3LB4	126	A352_28.4 P100 BN100LB4		127
50	541	1.3	28.3	11700	A412_28.3 S3 M3LB4	130	A412_28.3 P100 BN100LB4		131
53	489	3.1	26.4	15100	A503_26.4 S3 M3LB4	134	A503_26.4 P100 BN100LB4		135
55	491	1.2	25.7	8330	A352_25.7 S3 M3LB4	126	A352_25.7 P100 BN100LB4		127
59	445	3.4	24.0	14800	A503_24.0 S3 M3LB4	134	A503_24.0 P100 BN100LB4		135
62	435	0.9	22.8	4610	A302_22.8 S3 M3LB4	122	A302_22.8 P100 BN100LB4		123
62	433	1.8	22.7	11200	A412_22.7 S3 M3LB4	130	A412_22.7 P100 BN100LB4		131
63	430	1.4	22.5	8190	A352_22.5 S3 M3LB4	126	A352_22.5 P100 BN100LB4		127
67	400	3.0	20.9	15500	A502_20.9 S3 M3LB4	134	A502_20.9 P100 BN100LB4		135
69	392	1.0	20.5	4620	A302_20.5 S3 M3LB4	122	A302_20.5 P100 BN100LB4		123
69	390	1.5	20.4	8080	A352_20.4 S3 M3LB4	126	A352_20.4 P100 BN100LB4		127
78	344	1.2	18.0	4600	A302_18.0 S3 M3LB4	122	A302_18.0 P100 BN100LB4		123
79	339	1.9	17.8	10600	A412_17.8 S3 M3LB4	130	A412_17.8 P100 BN100LB4		131
83	324	1.9	17.0	7630	A352_17.0 S3 M3LB4	126	A352_17.0 P100 BN100LB4		127
86	312	1.2	16.3	4580	A302_16.3 S3 M3LB4	122	A302_16.3 P100 BN100LB4		123
88	308	2.0	16.1	10400	A412_16.1 S3 M3LB4	130	A412_16.1 P100 BN100LB4		131
91	296	2.0	15.5	7700	A352_15.5 S3 M3LB4	126	A352_15.5 P100 BN100LB4		127
100	269	0.9	14.1	2650	A202_14.1 S3 M3LB4	118	A202_14.1 P100 BN100LB4		119
102	263	2.2	13.8	9990	A412_13.8 S3 M3LB4	130	A412_13.8 P100 BN100LB4		131
104	259	1.4	13.6	4500	A302_13.6 S3 M3LB4	122	A302_13.6 P100 BN100LB4		123



3 kBT






R_2 MΩ	M_2 Hz	S	i	R_{-2} H			IEC	
108	250	2.4	13.1	7450	A352_13.1 S3 M3LB4	126	A352_13.1 P100 BN100LB4	127
118	229	0.9	12.0	2670	A202_12.0 S3 M3LB4	118	A202_12.0 P100 BN100LB4	119
120	225	1.3	11.8	4400	A302_11.8 S3 M3LB4	122	A302_11.8 P100 BN100LB4	123
120	225	1.8	11.8	7410	A352_11.8 S3 M3LB4	126	A352_11.8 P100 BN100LB4	127
120	224	2.5	11.7	9580	A412_11.7 S3 M3LB4	130	A412_11.7 P100 BN100LB4	131
124	218	1.5	23.1	2690	A202_23.1 S3 M3LA2	118	A202_23.1 P100 BN100L2	119
133	203	2.0	10.6	7230	A352_10.6 S3 M3LB4	126	A352_10.6 P100 BN100LB4	127
135	200	1.7	10.5	4350	A302_10.5 S3 M3LB4	122	A302_10.5 P100 BN100LB4	123
136	198	1.1	10.3	2690	A202_10.3 S3 M3LB4	118	A202_10.3 P100 BN100LB4	119
139	194	2.8	10.1	9230	A412_10.1 S3 M3LB4	130	A412_10.1 P100 BN100LB4	131
150	179	1.2	9.4	2670	A202_9.4 S3 M3LB4	118	A202_9.4 P100 BN100LB4	119
151	178	1.7	9.3	4240	A302_9.3 S3 M3LB4	122	A302_9.3 P100 BN100LB4	123
151	178	2.2	9.3	7000	A352_9.3 S3 M3LB4	126	A352_9.3 P100 BN100LB4	127
153	176	3.1	9.2	8980	A412_9.2 S3 M3LB4	130	A412_9.2 P100 BN100LB4	131
167	162	1.9	8.5	4170	A302_8.5 S3 M3LB4	122	A302_8.5 P100 BN100LB4	123
167	162	2.4	8.5	6840	A352_8.5 S3 M3LB4	126	A352_8.5 P100 BN100LB4	127
168	160	1.3	8.4	2650	A202_8.4 S3 M3LB4	118	A202_8.4 P100 BN100LB4	119
169	159	3.5	8.3	8740	A412_8.3 S3 M3LB4	130	A412_8.3 P100 BN100LB4	131
193	139	1.5	7.3	2620	A202_7.3 S3 M3LB4	118	A202_7.3 P100 BN100LB4	119
196	138	1.0	7.2	2220	A102_7.2 S3 M3LB4	114	A102_7.2 P100 BN100LB4	115
201	134	2.2	7.0	4030	A302_7.0 S3 M3LB4	122	A302_7.0 P100 BN100LB4	123
201	134	2.8	7.0	6520	A352_7.0 S3 M3LB4	126	A352_7.0 P100 BN100LB4	127
216	125	1.7	6.5	2590	A202_6.5 S3 M3LB4	118	A202_6.5 P100 BN100LB4	119
220	123	2.4	6.4	3950	A302_6.4 S3 M3LB4	122	A302_6.4 P100 BN100LB4	123
220	123	2.9	6.4	6360	A352_6.4 S3 M3LB4	126	A352_6.4 P100 BN100LB4	127
223	121	1.2	6.3	2640	A102_6.3 S3 M3LB4	114	A102_6.3 P100 BN100LB4	115
243	111	2.7	11.8	3870	A302_11.8 S3 M3LA2	122	A302_11.8 P100 BN100L2	123
258	104	1.3	5.5	2200	A102_5.5 S3 M3LB4	114	A102_5.5 P100 BN100LB4	115
260	103	2.9	5.4	3810	A302_5.4 S3 M3LB4	122	A302_5.4 P100 BN100LB4	123
260	103	3.3	5.4	6070	A352_5.4 S3 M3LB4	126	A352_5.4 P100 BN100LB4	127
263	102	2.1	5.4	2520	A202_5.4 S3 M3LB4	118	A202_5.4 P100 BN100LB4	119
277	97	1.9	10.3	2500	A202_10.3 S3 M3LA2	118	A202_10.3 P100 BN100L2	119
307	88	3.4	9.3	3670	A302_9.3 S3 M3LA2	122	A302_9.3 P100 BN100L2	123
342	79	2.7	8.4	2410	A202_8.4 S3 M3LA2	118	A202_8.4 P100 BN100L2	119
397	68	2.1	7.2	2090	A102_7.2 S3 M3LA2	114	A102_7.2 P100 BN100L2	115
451	60	2.3	6.3	2430	A102_6.3 S3 M3LA2	114	A102_6.3 P100 BN100L2	115
523	51	2.6	5.5	1990	A102_5.5 S3 M3LA2	114	A102_5.5 P100 BN100L2	115

4 kBT

2.3	14616	1.0	601.6	75000	A904_601.6 S3 M3LC4	152	A904_601.6 P112 BN112M4	153
2.5	13492	1.0	555.3	75000	A904_555.3 S3 M3LC4	152	A904_555.3 P112 BN112M4	153
2.9	11823	1.2	486.6	75000	A904_486.6 S3 M3LC4	152	A904_486.6 P112 BN112M4	153
3.1	10913	1.3	449.2	75000	A904_449.2 S3 M3LC4	152	A904_449.2 P112 BN112M4	153
3.6	9365	1.5	385.4	75000	A904_385.4 S3 M3LC4	152	A904_385.4 P112 BN112M4	153
3.7	9317	0.9	383.5	65000	A804_383.5 S3 M3LC4	149	A804_383.5 P112 BN112M4	150
3.9	8645	1.6	355.8	75000	A904_355.8 S3 M3LC4	152	A904_355.8 P112 BN112M4	153
4.0	8600	0.9	354.0	65000	A804_354.0 S3 M3LC4	149	A804_354.0 P112 BN112M4	150
4.6	7406	1.9	304.9	75000	A904_304.9 S3 M3LC4	152	A904_304.9 P112 BN112M4	153
4.7	7299	1.1	300.4	65000	A804_300.4 S3 M3LC4	149	A804_300.4 P112 BN112M4	150








4 kBT

R_2 MMH ¹	M_2 Hm	S	i	R_{-2} H			 IEC 	
5.0	6838	2.0	281.4	75000	A904_281.4 S3 M3LC4	152	A904_281.4 P112 BN112M4	153
5.0	6737	1.2	277.3	65000	A804_277.3 S3 M3LC4	149	A804_277.3 P112 BN112M4	150
5.9	5797	0.9	238.6	50000	A704_238.6 S3 M3LC4	146	A704_238.6 P112 BN112M4	147
6.0	5652	1.4	232.6	65000	A804_232.6 S3 M3LC4	149	A804_232.6 P112 BN112M4	150
6.2	5502	2.5	226.4	75000	A904_226.4 S3 M3LC4	152	A904_226.4 P112 BN112M4	153
6.4	5352	0.9	220.3	50000	A704_220.3 S3 M3LC4	146	A704_220.3 P112 BN112M4	147
6.5	5217	1.5	214.7	65000	A804_214.7 S3 M3LC4	149	A804_214.7 P112 BN112M4	150
6.7	5078	2.8	209.0	75000	A904_209.0 S3 M3LC4	152	A904_209.0 P112 BN112M4	153
7.6	4468	1.1	183.9	50000	A704_183.9 S3 M3LC4	146	A704_183.9 P112 BN112M4	147
7.8	4373	3.2	180.0	75000	A904_180.0 S3 M3LC4	152	A904_180.0 P112 BN112M4	153
8.2	4162	1.9	171.3	65000	A804_171.3 S3 M3LC4	149	A804_171.3 P112 BN112M4	150
8.2	4125	1.2	169.8	50000	A704_169.8 S3 M3LC4	146	A704_169.8 P112 BN112M4	147
8.4	4036	3.5	168.1	75000	A904_166.1 S3 M3LC4	152	A904_166.1 P112 BN112M4	153
8.9	3895	2.1	156.8	65000	A803_156.8 S3 M3LC4	149	A803_156.8 P112 BN112M4	150
9.1	3818	1.1	153.7	50000	A703_153.7 S3 M3LC4	146	A703_153.7 P112 BN112M4	147
9.7	3596	2.2	144.7	65000	A803_144.7 S3 M3LC4	149	A803_144.7 P112 BN112M4	150
9.9	3524	1.4	141.9	50000	A703_141.9 S3 M3LC4	146	A703_141.9 P112 BN112M4	147
10.7	3248	1.5	130.7	50000	A703_130.7 S3 M3LC4	146	A703_130.7 P112 BN112M4	147
11.1	3121	2.6	125.6	65000	A803_125.6 S3 M3LC4	149	A803_125.6 P112 BN112M4	150
11.4	3058	0.9	123.0	30000	A603_123.0 S3 M3LC4	142	A603_123.0 P112 BN112M4	143
11.6	2996	1.7	120.6	50000	A703_120.6 S3 M3LC4	146	A703_120.6 P112 BN112M4	147
12.1	2881	2.8	116.0	65000	A803_116.0 S3 M3LC4	149	A803_116.0 P112 BN112M4	150
13.0	2678	1.0	107.8	30000	A603_107.8 S3 M3LC4	142	A603_107.8 P112 BN112M4	143
13.4	2590	1.9	104.2	50000	A703_104.2 S3 M3LC4	146	A703_104.2 P112 BN112M4	147
13.5	2584	3.1	104.0	65000	A803_104.0 S3 M3LC4	149	A803_104.0 P112 BN112M4	150
14.1	2472	1.1	99.5	30000	A603_99.5 S3 M3LC4	142	A603_99.5 P112 BN112M4	143
14.6	2390	2.1	96.2	50000	A703_96.2 S3 M3LC4	146	A703_96.2 P112 BN112M4	147
14.6	2386	3.4	96.0	65000	A803_96.0 S3 M3LC4	149	A803_96.0 P112 BN112M4	150
16.2	2146	1.3	86.4	30000	A603_86.4 S3 M3LC4	142	A603_86.4 P112 BN112M4	143
16.3	2135	2.3	85.9	50000	A703_85.9 S3 M3LC4	146	A703_85.9 P112 BN112M4	147
17.6	1980	1.4	79.7	30000	A603_79.7 S3 M3LC4	142	A603_79.7 P112 BN112M4	143
17.6	1976	1.0	79.5	30000	A553_79.5 S3 M3LC4	138	A553_79.5 P112 BN112M4	139
17.6	1971	2.5	79.3	50000	A703_79.3 S3 M3LC4	146	A703_79.3 P112 BN112M4	147
19.3	1802	2.8	72.5	50000	A703_72.5 S3 M3LC4	146	A703_72.5 P112 BN112M4	147
19.9	1749	1.6	70.4	30000	A603_70.4 S3 M3LC4	142	A603_70.4 P112 BN112M4	143
20.9	1663	3.0	66.9	50000	A703_66.9 S3 M3LC4	146	A703_66.9 P112 BN112M4	147
21.5	1615	1.7	65.0	30000	A603_65.0 S3 M3LC4	142	A603_65.0 P112 BN112M4	143
21.8	1598	1.3	64.3	30000	A553_64.3 S3 M3LC4	138	A553_64.3 P112 BN112M4	139
21.9	1587	0.9	63.9	14700	A503_63.9 S3 M3LC4	134	A503_63.9 P112 BN112M4	135
24.6	1411	1.1	56.8	14800	A503_56.8 S3 M3LC4	134	A503_56.8 P112 BN112M4	135
25.2	1381	2.0	55.6	30000	A603_55.6 S3 M3LC4	142	A603_55.6 P112 BN112M4	143
27.1	1284	1.2	51.7	14900	A503_51.7 S3 M3LC4	134	A503_51.7 P112 BN112M4	135
27.3	1275	2.2	51.3	30000	A603_51.3 S3 M3LC4	142	A603_51.3 P112 BN112M4	143
27.5	1266	1.6	51.0	30000	A553_51.0 S3 M3LC4	138	A553_51.0 P112 BN112M4	139
31	1123	2.5	45.2	30000	A603_45.2 S3 M3LC4	142	A603_45.2 P112 BN112M4	143
31	1118	1.3	45.0	14900	A503_45.0 S3 M3LC4	134	A503_45.0 P112 BN112M4	135
34	1036	2.7	41.7	30000	A603_41.7 S3 M3LC4	142	A603_41.7 P112 BN112M4	143
34	1017	1.5	40.9	14800	A503_40.9 S3 M3LC4	134	A503_40.9 P112 BN112M4	135
35	1001	2.0	40.3	30000	A553_40.3 S3 M3LC4	138	A553_40.3 P112 BN112M4	139
39	884	1.7	35.6	14700	A503_35.6 S3 M3LC4	134	A503_35.6 P112 BN112M4	135
41	852	3.3	34.3	30000	A603_34.3 S3 M3LC4	142	A603_34.3 P112 BN112M4	143
43	804	1.9	32.4	14500	A503_32.4 S3 M3LC4	134	A503_32.4 P112 BN112M4	135







4 kBT

R_2 MMH ¹	M_2 Hz	S	i	R_{-2} H			 IEC 	
47	744	2.7	29.9	30000	A553_29.9 S3 M3LC4	138	A553_29.9 P112 BN112M4	139
49	727	1.0	28.3	10000	A412_28.3 S3 M3LC4	130	A412_28.3 P112 BN112M4	131
53	657	2.3	26.4	14100	A503_26.4 S3 M3LC4	134	A503_26.4 P112 BN112M4	135
55	659	0.9	25.7	7420	A352_25.7 S3 M3LC4	126	A352_25.7 P112 BN112M4	127
58	597	2.5	24.0	13900	A503_24.0 S3 M3LC4	134	A503_24.0 P112 BN112M4	135
59	591	3.3	23.8	30000	A553_23.8 S3 M3LC4	138	A553_23.8 P112 BN112M4	139
62	582	1.2	22.7	10500	A412_22.7 S3 M3LC4	130	A412_22.7 P112 BN112M4	131
62	577	1.0	22.5	7400	A352_22.5 S3 M3LC4	126	A352_22.5 P112 BN112M4	127
67	537	2.2	20.9	15100	A502_20.9 S3 M3LC4	134	A502_20.9 P112 BN112M4	135
69	524	1.1	20.4	7360	A352_20.4 S3 M3LC4	126	A352_20.4 P112 BN112M4	127
78	462	0.9	18.0	3030	A302_18.0 S3 M3LC4	122	A302_18.0 P112 BN112M4	123
79	456	1.4	17.8	10100	A412_17.8 S3 M3LC4	130	A412_17.8 P112 BN112M4	131
83	435	1.4	17.0	7240	A352_17.0 S3 M3LC4	126	A352_17.0 P112 BN112M4	127
84	425	2.8	16.6	14200	A502_16.6 S3 M3LC4	134	A502_16.6 P112 BN112M4	135
86	419	0.9	16.3	3970	A302_16.3 S3 M3LC4	122	A302_16.3 P112 BN112M4	123
87	413	1.5	16.1	9940	A412_16.1 S3 M3LC4	130	A412_16.1 P112 BN112M4	131
90	397	1.5	15.5	7100	A352_15.5 S3 M3LC4	126	A352_15.5 P112 BN112M4	127
102	353	1.7	13.8	9610	A412_13.8 S3 M3LC4	130	A412_13.8 P112 BN112M4	131
103	348	1.1	13.6	4000	A302_13.6 S3 M3LC4	122	A302_13.6 P112 BN112M4	123
107	336	3.3	13.1	13300	A502_13.1 S3 M3LC4	134	A502_13.1 P112 BN112M4	135
107	335	1.8	13.1	7000	A352_13.1 S3 M3LC4	126	A352_13.1 P112 BN112M4	127
119	302	1.0	11.8	3960	A302_11.8 S3 M3LC4	122	A302_11.8 P112 BN112M4	123
119	302	1.3	11.8	7050	A352_11.8 S3 M3LC4	126	A352_11.8 P112 BN112M4	127
119	301	1.8	11.7	9260	A412_11.7 S3 M3LC4	130	A412_11.7 P112 BN112M4	131
126	285	1.2	22.8	3980	A302_22.8 S3 M3LB2	122	A302_22.8 P112 BN112M2	123
132	273	1.5	10.6	6910	A352_10.6 S3 M3LC4	126	A352_10.6 P112 BN112M4	127
134	268	1.3	10.5	3070	A302_10.5 S3 M3LC4	122	A302_10.5 P112 BN112M4	123
138	260	2.1	10.1	8060	A412_10.1 S3 M3LC4	130	A412_10.1 P112 BN112M4	131
150	239	1.3	9.3	3900	A302_9.3 S3 M3LC4	122	A302_9.3 P112 BN112M4	123
150	239	1.7	9.3	6730	A352_9.3 S3 M3LC4	126	A352_9.3 P112 BN112M4	127
152	236	2.3	9.2	8740	A412_9.2 S3 M3LC4	130	A412_9.2 P112 BN112M4	131
165	217	1.4	8.5	3860	A302_8.5 S3 M3LC4	122	A302_8.5 P112 BN112M4	123
165	217	1.8	8.5	6590	A352_8.5 S3 M3LC4	126	A352_8.5 P112 BN112M4	127
167	215	1.0	8.4	2300	A202_8.4 S3 M3LC4	118	A202_8.4 P112 BN112M4	119
168	214	2.6	8.3	8520	A412_8.3 S3 M3LC4	130	A412_8.3 P112 BN112M4	131
192	187	1.1	7.3	2310	A202_7.3 S3 M3LC4	118	A202_7.3 P112 BN112M4	119
197	183	3.0	7.1	8190	A412_7.1 S3 M3LC4	130	A412_7.1 P112 BN112M4	131
199	180	1.7	7.0	3770	A302_7.0 S3 M3LC4	122	A302_7.0 P112 BN112M4	123
199	180	2.1	7.0	6310	A352_7.0 S3 M3LC4	126	A352_7.0 P112 BN112M4	127
214	168	1.3	6.5	2310	A202_6.5 S3 M3LC4	118	A202_6.5 P112 BN112M4	119
218	165	1.8	6.4	3720	A302_6.4 S3 M3LC4	122	A302_6.4 P112 BN112M4	123
218	165	2.1	6.4	6180	A352_6.4 S3 M3LC4	126	A352_6.4 P112 BN112M4	127
256	140	1.0	5.5	1910	A102_5.5 S3 M3LC4	114	A102_5.5 P112 BN112M4	115
259	139	2.2	5.4	3610	A302_5.4 S3 M3LC4	122	A302_5.4 P112 BN112M4	123
259	139	2.4	5.4	5920	A352_5.4 S3 M3LC4	126	A352_5.4 P112 BN112M4	127
262	137	1.5	5.4	2300	A202_5.4 S3 M3LC4	118	A202_5.4 P112 BN112M4	119
270	133	3.0	10.6	5850	A352_10.6 S3 M3LB2	126	A352_10.6 P112 BN112M2	127
308	117	3.4	9.3	5650	A352_9.3 S3 M3LB2	126	A352_9.3 P112 BN112M2	127
343	105	2.1	8.4	2230	A202_8.4 S3 M3LB2	118	A202_8.4 P112 BN112M2	119
409	88	3.4	7.0	3280	A302_7.0 S3 M3LB2	122	A302_7.0 P112 BN112M2	123
453	79	1.7	6.3	2240	A102_6.3 S3 M3LB2	114	A102_6.3 P112 BN112M2	115
536	67	2.8	5.4	2080	A202_5.4 S3 M3LB2	118	A202_5.4 P112 BN112M2	119








5.5 kBT

R_2 mmH ²	M_2 Nm	S	I	R_{-2} H				
3.0	15805	0.9	486.6	75000	A904_486.6 S4 M4SA4	152	A904_486.6 P132 BN132S4	153
3.2	14589	1.0	449.2	75000	A904_449.2 S4 M4SA4	152	A904_449.2 P132 BN132S4	153
3.7	12519	1.1	385.4	75000	A904_385.4 S4 M4SA4	150	A904_385.4 P132 BN132S4	150
4.0	11556	1.2	355.6	75000	A904_355.6 S4 M4SA4	152	A904_355.6 P132 BN132S4	153
4.7	9903	1.4	304.9	75000	A904_304.9 S4 M4SA4	152	A904_304.9 P132 BN132S4	153
5.1	9141	1.5	281.4	75000	A904_281.4 S4 M4SA4	152	A904_281.4 P132 BN132S4	153
5.2	9006	0.9	277.3	65000	A804_277.3 S4 M4SA4	149	A804_277.3 P132 BN132S4	150
6.2	7556	1.1	232.6	65000	A804_232.6 S4 M4SA4	149	A804_232.6 P132 BN132S4	150
6.4	7354	1.9	226.4	75000	A904_226.4 S4 M4SA4	152	A904_226.4 P132 BN132S4	153
6.7	6975	1.1	214.7	65000	A804_214.7 S4 M4SA4	149	A804_214.7 P132 BN132S4	150
6.9	6789	2.1	209.0	75000	A904_209.0 S4 M4SA4	152	A904_209.0 P132 BN132S4	153
8.0	5846	2.4	180.0	75000	A904_180.0 S4 M4SA4	152	A904_180.0 P132 BN132S4	153
8.4	5564	1.4	171.3	65000	A804_171.3 S4 M4SA4	149	A804_171.3 P132 BN132S4	150
8.5	5514	0.9	169.8	50000	A704_169.8 S4 M4SA4	146	A704_169.8 P132 BN132S4	147
8.7	5396	2.6	166.1	75000	A904_166.1 S4 M4SA4	152	A904_166.1 P132 BN132S4	153
9.2	5207	1.5	156.8	65000	A803_156.8 S4 M4SA4	149	A803_156.8 P132 BN132S4	150
9.5	5015	2.8	151.0	75000	A903_151.0 S4 M4SA4	152	A903_151.0 P132 BN132S4	153
9.9	4807	1.7	144.7	65000	A803_144.7 S4 M4SA4	149	A803_144.7 P132 BN132S4	150
10.2	4711	1.1	141.9	50000	A703_141.9 S4 M4SA4	146	A703_141.9 P132 BN132S4	147
10.3	4629	2.8	139.4	75000	A903_139.4 S4 M4SA4	152	A903_139.4 P132 BN132S4	153
11.0	4330	1.2	130.7	50000	A703_130.7 S4 M4SA4	146	A703_130.7 P132 BN132S4	147
11.4	4206	3.1	126.6	75000	A903_126.6 S4 M4SA4	152	A903_126.6 P132 BN132S4	153
11.5	4172	1.9	125.6	65000	A803_125.6 S4 M4SA4	149	A803_125.6 P132 BN132S4	150
11.9	4006	1.2	120.6	50000	A703_120.6 S4 M4SA4	146	A703_120.6 P132 BN132S4	147
12.4	3851	2.1	116.0	65000	A803_116.0 S4 M4SA4	149	A803_116.0 P132 BN132S4	150
13.8	3462	1.4	104.2	50000	A703_104.2 S4 M4SA4	146	A703_104.2 P132 BN132S4	147
13.8	3455	2.3	104.0	65000	A803_104.0 S4 M4SA4	149	A803_104.0 P132 BN132S4	150
15.0	3195	1.6	96.2	50000	A703_96.2 S4 M4SA4	146	A703_96.2 P132 BN132S4	147
15.0	3189	2.5	96.0	65000	A803_96.0 S4 M4SA4	149	A803_96.0 P132 BN132S4	150
16.1	2962	2.7	89.2	65000	A803_89.2 S4 M4SA4	149	A803_89.2 P132 BN132S4	150
16.7	2868	1.0	86.4	30000	A603_86.4 S4 M4SA4	142	A603_86.4 P132 BN132S4	143
16.8	2854	1.8	85.9	50000	A703_85.9 S4 M4SA4	146	A703_85.9 P132 BN132S4	147
17.5	2734	2.9	82.3	65000	A803_82.3 S4 M4SA4	149	A803_82.3 P132 BN132S4	150
18.1	2648	1.1	79.7	30000	A603_79.7 S4 M4SA4	142	A603_79.7 P132 BN132S4	143
18.2	2635	1.9	79.3	50000	A703_79.3 S4 M4SA4	146	A703_79.3 P132 BN132S4	147
19.9	2408	2.1	72.5	50000	A703_72.5 S4 M4SA4	146	A703_72.5 P132 BN132S4	147
19.9	2403	3.3	72.4	65000	A803_72.4 S4 M4SA4	149	A803_72.4 P132 BN132S4	150
20.5	2338	1.2	70.4	30000	A603_70.4 S4 M4SA4	142	A603_70.4 P132 BN132S4	143
21.5	2223	2.2	66.9	50000	A703_66.9 S4 M4SA4	146	A703_66.9 P132 BN132S4	147
22.2	2158	1.3	65.0	30000	A603_65.0 S4 M4SA4	142	A603_65.0 P132 BN132S4	143
22.4	2136	0.9	64.3	30000	A553_64.3 S4 M4SA4	138	A553_64.3 P132 BN132S4	139
25.0	1915	2.6	57.7	50000	A703_57.7 S4 M4SA4	146	A703_57.7 P132 BN132S4	147
25.9	1847	1.5	55.6	30000	A603_55.6 S4 M4SA4	142	A603_55.6 P132 BN132S4	143
27.1	1768	2.8	53.2	50000	A703_53.2 S4 M4SA4	146	A703_53.2 P132 BN132S4	147
28.1	1705	1.6	51.3	30000	A603_51.3 S4 M4SA4	142	A603_51.3 P132 BN132S4	143
28.3	1692	1.2	51.0	30000	A553_51.0 S4 M4SA4	138	A553_51.0 P132 BN132S4	139
29.4	1627	3.1	49.0	50000	A703_49.0 S4 M4SA4	146	A703_49.0 P132 BN132S4	147
32	1502	3.2	45.2	50000	A703_45.2 S4 M4SA4	146	A703_45.2 P132 BN132S4	147
32	1501	1.9	45.2	30000	A603_45.2 S4 M4SA4	142	A603_45.2 P132 BN132S4	143
32	1495	1.0	45.0	12400	A503_45.0 S4 M4SA4	134	A503_45.0 P132 BN132S4	135
35	1385	2.0	41.7	30000	A603_41.7 S4 M4SA4	142	A603_41.7 P132 BN132S4	143
35	1360	1.1	40.9	12600	A503_40.9 S4 M4SA4	134	A503_40.9 P132 BN132S4	135



5.5 kBT





n_2 MMH ⁻¹	M_2 Hz	S	I	R_{20} H			 IEC 	
36	1338	1.5	40.3	30000	A553_40.3 S4 M4SA4	136	A553_40.3 P132 BN132S4	139
40	1182	1.3	35.6	12700	A503_35.6 S4 M4SA4	134	A503_35.6 P132 BN132S4	135
42	1139	2.5	34.3	30000	A603_34.3 S4 M4SA4	142	A603_34.3 P132 BN132S4	143
44	1075	1.4	32.4	12700	A503_32.4 S4 M4SA4	134	A503_32.4 P132 BN132S4	135
45	1051	2.7	31.7	30000	A603_31.7 S4 M4SA4	142	A603_31.7 P132 BN132S4	143
48	994	2.0	29.9	30000	A553_29.9 S4 M4SA4	134	A553_29.9 P132 BN132S4	139
52	925	3.0	27.9	30000	A603_27.9 S4 M4SA4	142	A603_27.9 P132 BN132S4	143
54	878	1.7	26.4	12600	A503_26.4 S4 M4SA4	134	A503_26.4 P132 BN132S4	135
56	854	3.3	25.7	30000	A603_25.7 S4 M4SA4	142	A603_25.7 P132 BN132S4	143
60	799	1.9	24.0	12500	A503_24.0 S4 M4SA4	134	A503_24.0 P132 BN132S4	135
61	790	2.5	23.8	29800	A553_23.8 S4 M4SA4	136	A553_23.8 P132 BN132S4	139
69	718	1.7	20.9	14400	A502_20.9 S4 M4SA4	134	A502_20.9 P132 BN132S4	135
70	706	2.8	20.6	30000	A602_20.6 S4 M4SA4	142	A602_20.6 P132 BN132S4	143
75	660	2.7	19.2	29300	A552_19.2 S4 M4SA4	136	A552_19.2 P132 BN132S4	139
81	609	1.0	17.8	9280	A412_17.8 S4 M4SA4	130	A412_17.8 P132 BN132S4	131
86	574	3.5	16.7	30000	A602_16.7 S4 M4SA4	142	A602_16.7 P132 BN132S4	143
87	568	2.1	16.6	13600	A502_16.6 S4 M4SA4	134	A502_16.6 P132 BN132S4	135
89	552	1.1	16.1	9160	A412_16.1 S4 M4SA4	130	A412_16.1 P132 BN132S4	131
92	538	3.3	15.7	27700	A552_15.7 S4 M4SA4	136	A552_15.7 P132 BN132S4	139
105	472	1.2	13.8	8940	A412_13.8 S4 M4SA4	130	A412_13.8 P132 BN132S4	131
110	450	2.4	13.1	12800	A502_13.1 S4 M4SA4	134	A502_13.1 P132 BN132S4	135
122	404	1.0	11.8	6450	A352_11.8 S4 M4SA4	122	A352_11.8 P132 BN132S4	127
123	403	1.4	11.7	8670	A412_11.7 S4 M4SA4	130	A412_11.7 P132 BN132S4	131
135	365	1.1	10.6	6360	A352_10.6 S4 M4SA4	122	A352_10.6 P132 BN132S4	127
142	348	1.5	10.1	8440	A412_10.1 S4 M4SA4	130	A412_10.1 P132 BN132S4	131
148	334	3.0	9.7	11800	A502_9.7 S4 M4SA4	134	A502_9.7 P132 BN132S4	135
155	319	1.3	9.3	6240	A352_9.3 S4 M4SA4	122	A352_9.3 P132 BN132S4	127
157	316	1.7	9.2	8250	A412_9.2 S4 M4SA4	130	A412_9.2 P132 BN132S4	131
170	290	1.3	8.5	6140	A352_8.5 S4 M4SA4	122	A352_8.5 P132 BN132S4	127
173	286	1.9	8.3	8080	A412_8.3 S4 M4SA4	130	A412_8.3 P132 BN132S4	131
202	244	2.3	7.1	7790	A412_7.1 S4 M4SA4	130	A412_7.1 P132 BN132S4	131
205	241	1.5	7.0	5930	A352_7.0 S4 M4SA4	122	A352_7.0 P132 BN132S4	127
225	220	1.6	6.4	5620	A352_6.4 S4 M4SA4	122	A352_6.4 P132 BN132S4	127
246	201	2.7	11.7	7430	A412_11.7 S4 M4SA2	130	A412_11.7 P132 BN132SA2	131
266	186	1.8	5.4	5610	A352_5.4 S4 M4SA4	122	A352_5.4 P132 BN132S4	127
275	180	3.1	5.2	7230	A412_5.2 S4 M4SA4	130	A412_5.2 P132 BN132S4	131
285	173	2.5	10.1	7170	A412_10.1 S4 M4SA2	130	A412_10.1 P132 BN132SA2	131
411	120	3.1	7.0	5060	A352_7.0 S4 M4SA2	122	A352_7.0 P132 BN132SA2	127

7.5 kBT

4.0	15759	0.9	355.8	75000	A904_355.8 S4 M4LA4	152	A904_355.8 P132 BN132MA4	153
4.7	13504	1.0	304.9	75000	A904_304.9 S4 M4LA4	152	A904_304.9 P132 BN132MA4	153
5.1	12465	1.1	281.4	75000	A904_281.4 S4 M4LA4	152	A904_281.4 P132 BN132MA4	153
6.4	10029	1.4	226.4	75000	A904_226.4 S4 M4LA4	152	A904_226.4 P132 BN132MA4	153
6.9	9257	1.5	209.0	75000	A904_209.0 S4 M4LA4	152	A904_209.0 P132 BN132MA4	153
8.0	7971	1.8	180.0	75000	A904_180.0 S4 M4LA4	152	A904_180.0 P132 BN132MA4	153
8.4	7587	1.1	171.3	65000	A804_171.3 S4 M4LA4	149	A804_171.3 P132 BN132MA4	150



7.5 kBT

n_2 MMH ⁻¹	M_2 Hz	S	I	R_{20} H				
8.7	7358	1.9	166.1	75000	A904_166.1 S4 M4LA4	152	A904_166.1 P132 BN132MA4	153
9.2	7101	1.1	156.8	65000	A803_156.8 S4 M4LA4	149	A803_156.8 P132 BN132MA4	150
9.5	6839	2.0	151.0	75000	A903_151.0 S4 M4LA4	152	A903_151.0 P132 BN132MA4	153
9.9	6555	1.2	144.7	65000	A803_144.7 S4 M4LA4	149	A803_144.7 P132 BN132MA4	150
10.3	6313	2.0	139.4	75000	A903_139.4 S4 M4LA4	152	A903_139.4 P132 BN132MA4	153
11.4	5735	2.3	126.6	75000	A903_126.6 S4 M4LA4	152	A903_126.6 P132 BN132MA4	153
11.5	5689	1.4	125.6	65000	A803_125.6 S4 M4LA4	149	A803_125.6 P132 BN132MA4	150
11.9	5462	0.9	120.6	50000	A703_120.6 S4 M4LA4	146	A703_120.6 P132 BN132MA4	147
12.3	5294	2.6	116.9	75000	A903_116.9 S4 M4LA4	152	A903_116.9 P132 BN132MA4	153
12.4	5251	1.5	116.0	65000	A803_116.0 S4 M4LA4	149	A803_116.0 P132 BN132MA4	150
13.5	4836	2.9	106.8	75000	A903_106.8 S4 M4LA4	152	A903_106.8 P132 BN132MA4	153
13.8	4721	1.1	104.2	50000	A703_104.2 S4 M4LA4	146	A703_104.2 P132 BN132MA4	147
13.8	4711	1.7	104.0	65000	A803_104.0 S4 M4LA4	149	A803_104.0 P132 BN132MA4	150
14.6	4465	3.1	98.6	75000	A903_98.6 S4 M4LA4	152	A903_98.6 P132 BN132MA4	153
15.0	4357	1.1	96.2	50000	A703_96.2 S4 M4LA4	146	A703_96.2 P132 BN132MA4	147
15.0	4349	1.8	96.0	65000	A803_96.0 S4 M4LA4	149	A803_96.0 P132 BN132MA4	150
16.1	4030	2.0	89.2	65000	A803_89.2 S4 M4LA4	149	A803_89.2 P132 BN132MA4	150
16.8	3892	1.3	85.9	50000	A703_85.9 S4 M4LA4	146	A703_85.9 P132 BN132MA4	147
17.5	3728	2.1	82.3	65000	A803_82.3 S4 M4LA4	149	A803_82.3 P132 BN132MA4	150
18.2	3593	1.4	79.3	50000	A703_79.3 S4 M4LA4	146	A703_79.3 P132 BN132MA4	147
19.9	3284	1.5	72.5	50000	A703_72.5 S4 M4LA4	146	A703_72.5 P132 BN132MA4	147
19.9	3277	2.4	72.4	65000	A803_72.4 S4 M4LA4	149	A803_72.4 P132 BN132MA4	150
20.5	3188	0.9	70.4	30000	A603_70.4 S4 M4LA4	142	A603_70.4 P132 BN132MA4	143
21.5	3032	1.6	66.9	50000	A703_66.9 S4 M4LA4	146	A703_66.9 P132 BN132MA4	147
21.6	3025	2.6	66.8	65000	A803_66.8 S4 M4LA4	149	A803_66.8 P132 BN132MA4	150
22.2	2943	1.0	65.0	30000	A603_65.0 S4 M4LA4	142	A603_65.0 P132 BN132MA4	143
24.1	2707	3.0	59.8	63800	A803_59.8 S4 M4LA4	149	A803_59.8 P132 BN132MA4	150
25.0	2612	1.9	57.7	50000	A703_57.7 S4 M4LA4	146	A703_57.7 P132 BN132MA4	147
25.9	2518	1.1	55.6	30000	A603_55.6 S4 M4LA4	142	A603_55.6 P132 BN132MA4	143
26.1	2499	3.2	55.2	62600	A803_55.2 S4 M4LA4	149	A803_55.2 P132 BN132MA4	150
27.1	2411	2.1	53.2	50000	A703_53.2 S4 M4LA4	146	A703_53.2 P132 BN132MA4	147
28.1	2324	1.2	51.3	30000	A603_51.3 S4 M4LA4	142	A603_51.3 P132 BN132MA4	143
29.4	2219	2.3	49.0	50000	A703_49.0 S4 M4LA4	146	A703_49.0 P132 BN132MA4	147
32	2046	2.3	45.2	50000	A703_45.2 S4 M4LA4	146	A703_45.2 P132 BN132MA4	147
32	2046	1.4	45.2	30000	A603_45.2 S4 M4LA4	142	A603_45.2 P132 BN132MA4	143
35	1889	1.5	41.7	30000	A603_41.7 S4 M4LA4	142	A603_41.7 P132 BN132MA4	143
36	1825	1.1	40.3	30000	A553_40.3 S4 M4LA4	138	A553_40.3 P132 BN132MA4	139
38	1738	2.8	38.4	50000	A703_38.4 S4 M4LA4	146	A703_38.4 P132 BN132MA4	147
40	1612	0.9	35.6	10100	A503_35.6 S4 M4LA4	134	A503_35.6 P132 BN132MA4	135
41	1605	2.8	35.4	50000	A703_35.4 S4 M4LA4	146	A703_35.4 P132 BN132MA4	147
42	1553	1.8	34.3	30000	A603_34.3 S4 M4LA4	142	A603_34.3 P132 BN132MA4	143
44	1466	1.0	32.4	10300	A503_32.4 S4 M4LA4	134	A503_32.4 P132 BN132MA4	135
45	1434	2.0	31.7	30000	A603_31.7 S4 M4LA4	142	A603_31.7 P132 BN132MA4	143
48	1355	1.5	29.9	30000	A553_29.9 S4 M4LA4	138	A553_29.9 P132 BN132MA4	139
52	1261	2.2	27.9	30000	A603_27.9 S4 M4LA4	142	A603_27.9 P132 BN132MA4	143
54	1197	1.3	26.4	10700	A503_26.4 S4 M4LA4	134	A503_26.4 P132 BN132MA4	135
56	1164	2.4	25.7	30000	A603_25.7 S4 M4LA4	142	A603_25.7 P132 BN132MA4	143
60	1089	1.4	24.0	10800	A503_24.0 S4 M4LA4	134	A503_24.0 P132 BN132MA4	135
61	1077	1.8	23.8	28800	A553_23.8 S4 M4LA4	138	A553_23.8 P132 BN132MA4	139
69	979	1.2	20.9	13700	A502_20.9 S4 M4LA4	134	A502_20.9 P132 BN132MA4	135
70	963	2.1	20.6	30000	A602_20.6 S4 M4LA4	142	A602_20.6 P132 BN132MA4	143
75	900	2.0	19.2	28800	A552_19.2 S4 M4LA4	138	A552_19.2 P132 BN132MA4	139



7.5 kBT





n_2 MMH ⁻¹	M_2 Hz	S	I	R_{20} H			IEC	
86	783	2.6	16.7	30000	A602_16.7 S4 M4LA4	142	A602_16.7 P132 BN132MA4	143
87	775	1.5	16.6	13000	A502_16.6 S4 M4LA4	134	A502_16.6 P132 BN132MA4	135
92	734	2.5	15.7	27300	A552_15.7 S4 M4LA4	138	A552_15.7 P132 BN132MA4	139
105	644	0.9	13.8	8130	A412_13.8 S4 M4LA4	130	A412_13.8 P132 BN132MA4	131
110	613	1.8	13.1	12300	A502_13.1 S4 M4LA4	134	A502_13.1 P132 BN132MA4	135
110	612	2.9	13.1	26100	A552_13.1 S4 M4LA4	138	A552_13.1 P132 BN132MA4	139
113	594	3.4	12.7	30000	A602_12.7 S4 M4LA4	142	A602_12.7 P132 BN132MA4	143
123	549	1.0	11.7	7970	A412_11.7 S4 M4LA4	130	A412_11.7 P132 BN132MA4	131
142	474	1.1	10.1	7850	A412_10.1 S4 M4LA4	130	A412_10.1 P132 BN132MA4	131
148	455	2.2	9.7	11500	A502_9.7 S4 M4LA4	134	A502_9.7 P132 BN132MA4	135
155	436	0.9	9.3	5650	A352_9.3 S4 M4LA4	126	A352_9.3 P132 BN132MA4	127
157	430	1.3	9.2	7710	A412_9.2 S4 M4LA4	130	A412_9.2 P132 BN132MA4	131
170	396	1.0	8.5	5600	A352_8.5 S4 M4LA4	126	A352_8.5 P132 BN132MA4	127
173	390	1.4	8.3	7590	A412_8.3 S4 M4LA4	130	A412_8.3 P132 BN132MA4	131
186	362	2.6	7.7	10800	A502_7.7 S4 M4LA4	134	A502_7.7 P132 BN132MA4	135
202	333	1.7	7.1	7370	A412_7.1 S4 M4LA4	130	A412_7.1 P132 BN132MA4	131
205	329	1.1	7.0	5490	A352_7.0 S4 M4LA4	126	A352_7.0 P132 BN132MA4	127
225	300	1.2	6.4	5420	A352_6.4 S4 M4LA4	126	A352_6.4 P132 BN132MA4	127
266	253	1.3	5.4	5270	A352_5.4 S4 M4LA4	126	A352_5.4 P132 BN132MA4	127
275	245	2.2	5.2	6920	A412_5.2 S4 M4LA4	130	A412_5.2 P132 BN132MA4	131
315	214	2.5	9.2	6710	A412_9.2 S4 M4SB2	130	A412_9.2 P132 BN132SB2	131
348	194	2.6	8.3	6550	A412_8.3 S4 M4SB2	130	A412_8.3 P132 BN132SB2	131
413	163	2.3	7.0	4830	A352_7.0 S4 M4SB2	126	A352_7.0 P132 BN132SB2	127
536	126	2.7	5.4	4550	A352_5.4 S4 M4SB2	126	A352_5.4 P132 BN132SB2	127

9.2 kBT

5.1	15291	0.9	281.4	75000	A904_281.4 S4 M4LB4	152	A904_281.4 P132 BN132MB4	153
6.4	12302	1.1	226.4	75000	A904_226.4 S4 M4LB4	152	A904_226.4 P132 BN132MB4	153
6.9	11356	1.2	209.0	75000	A904_209.0 S4 M4LB4	152	A904_209.0 P132 BN132MB4	153
8.0	9778	1.4	180.0	75000	A904_180.0 S4 M4LB4	152	A904_180.0 P132 BN132MB4	153
8.4	9307	0.9	171.3	65000	A804_171.3 S4 M4LB4	149	A804_171.3 P132 BN132MB4	150
8.7	9026	1.6	166.1	75000	A904_166.1 S4 M4LB4	152	A904_166.1 P132 BN132MB4	153
9.2	8711	0.9	156.8	65000	A803_156.8 S4 M4LB4	149	A803_156.8 P132 BN132MB4	150
9.5	8389	1.6	151.0	75000	A903_151.0 S4 M4LB4	152	A903_151.0 P132 BN132MB4	153
9.9	8040	1.0	144.7	65000	A803_144.7 S4 M4LB4	149	A803_144.7 P132 BN132MB4	150
10.3	7744	1.6	139.4	75000	A903_139.4 S4 M4LB4	152	A903_139.4 P132 BN132MB4	153
11.4	7035	1.9	126.6	75000	A903_126.6 S4 M4LB4	152	A903_126.6 P132 BN132MB4	153
11.5	6978	1.1	125.6	65000	A803_125.6 S4 M4LB4	149	A803_125.6 P132 BN132MB4	150
12.3	6494	2.2	116.9	75000	A903_116.9 S4 M4LB4	152	A903_116.9 P132 BN132MB4	153
12.4	6442	1.2	116.0	65000	A803_116.0 S4 M4LB4	149	A803_116.0 P132 BN132MB4	150
13.5	5934	2.4	106.8	75000	A903_106.8 S4 M4LB4	152	A903_106.8 P132 BN132MB4	153
13.8	5779	1.4	104.0	65000	A803_104.0 S4 M4LB4	149	A803_104.0 P132 BN132MB4	150
14.6	5478	2.6	96.6	75000	A903_96.6 S4 M4LB4	152	A903_96.6 P132 BN132MB4	153
15.0	5345	0.9	96.2	50000	A703_96.2 S4 M4LB4	146	A703_96.2 P132 BN132MB4	147
15.0	5335	1.5	96.0	65000	A803_96.0 S4 M4LB4	149	A803_96.0 P132 BN132MB4	150
16.1	4954	1.6	89.2	65000	A803_89.2 S4 M4LB4	149	A803_89.2 P132 BN132MB4	150
16.5	4837	2.9	87.1	75000	A903_87.1 S4 M4LB4	152	A903_87.1 P132 BN132MB4	153
16.8	4774	1.0	85.9	50000	A703_85.9 S4 M4LB4	146	A703_85.9 P132 BN132MB4	147






9.2 kBT

n_2 MMH ⁻¹	M_2 Hz	S	I	R_{20} H				
17.5	4573	1.7	82.3	65000	A803_82.3 S4 M4LB4	149	A803_82.3 P132 BN132MB4	150
17.9	4465	3.1	80.4	75000	A903_80.4 S4 M4LB4	152	A903_80.4 P132 BN132MB4	153
18.2	4407	1.1	79.3	50000	A703_79.3 S4 M4LB4	146	A703_79.3 P132 BN132MB4	147
19.3	4137	3.4	74.5	75000	A903_74.5 S4 M4LB4	152	A903_74.5 P132 BN132MB4	153
19.9	4029	1.2	72.5	50000	A703_72.5 S4 M4LB4	146	A703_72.5 P132 BN132MB4	147
19.9	4020	2.0	72.4	65000	A803_72.4 S4 M4LB4	149	A803_72.4 P132 BN132MB4	150
21.5	3719	1.3	66.9	50000	A703_66.9 S4 M4LB4	146	A703_66.9 P132 BN132MB4	147
21.6	3711	2.2	66.8	63800	A803_66.8 S4 M4LB4	149	A803_66.8 P132 BN132MB4	150
24.1	3321	2.4	59.8	62400	A803_59.8 S4 M4LB4	149	A803_59.8 P132 BN132MB4	150
25.0	3204	1.6	57.7	50000	A703_57.7 S4 M4LB4	146	A703_57.7 P132 BN132MB4	147
25.9	3080	0.9	55.6	30000	A603_55.6 S4 M4LB4	142	A603_55.6 P132 BN132MB4	143
26.1	3065	2.6	55.2	61300	A803_55.2 S4 M4LB4	149	A803_55.2 P132 BN132MB4	150
27.1	2957	1.7	53.2	50000	A703_53.2 S4 M4LB4	146	A703_53.2 P132 BN132MB4	147
28.1	2851	1.0	51.3	30000	A603_51.3 S4 M4LB4	142	A603_51.3 P132 BN132MB4	143
29.4	2722	1.8	49.0	50000	A703_49.0 S4 M4LB4	146	A703_49.0 P132 BN132MB4	147
29.9	2677	3.0	48.2	59500	A803_48.2 S4 M4LB4	149	A803_48.2 P132 BN132MB4	150
32	2513	1.9	45.2	50000	A703_45.2 S4 M4LB4	146	A703_45.2 P132 BN132MB4	147
32	2510	1.1	45.2	30000	A603_45.2 S4 M4LB4	142	A603_45.2 P132 BN132MB4	143
32	2471	3.0	44.5	58400	A803_44.5 S4 M4LB4	149	A803_44.5 P132 BN132MB4	150
35	2317	1.2	41.7	30000	A603_41.7 S4 M4LB4	142	A603_41.7 P132 BN132MB4	143
38	2132	2.3	38.4	50000	A703_38.4 S4 M4LB4	146	A703_38.4 P132 BN132MB4	147
41	1968	2.3	35.4	50000	A703_35.4 S4 M4LB4	146	A703_35.4 P132 BN132MB4	147
42	1905	1.5	34.3	30000	A603_34.3 S4 M4LB4	142	A603_34.3 P132 BN132MB4	143
45	1759	1.6	31.7	30000	A603_31.7 S4 M4LB4	142	A603_31.7 P132 BN132MB4	143
48	1663	1.2	29.9	29100	A553_29.9 S4 M4LB4	138	A553_29.9 P132 BN132MB4	139
52	1547	1.8	27.9	30000	A603_27.9 S4 M4LB4	142	A603_27.9 P132 BN132MB4	143
54	1469	1.0	26.4	9130	A503_26.4 S4 M4LB4	134	A503_26.4 P132 BN132MB4	135
56	1428	2.0	25.7	30000	A603_25.7 S4 M4LB4	142	A603_25.7 P132 BN132MB4	143
60	1336	1.1	24.0	9370	A503_24.0 S4 M4LB4	134	A503_24.0 P132 BN132MB4	135
61	1322	1.5	23.8	27900	A553_23.8 S4 M4LB4	138	A553_23.8 P132 BN132MB4	139
68	1183	3.4	21.3	49000	A703_21.3 S4 M4LB4	146	A703_21.3 P132 BN132MB4	147
69	1200	1.0	20.9	13000	A502_20.9 S4 M4LB4	134	A502_20.9 P132 BN132MB4	135
70	1182	1.7	20.6	30000	A602_20.6 S4 M4LB4	142	A602_20.6 P132 BN132MB4	143
73	1092	3.4	19.7	45100	A703_19.7 S4 M4LB4	146	A703_19.7 P132 BN132MB4	147
75	1104	1.6	19.2	28400	A552_19.2 S4 M4LB4	138	A552_19.2 P132 BN132MB4	139
86	980	2.1	16.7	30000	A602_16.7 S4 M4LB4	142	A602_16.7 P132 BN132MB4	143
87	951	1.3	16.6	12500	A502_16.6 S4 M4LB4	134	A502_16.6 P132 BN132MB4	135
92	900	2.0	15.7	27000	A552_15.7 S4 M4LB4	138	A552_15.7 P132 BN132MB4	139
110	752	1.5	13.1	11900	A502_13.1 S4 M4LB4	134	A502_13.1 P132 BN132MB4	135
110	750	2.4	13.1	25800	A552_13.1 S4 M4LB4	138	A552_13.1 P132 BN132MB4	139
113	729	2.7	12.7	30000	A602_12.7 S4 M4LB4	142	A602_12.7 P132 BN132MB4	143
123	650	2.5	23.8	24100	A553_23.8 S4 M4LB4	138	A553_23.8 P132 BN132MB4	139
139	594	3.0	10.4	24200	A552_10.4 S4 M4LB4	138	A552_10.4 P132 BN132MB4	139
140	592	3.4	10.3	30000	A602_10.3 S4 M4LB4	142	A602_10.3 P132 BN132MB4	143
142	581	0.9	10.1	7340	A412_10.1 S4 M4LB4	130	A412_10.1 P132 BN132MB4	131
148	559	1.8	9.7	11200	A502_9.7 S4 M4LB4	134	A502_9.7 P132 BN132MB4	135
157	528	1.0	9.2	7250	A412_9.2 S4 M4LB4	130	A412_9.2 P132 BN132MB4	131
173	478	1.2	8.3	7170	A412_8.3 S4 M4LB4	130	A412_8.3 P132 BN132MB4	131
186	444	2.1	7.7	10600	A502_7.7 S4 M4LB4	134	A502_7.7 P132 BN132MB4	135
202	409	1.3	7.1	7020	A412_7.1 S4 M4LB4	130	A412_7.1 P132 BN132MB4	131
205	403	0.9	7.0	5110	A352_7.0 S4 M4LB4	126	A352_7.0 P132 BN132MB4	127
225	368	1.0	6.4	5070	A352_6.4 S4 M4LB4	126	A352_6.4 P132 BN132MB4	127



9.2 kBT





n_2 MMH ⁻¹	M_2 Hz	S	I	R_{20} H			IEC	
	311	1.1	5.4	4980	A352_5.4 S4 M4LB4	126	A352_5.4 P132 BN132MB4	127
275	301	1.8	5.2	6660	A412_5.2 S4 M4LB4	130	A412_5.2 P132 BN132MB4	131
319	259	2.0	9.2	6480	A412_9.2 S4 M4LA2	130	A412_9.2 P132 BN132M2	131
379	216	3.4	7.7	8780	A502_7.7 S4 M4LA2	134	A502_7.7 P132 BN132M2	135
541	153	2.2	5.4	4410	A352_5.4 S4 M4LA2	126	A352_5.4 P132 BN132M2	127
559	148	3.0	5.2	5690	A412_5.2 S4 M4LA2	130	A412_5.2 P132 BN132M2	131

11 kBT

6.4	14709	1.0	226.4	75000	A904_226.4 S4 M4LC4	152	A904_226.4 P160 BN160MR4	153
6.9	13577	1.0	209.0	75000	A904_209.0 S4 M4LC4	152	A904_209.0 P160 BN160MR4	153
8.0	11691	1.2	180.0	75000	A904_180.0 S4 M4LC4	152	A904_180.0 P160 BN160MR4	153
8.7	10792	1.3	166.1	75000	A904_166.1 S4 M4LC4	152	A904_166.1 P160 BN160MR4	153
9.5	10030	1.4	151.0	75000	A903_151.0 S4 M4LC4	152	A903_151.0 P160 BN160MR4	153
10.3	9259	1.4	139.4	75000	A903_139.4 S4 M4LC4	152	A903_139.4 P160 BN160MR4	153
11.4	8412	1.6	126.6	75000	A903_126.6 S4 M4LC4	152	A903_126.6 P160 BN160MR4	153
11.5	8344	1.0	125.6	65000	A803_125.6 S4 M4LC4	149	A803_125.6 P160 BN160MR4	150
12.3	7765	1.8	116.9	75000	A903_116.9 S4 M4LC4	152	A903_116.9 P160 BN160MR4	153
12.4	7702	1.0	116.0	65000	A803_116.0 S4 M4LC4	149	A803_116.0 P160 BN160MR4	150
13.5	7095	2.0	106.8	75000	A903_106.8 S4 M4LC4	152	A903_106.8 P160 BN160MR4	153
13.8	6910	1.2	104.0	65000	A803_104.0 S4 M4LC4	149	A803_104.0 P160 BN160MR4	150
14.6	6549	2.1	98.6	75000	A903_98.6 S4 M4LC4	152	A903_98.6 P160 BN160MR4	153
15.0	6378	1.3	96.0	65000	A803_96.0 S4 M4LC4	149	A803_96.0 P160 BN160MR4	150
16.1	5923	1.4	89.2	65000	A803_89.2 S4 M4LC4	149	A803_89.2 P160 BN160MR4	150
16.5	5783	2.4	87.1	75000	A903_87.1 S4 M4LC4	152	A903_87.1 P160 BN160MR4	153
17.5	5468	1.5	82.3	64500	A803_82.3 S4 M4LC4	149	A803_82.3 P160 BN160MR4	150
17.9	5338	2.6	80.4	75000	A903_80.4 S4 M4LC4	152	A903_80.4 P160 BN160MR4	153
18.2	5269	0.9	79.3	50000	A703_79.3 S4 M4LC4	146	A703_79.3 P160 BN160MR4	147
19.3	4947	2.8	74.5	75000	A903_74.5 S4 M4LC4	152	A903_74.5 P160 BN160MR4	153
19.9	4817	1.0	72.5	50000	A703_72.5 S4 M4LC4	146	A703_72.5 P160 BN160MR4	147
19.9	4807	1.7	72.4	63200	A803_72.4 S4 M4LC4	149	A803_72.4 P160 BN160MR4	150
20.9	4566	3.1	68.8	75000	A903_68.8 S4 M4LC4	152	A903_68.8 P160 BN160MR4	153
21.5	4446	1.1	66.9	50000	A703_66.9 S4 M4LC4	146	A703_66.9 P160 BN160MR4	147
21.6	4437	1.8	66.8	62200	A803_66.8 S4 M4LC4	149	A803_66.8 P160 BN160MR4	150
24.1	3971	2.0	59.8	60900	A803_59.8 S4 M4LC4	149	A803_59.8 P160 BN160MR4	150
24.2	3960	3.5	59.6	75000	A903_59.6 S4 M4LC4	152	A903_59.6 P160 BN160MR4	153
25.0	3830	1.3	57.7	50000	A703_57.7 S4 M4LC4	146	A703_57.7 P160 BN160MR4	147
26.1	3665	2.2	55.2	59800	A803_55.2 S4 M4LC4	149	A803_55.2 P160 BN160MR4	150
27.1	3536	1.4	53.2	50000	A703_53.2 S4 M4LC4	146	A703_53.2 P160 BN160MR4	147
29.4	3255	1.5	49.0	50000	A703_49.0 S4 M4LC4	146	A703_49.0 P160 BN160MR4	147
29.9	3200	2.5	48.2	58300	A803_48.2 S4 M4LC4	149	A803_48.2 P160 BN160MR4	150
32	3004	1.6	45.2	50000	A703_45.2 S4 M4LC4	146	A703_45.2 P160 BN160MR4	147
32	3001	0.9	45.2	30000	A603_45.2 S4 M4LC4	142	A603_45.2 P160 BN160MR4	143
32	2954	2.5	44.5	57300	A803_44.5 S4 M4LC4	149	A803_44.5 P160 BN160MR4	150
35	2771	1.0	41.7	30000	A603_41.7 S4 M4LC4	142	A603_41.7 P160 BN160MR4	143
37	2557	3.0	38.5	55500			A803_38.5 P160 BN160MR4	150
38	2549	1.9	38.4	50000	A703_38.4 S4 M4LC4	146	A703_38.4 P160 BN160MR4	147
41	2360	3.0	35.5	54500			A803_35.5 P160 BN160MR4	150
41	2353	1.9	35.4	50000	A703_35.4 S4 M4LC4	146	A703_35.4 P160 BN160MR4	147



11 kBT




n_2 MMH ⁻¹	M_2 Hz	S	I	R_{20} H				
42	2278	1.2	34.3	30000	A603_34.3 S4 M4LC4	142	A603_34.3 P160 BN160MR4	143
45	2103	1.3	31.7	30000	A603_31.7 S4 M4LC4	142	A603_31.7 P160 BN160MR4	143
47	2031	3.2	30.6	52600			A803_30.6 P160 BN160MR4	150
48	1999	2.3	30.1	49400			A703_30.1 P160 BN160MR4	147
51	1875	3.5	28.2	51600			A803_28.2 P160 BN160MR4	150
52	1850	1.5	27.9	30000	A603_27.9 S4 M4LC4	142	A603_27.9 P160 BN160MR4	143
52	1845	2.3	27.8	48500			A703_27.8 P160 BN160MR4	147
56	1708	1.6	25.7	30000	A603_25.7 S4 M4LC4	142	A603_25.7 P160 BN160MR4	143
60	1597	0.9	24.0	7800	A503_24.0 S4 M4LC4	134	A503_24.0 P160 BN160MR4	135
61	1562	2.8	23.5	46600			A703_23.5 P160 BN160MR4	147
68	1415	2.8	21.3	45500	A703_21.3 S4 M4LC4	146	A703_21.3 P160 BN160MR4	147
70	1413	1.4	20.6	30000	A602_20.6 S4 M4LC4	142	A602_20.6 P160 BN160MR4	143
73	1306	2.8	19.7	44500	A703_19.7 S4 M4LC4	146	A703_19.7 P160 BN160MR4	147
75	1319	1.4	19.2	27900	A552_19.2 S4 M4LC4	138	A552_19.2 P160 BN160MR4	139
86	1148	1.7	16.7	30000	A602_16.7 S4 M4LC4	142	A602_16.7 P160 BN160MR4	143
87	1137	1.1	16.6	12000	A502_16.6 S4 M4LC4	134	A502_16.6 P160 BN160MR4	135
92	1076	1.7	15.7	26600	A552_15.7 S4 M4LC4	138	A552_15.7 P160 BN160MR4	139
110	899	1.2	13.1	11500	A502_13.1 S4 M4LC4	134	A502_13.1 P160 BN160MR4	135
110	897	2.0	13.1	25400	A552_13.1 S4 M4LC4	138	A552_13.1 P160 BN160MR4	139
113	872	2.3	12.7	30000	A602_12.7 S4 M4LC4	142	A602_12.7 P160 BN160MR4	143
123	779	2.1	23.8	23600	A553_23.8 S4 M4LC2	138	A553_23.8 P160 BN160MR2	139
139	710	2.5	10.4	24000	A552_10.4 S4 M4LC4	138	A552_10.4 P160 BN160MR4	139
140	708	2.8	10.3	30000	A602_10.3 S4 M4LC4	142	A602_10.3 P160 BN160MR4	143
148	668	1.5	9.7	10800	A502_9.7 S4 M4LC4	134	A502_9.7 P160 BN160MR4	135
170	581	3.1	8.5	22800	A552_8.5 S4 M4LC4	138	A552_8.5 P160 BN160MR4	139
186	531	1.8	7.7	10300	A502_7.7 S4 M4LC4	134	A502_7.7 P160 BN160MR4	135
202	489	1.1	7.1	6640	A412_7.1 S4 M4LC4	130		
223	443	2.0	13.1	9920	A502_13.1 S4 M4LC2	134	A502_13.1 P160 BN160MR2	135
248	399	1.0	11.8	4690	A352_11.8 S4 M4LC2	126		
275	360	1.1	10.6	4660	A352_10.6 S4 M4LC2	126		
317	311	1.7	9.2	6230	A412_9.2 S4 M4LC2	130		
377	262	2.8	7.7	8650	A502_7.7 S4 M4LC2	134	A502_7.7 P160 BN160MR2	135
416	238	1.6	7.0	4440	A352_7.0 S4 M4LC2	126		
456	217	1.6	6.4	4380	A352_6.4 S4 M4LC2	126		
539	183	1.9	5.4	4250	A352_5.4 S4 M4LC2	126		

15 kBT

8.1	15724	0.9	180.0	75000			A904_180.0 P160 BN160L4	153
8.8	14514	1.0	166.1	75000			A904_166.1 P160 BN160L4	153
9.7	13490	1.0	151.0	75000	A903_151.0 S5 M5SB4	152	A903_151.0 P160 BN160L4	153
10.5	12452	1.0	139.4	75000	A903_139.4 S5 M5SB4	152	A903_139.4 P160 BN160L4	153
11.5	11314	1.2	126.6	75000	A903_126.6 S5 M5SB4	152	A903_126.6 P160 BN160L4	153
12.5	10443	1.3	116.9	75000	A903_116.9 S5 M5SB4	152	A903_116.9 P160 BN160L4	153
13.7	9543	1.5	106.8	75000	A903_106.8 S5 M5SB4	152	A903_106.8 P160 BN160L4	153
14.8	8808	1.6	98.6	75000	A903_98.6 S5 M5SB4	152	A903_98.6 P160 BN160L4	153
15.2	8578	0.9	96.0	60600	A803_96.0 S5 M5SB4	149	A803_96.0 P160 BN160L4	147
16.4	7967	1.0	89.2	60400	A803_89.2 S5 M5SB4	149	A803_89.2 P160 BN160L4	147
16.8	7776	1.8	87.1	75000	A903_87.1 S5 M5SB4	152	A903_87.1 P160 BN160L4	153
17.7	7354	1.1	82.3	59800	A803_82.3 S5 M5SB4	149	A803_82.3 P160 BN160L4	147








15 kBT

n_2 MMH ⁻¹	M_2 Hz	S	I	R_{20} H				
18.2	7180	1.9	80.4	75000	A903_80.4 S5 M5SB4	152	A903_80.4 P160 BN160L4	153
19.6	6654	2.1	74.5	75000	A903_74.5 S5 M5SB4	152	A903_74.5 P160 BN160L4	153
20.2	6465	1.2	72.4	59100	A803_72.4 S5 M5SB4	149	A803_72.4 P160 BN160L4	147
21.2	6142	2.3	68.8	75000	A903_68.8 S5 M5SB4	152	A903_68.8 P160 BN160L4	153
21.9	5968	1.3	66.8	58300	A803_66.8 S5 M5SB4	149	A803_66.8 P160 BN160L4	147
24.4	5340	1.5	59.8	57500	A803_59.8 S5 M5SB4	149	A803_59.8 P160 BN160L4	147
24.5	5326	2.6	59.6	75000	A903_59.6 S5 M5SB4	152	A903_59.6 P160 BN160L4	153
25.3	5152	1.0	57.7	50000	A703_57.7 S5 M5SB4	146	A703_57.7 P160 BN160L4	147
26.5	4930	1.6	55.2	56700	A803_55.2 S5 M5SB4	149	A803_55.2 P160 BN160L4	147
26.5	4916	2.8	55.0	75000	A903_55.0 S5 M5SB4	152	A903_55.0 P160 BN160L4	153
27.4	4755	1.1	53.2	50000	A703_53.2 S5 M5SB4	146	A703_53.2 P160 BN160L4	147
29.8	4377	1.1	49.0	50000	A703_49.0 S5 M5SB4	146	A703_49.0 P160 BN160L4	147
30.0	4315	3.2	48.3	74900	A903_48.3 S5 M5SB4	152	A903_48.3 P160 BN160L4	153
30.0	4304	1.9	48.2	55500	A803_48.2 S5 M5SB4	149	A803_48.2 P160 BN160L4	147
32	4041	1.2	45.2	50000	A703_45.2 S5 M5SB4	146	A703_45.2 P160 BN160L4	147
33	3983	3.5	44.6	73500	A903_44.6 S5 M5SB4	152	A903_44.6 P160 BN160L4	153
33	3973	1.9	44.5	54700	A803_44.5 S5 M5SB4	149	A803_44.5 P160 BN160L4	147
33	3439	2.2	38.5	53200	A803_38.5 S5 M5SB4	149	A803_38.5 P160 BN160L4	147
38	3429	1.4	38.4	49900	A703_38.4 S5 M5SB4	146	A703_38.4 P160 BN160L4	147
41	3175	2.2	35.5	52300	A803_35.5 S5 M5SB4	149	A803_35.5 P160 BN160L4	147
41	3165	1.4	35.4	49100	A703_35.4 S5 M5SB4	146	A703_35.4 P160 BN160L4	147
43	3064	0.9	34.3	30000	A603_34.3 S5 M5SB4	142	A603_34.3 P160 BN160L4	143
46	2828	1.0	31.7	30000	A603_31.7 S5 M5SB4	142	A603_31.7 P160 BN160L4	143
48	2731	2.4	30.6	50800	A803_30.6 S5 M5SB4	149	A803_30.6 P160 BN160L4	147
49	2689	1.7	30.1	47600	A703_30.1 S5 M5SB4	146	A703_30.1 P160 BN160L4	147
52	2521	2.6	28.2	49900	A803_28.2 S5 M5SB4	149	A803_28.2 P160 BN160L4	147
52	2488	1.1	27.9	30000	A603_27.9 S5 M5SB4	142	A603_27.9 P160 BN160L4	143
53	2482	1.7	27.8	46700	A703_27.8 S5 M5SB4	146	A703_27.8 P160 BN160L4	147
57	2297	1.2	25.7	30000	A603_25.7 S5 M5SB4	142	A603_25.7 P160 BN160L4	143
61	2125	0.9	23.8	25000	A553_23.8 S5 M5SB4	138	A553_23.8 P160 BN160L4	139
62	2101	2.0	23.5	45100	A703_23.5 S5 M5SB4	146	A703_23.5 P160 BN160L4	147
69	1903	2.1	21.3	44100	A703_21.3 S5 M5SB4	146	A703_21.3 P160 BN160L4	147
70	1871	3.5	20.9	46600	A803_20.9 S5 M5SB4	149	A803_20.9 P160 BN160L4	147
71	1900	1.1	20.6	30000	A602_20.6 S5 M5SB4	142	A602_20.6 P160 BN160L4	143
74	1757	2.1	19.7	43300	A703_19.7 S5 M5SB4	146	A703_19.7 P160 BN160L4	147
75	1728	3.5	19.3	45700	A803_19.3 S5 M5SB4	149	A803_19.3 P160 BN160L4	150
76	1775	1.0	19.2	26800	A552_19.2 S5 M5SB4	138	A552_19.2 P160 BN160L4	139
87	1544	1.3	16.7	30000	A602_16.7 S5 M5SB4	142	A602_16.7 P160 BN160L4	143
87	1491	2.7	16.7	41600	A703_16.7 S5 M5SB4	146	A703_16.7 P160 BN160L4	147
93	1447	1.2	15.7	25700	A552_15.7 S5 M5SB4	138	A552_15.7 P160 BN160L4	139
95	1376	2.7	15.4	40800	A703_15.4 S5 M5SB4	146	A703_15.4 P160 BN160L4	147
111	1209	0.9	13.1	10500	A502_13.1 P160 BN160L4	135	A502_13.1 P160 BN160L4	135
112	1207	1.5	13.1	24700	A552_13.1 S5 M5SB4	138	A552_13.1 P160 BN160L4	139
112	1169	3.3	13.1	39200	A703_13.1 S5 M5SB4	146	A703_13.1 P160 BN160L4	147
115	1172	1.7	12.7	30000	A602_12.7 S5 M5SB4	142	A602_12.7 P160 BN160L4	143
121	1079	3.3	12.1	38400	A703_12.1 S5 M5SB4	146	A703_12.1 P160 BN160L4	147
123	1059	1.5	23.8	22600	A553_23.8 S5 M5SB4	138	A553_23.8 P160 BN160L4	139
141	956	1.9	10.4	23400	A552_10.4 S5 M5SB4	138	A552_10.4 P160 BN160L4	139
142	952	2.1	10.3	30000	A602_10.3 S5 M5SB4	142	A602_10.3 P160 BN160L4	143
150	898	1.1	9.7	10100	A502_9.7 P160 BN160L4	135	A502_9.7 P160 BN160L4	135
173	781	2.3	8.5	22200	A552_8.5 S5 M5SB4	138	A552_8.5 P160 BN160L4	139
186	726	2.8	7.9	28300	A602_7.9 S5 M5SB4	142	A602_7.9 P160 BN160L4	143



15 κBT




n_2 MMH ⁻¹	M_2 Hz	S	I	R_{20} H			 IEC 	
189	714	1.3	7.7	9750			A502_7.7 P160 BN160L4	135
228	592	2.9	6.4	20700	A552_6.4 S5 M5SB4	138	A552_6.4 P160 BN160L4	139
295	456	3.5	4.9	19400	A552_4.9 S5 M5SB4	138	A552_4.9 P160 BN160L4	139
301	448	1.8	9.7	8830			A502_9.7 P160 BN160MB2	135
352	383	1.3	8.3	5630			A412_8.3 P160 BN160MB2	131
379	356	2.1	7.7	8350			A502_7.7 P160 BN160MB2	135

18.5 κBT

11.5	13954	0.9	126.6	75000	A903_126.6 S5 M5LA4	152	A903_126.6 P180 BN180M4	153
12.5	12880	1.1	116.9	75000	A903_116.9 S5 M5LA4	152	A903_116.9 P180 BN180M4	153
13.7	11769	1.2	106.8	75000	A903_106.8 S5 M5LA4	152	A903_106.8 P180 BN180M4	153
14.8	10864	1.3	98.6	75000	A903_98.6 S5 M5LA4	152	A903_98.6 P180 BN180M4	153
16.8	9593	1.5	87.1	75000	A903_87.1 S5 M5LA4	152	A903_87.1 P180 BN180M4	153
18.2	8855	1.6	80.4	75000	A903_80.4 S5 M5LA4	152	A903_80.4 P180 BN180M4	153
19.6	8206	1.7	74.5	75000	A903_74.5 S5 M5LA4	152	A903_74.5 P180 BN180M4	153
20.2	7973	1.0	72.4	55600	A803_72.4 S5 M5LA4	149	A803_72.4 P180 BN180M4	150
21.2	7575	1.8	68.8	75000	A903_68.8 S5 M5LA4	152	A903_68.8 P180 BN180M4	153
21.9	7360	1.1	66.8	55100			A803_66.8 P180 BN180M4	150
24.4	6586	1.2	59.8	54700	A803_59.8 S5 M5LA4	149	A803_59.8 P180 BN180M4	150
24.5	6568	2.1	59.6	75000	A903_59.6 S5 M5LA4	152	A903_59.6 P180 BN180M4	153
26.5	6080	1.3	55.2	54100	A803_55.2 S5 M5LA4	149	A803_55.2 P180 BN180M4	150
26.5	6063	2.3	55.0	74900	A903_55.0 S5 M5LA4	152	A903_55.0 P180 BN180M4	153
29.8	5399	0.9	49.0	49600	A703_49.0 S5 M5LA4	146	A703_49.0 P180 BN180M4	147
30.0	5322	2.6	48.3	73100			A903_48.3 P180 BN180M4	153
30.0	5309	1.5	48.2	53200	A803_48.2 S5 M5LA4	149	A803_48.2 P180 BN180M4	150
32	4983	1.0	45.2	49000	A703_45.2 S5 M5LA4	146	A703_45.2 P180 BN180M4	147
33	4912	2.9	44.6	71800	A903_44.6 S5 M5LA4	152	A903_44.6 P180 BN180M4	153
33	4900	1.5	44.5	52500	A803_44.5 S5 M5LA4	149	A803_44.5 P180 BN180M4	150
38	4276	3.3	38.8	69700			A903_38.8 P180 BN180M4	153
38	4242	1.8	38.5	51400			A803_38.5 P180 BN180M4	150
38	4229	1.1	38.4	48000	A703_38.4 S5 M5LA4	146	A703_38.4 P180 BN180M4	147
41	3947	3.5	35.8	68500			A903_35.8 P180 BN180M4	153
41	3916	1.8	35.5	50600			A803_35.5 P180 BN180M4	150
41	3904	1.2	35.4	47300	A703_35.4 S5 M5LA4	146	A703_35.4 P180 BN180M4	147
48	3369	1.9	30.6	49300			A803_30.6 P180 BN180M4	150
49	3316	1.4	30.1	46100			A703_30.1 P180 BN180M4	147
52	3110	2.1	28.2	48500			A803_28.2 P180 BN180M4	150
52	3069	0.9	27.9	30000	A603_27.9 S5 M5LA4	142	A603_27.9 P180 BN180M4	143
53	3061	1.4	27.8	45300			A703_27.8 P180 BN180M4	147
57	2833	1.0	25.7	30000	A603_25.7 S5 M5LA4	142	A603_25.7 P180 BN180M4	143
60	2699	2.5	24.5	47200			24.5 P180 BN180M4	150
62	2591	1.7	23.5	43900			A703_23.5 P180 BN180M4	147
65	2492	2.5	22.6	46300			A803_22.6 P180 BN180M4	150
69	2347	1.7	21.3	43000	A703_21.3 S5 M5LA4	146	A703_21.3 P180 BN180M4	147
70	2308	2.8	20.9	45600	A803_20.9 S5 M5LA4	149	A803_20.9 P180 BN180M4	150
74	2167	1.7	19.7	42300	A703_19.7 S5 M5LA4	146	A703_19.7 P180 BN180M4	147
75	2131	2.8	19.3	44800	A803_19.3 S5 M5LA4	149	A803_19.3 P180 BN180M4	150
87	1905	1.0	16.7	30000	A602_16.7 S5 M5LA4	142	A602_16.7 P180 BN180M4	143



18.5 кВТ





n_2 MMH ⁻¹	M_2 HM	S	I	R_{02} H				
87	1839	2.2	16.7	40800	A703_16.7 S5 M5LA4	146	A703_16.7 P180 BN180M4	147
93	1785	1.0	15.7	25000	A552_15.7 S5 M5LA4	138	A552_15.7 P180 BN180M4	139
96	1697	2.2	15.4	40100	A703_15.4 S5 M5LA4	146	A703_15.4 P180 BN180M4	147
112	1486	1.2	13.1	24100	A552_13.1 S5 M5LA4	138	A552_13.1 P180 BN180M4	139
112	1442	2.7	13.1	38600	A703_13.1 S5 M5LA4	146	A703_13.1 P180 BN180M4	147
115	1446	1.4	12.7	30000	A602_12.7 S5 M5LA4	142	A602_12.7 P180 BN180M4	143
121	1331	2.7	12.1	37800	A703_12.1 S5 M5LA4	146	A703_12.1 P180 BN180M4	147
123	1306	1.2	23.8	21600	A553_23.8 S5 M5SC2	138	A553_23.8 P160 BN160L2	139
141	1179	1.5	10.4	22900	A552_10.4 S5 M5LA4	138	A552_10.4 P180 BN180M4	139
142	1174	1.7	10.3	29900	A602_10.3 S5 M5LA4	142	A602_10.3 P180 BN180M4	143
143	1127	2.9	10.2	36300	A703_10.2 S5 M5LA4	146	A703_10.2 P180 BN180M4	147
150	1108	0.9	9.7	9530	A502_9.7 S5 M5LA4	134	A502_9.7 P180 BN180M4	135
155	1040	2.9	9.4	35600	A703_9.4 S5 M5LA4	146	A703_9.4 P180 BN180M4	147
173	963	1.9	8.5	21900	A552_8.5 S5 M5LA4	138	A552_8.5 P180 BN180M4	139
186	895	2.2	7.9	27900	A602_7.9 S5 M5LA4	142	A602_7.9 P180 BN180M4	143
189	881	1.1	7.7	9260			A502_7.7 P180 BN180M4	135
228	730	2.3	6.4	20400	A552_6.4 S5 M5LA4	138	A552_6.4 P180 BN180M4	139
295	563	2.8	4.9	19100	A552_4.9 S5 M5LA4	136	A552_4.9 P180 BN180M4	139
379	439	1.7	7.7	8100			A502_7.7 P160 BN160L2	135

22 кВТ

12.5	15317	0.9	116.9	75000		A903_116.9 P180 BN180L4	153
13.7	13996	1.0	106.8	75000		A903_106.8 P180 BN180L4	153
14.8	12919	1.1	98.6	75000		A903_98.6 P180 BN180L4	153
16.8	11408	1.2	87.1	75000		A903_87.1 P180 BN180L4	153
18.2	10530	1.3	80.4	75000		A903_80.4 P180 BN180L4	153
19.6	9758	1.4	74.5	75000		A903_74.5 P180 BN180L4	153
21.2	9008	1.6	68.8	75000		A903_68.8 P180 BN180L4	153
21.9	8753	0.9	66.8	51900		A803_66.8 P180 BN180L4	150
24.4	7832	1.0	59.8	51800		A803_59.8 P180 BN180L4	150
24.5	7811	1.8	59.6	73800		A903_59.6 P180 BN180L4	153
26.5	7230	1.1	55.2	51400		A803_55.2 P180 BN180L4	150
26.5	7210	1.9	55.0	72700		A903_55.0 P180 BN180L4	153
30.0	6328	2.2	48.3	71100		A903_48.3 P180 BN180L4	153
30.0	6313	1.3	48.2	50900		A803_48.2 P180 BN180L4	150
33	5842	2.4	44.6	70000		44.6 P180 BN180L4	153
33	5827	1.3	44.5	50300		A803_44.5 P180 BN180L4	150
38	5085	2.8	38.8	68100		A903_38.8 P180 BN180L4	153
38	5044	1.5	38.5	49500		A803_38.5 P180 BN180L4	150
38	5029	1.0	38.4	46000		A703_38.4 P180 BN180L4	147
41	4694	2.9	35.8	67000		A903_35.8 P180 BN180L4	153
41	4656	1.5	35.5	48900		A803_35.5 P180 BN180L4	150
41	4642	1.0	35.4	45500		A703_35.4 P180 BN180L4	147
46	4127	3.4	31.5	65200		A903_31.5 P180 BN180L4	153
48	4006	1.6	30.6	47800		A803_30.6 P180 BN180L4	150
49	3944	1.2	30.1	44500		A703_30.1 P180 BN180L4	147
50	3810	3.4	29.1	64000		A903_29.1 P180 BN180L4	153
52	3606	1.8	28.2	47100		A803_28.2 P180 BN180L4	150



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n_2 MMH ⁻¹	M_2 Hz	S	I	R_{20} H				
53	3640	1.2	27.8	43000			A703_27.8 P180 BN180L4	147
60	3210	2.1	24.5	45000			A803_24.5 P180 BN180L4	150
62	3082	1.4	23.5	42700			A703_23.5 P180 BN180L4	147
65	2963	2.1	22.6	45200			A803_22.6 P180 BN180L4	150
69	2791	1.4	21.3	41900			A703_21.3 P180 BN180L4	147
70	2745	2.4	20.9	44000			A803_20.9 P180 BN180L4	150
74	2577	1.4	19.7	41200			A703_19.7 P180 BN180L4	147
75	2534	2.4	19.3	43800			A803_19.3 P180 BN180L4	150
87	2193	3.0	16.7	42500			A803_16.7 P180 BN180L4	150
87	2187	1.8	16.7	39900			A703_16.7 P180 BN180L4	147
94	2024	3.0	15.5	41700			A803_15.5 P180 BN180L4	150
95	2018	1.8	15.4	39200			A703_15.4 P180 BN180L4	147
112	1770	1.0	13.1	23500			A552_13.1 P180 BN180L4	139
112	1715	2.2	13.1	37900			A703_13.1 P180 BN180L4	147
115	1719	1.2	12.7	30000			A602_12.7 P180 BN180L4	143
121	1583	2.2	12.1	37200			A703_12.1 P180 BN180L4	147
123	1553	1.0	23.8	20000	A553_23.8 S5 M5LA2	138	A553_23.8 P180 BN180M2	139
141	1401	1.3	10.4	22400			A552_10.4 P180 BN180L4	139
142	1396	1.4	10.3	29300			A602_10.3 P180 BN180L4	143
143	1340	2.4	10.2	35800			A703_10.2 P180 BN180L4	147
155	1237	2.4	9.4	35100			A703_9.4 P180 BN180L4	147
173	1145	1.6	8.5	21400			A552_8.5 P180 BN180L4	139
186	1064	1.9	7.9	27500			A602_7.9 P180 BN180L4	143
189	1047	0.9	7.7	8760			A502_7.7 P180 BN180L4	135
228	868	2.0	6.4	20100			A552_6.4 P180 BN180L4	139
283	698	2.6	10.4	19100	A552_10.4 S5 M5LA2	138	A552_10.4 P180 BN180M2	139
295	669	2.4	4.9	18900			A552_4.9 P180 BN180L4	139
346	571	3.0	8.5	18200	A552_8.5 S5 M5LA2	138	A552_8.5 P180 BN180M2	139
379	522	1.4	7.7	7860			A502_7.7 P180 BN180M2	135

30 κΒΤ

16.8	15556	0.9	87.1	70100			A903_87.1 P200 BN200L4	153
18.2	14360	1.0	80.4	70000			A903_80.4 P200 BN200L4	153
19.6	13307	1.1	74.5	69700			A903_74.5 P200 BN200L4	153
21.2	12283	1.1	68.8	69200			A903_68.8 P200 BN200L4	153
24.5	10651	1.3	59.6	68500			A903_59.6 P200 BN200L4	153
26.5	9832	1.4	55.0	67800			A903_55.0 P200 BN200L4	153
30.0	8630	1.6	48.3	66000			A903_48.3 P200 BN200L4	153
30.0	8609	0.9	48.2	45700			A803_48.2 P200 BN200L4	150
33	7966	1.8	44.6	68000			A903_44.6 P200 BN200L4	153
33	7946	0.9	44.5	45500			A803_44.5 P200 BN200L4	150
38	6934	2.0	38.8	64700			A903_38.8 P200 BN200L4	153
38	6879	1.1	38.5	45300			A803_38.5 P200 BN200L4	150
41	6400	2.1	35.8	63800			A903_35.8 P200 BN200L4	153
41	6349	1.1	35.5	45000			A803_35.5 P200 BN200L4	150
46	5628	2.5	31.5	62400			A903_31.5 P200 BN200L4	153
48	5463	1.2	30.6	44500			A803_30.6 P200 BN200L4	150
50	5195	2.5	29.1	61400			A903_29.1 P200 BN200L4	153



30 кВт

n_2 MMH ⁻¹	M_2 HM	S	I	R_{20} H				IEC	
52	5043	1.3	28.2	44000				A803_28.2 P200 BN200L4	150
60	4377	1.5	24.5	43300				A803_24.5 P200 BN200L4	150
61	4307	3.1	24.1	58200				A903_24.1 P200 BN200L4	153
62	4202	1.0	23.5	40100				A703_23.5 P200 BN200L4	147
65	4041	1.5	22.6	42700				A803_22.6 P200 BN200L4	150
66	3976	3.1	22.3	58200				A903_22.3 P200 BN200L4	153
70	3752	3.3	21.0	57500				A903_21.0 P200 BN200L4	153
70	3743	1.7	20.9	42300				A803_20.9 P200 BN200L4	150
75	3463	3.3	19.4	56500				A903_19.4 P200 BN200L4	153
75	3455	1.8	19.3	41700				A803_19.3 P200 BN200L4	150
87	2991	2.2	16.7	40700				A803_16.7 P200 BN200L4	150
87	2982	1.3	16.7	38100				A703_16.7 P200 BN200L4	147
94	2701	2.2	15.5	40000				A803_15.5 P200 BN200L4	150
95	2752	1.3	15.4	37500				A703_15.4 P200 BN200L4	147
110	2375	2.8	13.3	38900				A803_13.3 P200 BN200L4	150
112	2338	1.6	13.1	36400				A703_13.1 P200 BN200L4	147
119	2192	2.8	12.3	38200				A803_12.3 P200 BN200L4	150
121	2158	1.6	12.1	35800				A703_12.1 P200 BN200L4	147
125	2094	1.7	23.5	35600				A703_23.5 P200 BN200LA2	147
137	1903	3.4	10.7	37100				A803_10.7 P200 BN200L4	150
143	1827	1.8	10.2	34600				A703_10.2 P200 BN200L4	147
148	1757	3.4	9.8	36500				A803_9.8 P200 BN200L4	150
155	1687	1.8	9.4	34000				A703_9.4 P200 BN200L4	147
176	1486	2.3	16.7	33100				A703_16.7 P200 BN200LA2	147
190	1371	2.3	15.4	32500				A703_15.4 P200 BN200LA2	147
224	1165	2.7	13.1	31300				A703_13.1 P200 BN200LA2	147
243	1075	2.7	12.1	30600				A703_12.1 P200 BN200LA2	147
287	910	3.2	10.2	29400				A703_10.2 P200 BN200LA2	147
310	840	3.2	9.4	28800				A703_9.4 P200 BN200LA2	147

37 кВт

21.5	14945	0.9	68.8	63900				A903_68.8 P225 BN225S4	153
24.8	12959	1.1	59.6	63900				A903_59.6 P225 BN225S4	153
26.9	11962	1.2	55.0	63600				A903_55.0 P225 BN225S4	153
31	10499	1.3	48.3	63100				A903_48.3 P225 BN225S4	153
33	9692	1.4	44.6	62500				A903_44.6 P225 BN225S4	153
38	8436	1.7	38.8	61700				A903_38.8 P225 BN225S4	153
38	8369	0.9	38.5	41700				A803_38.5 P225 BN225S4	150
41	7787	1.8	35.8	61000				A903_35.8 P225 BN225S4	153
42	7725	0.9	35.5	41600				A803_35.5 P225 BN225S4	150
47	6847	2.0	31.5	59900				A903_31.5 P225 BN225S4	153
48	6647	1.0	30.6	41600				A803_30.6 P225 BN225S4	150
51	6321	2.1	29.1	59100				A903_29.1 P225 BN225S4	153
52	6135	1.1	28.2	41300				A803_28.2 P225 BN225S4	150
60	5326	1.3	24.5	40900				A803_24.5 P225 BN225S4	150
61	5241	2.5	24.1	57300				A903_24.1 P225 BN225S4	153
65	4916	1.3	22.6	40500				A803_22.6 P225 BN225S4	150
67	4837	2.5	22.3	56400				A903_22.3 P225 BN225S4	153



37 кВт





ν_0 ММН ⁻¹	M_0 Нм	S	I	R_{00} Н				IEC	
70	4565	2.7	21.0	59000				A903_ 21.0 P225 BN225S4	153
71	4554	1.4	20.9	40300				A803_ 20.9 P225 BN225S4	150
76	4214	2.7	19.4	54900				A903_ 19.4 P225 BN225S4	153
77	4204	1.4	19.3	39800				A803_ 19.3 P225 BN225S4	150
88	3668	3.2	16.9	53400				A903_ 16.9 P225 BN225S4	153
88	3639	1.8	16.7	39100				A803_ 16.7 P225 BN225S4	150
96	3386	3.2	15.6	52500				A903_ 15.6 P225 BN225S4	153
96	3359	1.8	15.5	38500				A803_ 15.5 P225 BN225S4	150
111	2890	2.3	13.3	37600				A803_ 13.3 P225 BN225S4	150
121	2667	2.3	12.3	37000				A803_ 12.3 P225 BN225S4	150
139	2316	2.8	10.7	36100				A803_ 10.7 P225 BN225S4	150
161	2137	2.8	9.8	35500				A803_ 9.8 P225 BN226S4	150

45 кВт

26.9	14549	1.0	55.0	58700				A903_ 55.0 P225 BN225M4	153
31	12769	1.1	48.3	58900				A903_ 48.3 P225 BN225M4	153
33	11787	1.2	44.6	58600				A903_ 44.6 P225 BN225M4	153
38	10260	1.4	38.8	58300				A903_ 38.8 P225 BN225M4	153
41	9471	1.5	35.8	57800				A903_ 35.8 P225 BN225M4	153
47	8328	1.7	31.5	57200				A903_ 31.5 P225 BN225M4	153
51	7687	1.7	29.1	56600				A903_ 29.1 P225 BN225M4	153
60	6477	1.0	24.5	38300				A803_ 24.5 P225 BN225M4	150
61	6374	2.1	24.1	55200				A903_ 24.1 P225 BN225M4	153
65	5979	1.0	22.6	38100				A803_ 22.6 P225 BN225M4	150
67	5883	2.1	22.3	54500				A903_ 22.3 P225 BN225M4	153
70	5552	2.2	21.0	54000				A903_ 21.0 P225 BN225M4	153
71	5539	1.2	20.9	38000				A803_ 20.9 P225 BN225M4	150
76	5125	2.3	19.4	53200				A903_ 19.4 P225 BN225M4	153
77	5112	1.2	19.3	37700				A803_ 19.3 P225 BN225M4	150
88	4461	2.7	16.9	52000				A903_ 16.9 P225 BN225M4	153
88	4425	1.5	16.7	37300				A803_ 16.7 P225 BN225M4	150
96	4118	2.7	15.6	51100				A903_ 15.6 P225 BN225M4	153
96	4085	1.5	15.5	36900				A803_ 15.5 P225 BN225M4	150
108	3621	3.1	13.7	49900				A903_ 13.7 P225 BN225M4	153
111	3515	1.9	13.3	36200				A803_ 13.3 P225 BN225M4	150
117	3342	3.1	12.6	49000				A803_ 12.6 P225 BN225M4	153
121	3244	1.9	12.3	35700				A803_ 12.3 P225 BN225M4	150
139	2816	2.3	10.7	34900				A803_ 10.7 P225 BN225M4	150
141	2771	3.5	10.5	47100				A903_ 10.5 P225 BN225M4	153
161	2600	2.3	9.8	34400				A803_ 9.8 P225 BN225M4	150
163	2558	3.5	9.7	46200				A903_ 9.7 P225 BN225M4	153



55 кВт

n_2 MIN ¹	M_2 Nm	S	I	R_{s2} H				
33	14406	1.0	44.6	53900			A903_ 44.6 P250 BN250M4	153
38	12540	1.1	38.8	54100			A903_ 38.8 P250 BN250M4	153
41	11575	1.2	35.8	54000			A903_ 35.8 P250 BN250M4	153
47	10179	1.4	31.5	53800			A903_ 31.5 P250 BN250M4	153
51	9396	1.4	29.1	53400			A903_ 29.1 P250 BN250M4	153
61	7790	1.7	24.1	52600			A903_ 24.1 P250 BN250M4	153
67	7191	1.7	22.3	52000			A903_ 22.3 P250 BN250M4	153
70	6786	1.8	21.0	51700			A903_ 21.0 P250 BN250M4	153
76	6264	1.8	19.4	51100			A903_ 19.4 P250 BN250M4	153
81	5790	1.7	24.1	52600			A903_ 24.1 P250 BN250M4	153
88	5452	2.2	16.9	50100			A903_ 16.9 P250 BN250M4	153
95	5033	2.2	15.6	49400			A903_ 15.6 P250 BN250M4	153
108	4425	2.5	13.7	48400			A903_ 13.7 P250 BN250M4	153
117	4085	2.6	12.6	47600			A903_ 12.6 P250 BN250M4	153
141	3387	2.9	10.5	45900			A903_ 10.5 P250 BN250M4	153
153	3126	2.9	9.7	45100			A903_ 9.7 P250 BN250M4	153