

Appendix G

Noise Measurement Data, HVAC Specifications, and Noise Modeling Results

Short-Term Noise Measurement 1 - Olive Avenue

Data Logger 2	
Duration (seconds)	3
Weighting	A
Response	SLOW
Range	40-100
L05	60.1
L10	59.1
L50	54.1
L90	50.6
L95	49.6
Lmax	67.2
Time	10/22/2001 10:19
SEL	80.6
Leq	56.2

No.s	Date Time	Time	dB	Sound Energy
1	10/22/2001	10:10	10:10 AM	53.2 626788.8393
2	10/22/2001	10:10	10:10 AM	57.2 1574422.381
3	10/22/2001	10:10	10:10 AM	53.2 626788.8393
4	10/22/2001	10:10	10:10 AM	59.5 2673752.814
5	10/22/2001	10:11	10:11 AM	56.4 1309547.497
6	10/22/2001	10:11	10:11 AM	54.1 771118.7348
7	10/22/2001	10:11	10:11 AM	57 1503561.701
8	10/22/2001	10:11	10:11 AM	52.6 545910.2576
9	10/22/2001	10:11	10:11 AM	57.9 1849785.006
10	10/22/2001	10:11	10:11 AM	57.8 1807678.758
11	10/22/2001	10:11	10:11 AM	51.2 395477.0216
12	10/22/2001	10:11	10:11 AM	56.6 1371264.569
13	10/22/2001	10:11	10:11 AM	55.7 1114605.687
14	10/22/2001	10:11	10:11 AM	52.3 509473.0957
15	10/22/2001	10:11	10:11 AM	51 377677.6235
16	10/22/2001	10:11	10:11 AM	54.1 771118.7348
17	10/22/2001	10:11	10:11 AM	55.1 970780.9708
18	10/22/2001	10:11	10:11 AM	53.4 656328.4872
19	10/22/2001	10:11	10:11 AM	57.1 1538584.152
20	10/22/2001	10:11	10:11 AM	51.5 423761.2634
21	10/22/2001	10:11	10:11 AM	48.8 227573.2725
22	10/22/2001	10:11	10:11 AM	50.4 328943.4588
23	10/22/2001	10:11	10:11 AM	48 189287.2033
24	10/22/2001	10:11	10:11 AM	53.1 612521.3834
25	10/22/2001	10:12	10:12 AM	50.4 328943.4588
26	10/22/2001	10:12	10:12 AM	51.8 454068.3745
27	10/22/2001	10:12	10:12 AM	54.9 927088.6298
28	10/22/2001	10:12	10:12 AM	56.2 1250608.15

29	10/22/2001 10:12	10:12 AM	60.9	3690806.312
30	10/22/2001 10:12	10:12 AM	57.9	1849785.006
31	10/22/2001 10:12	10:12 AM	61	3776776.235
32	10/22/2001 10:12	10:12 AM	59.8	2864977.758
33	10/22/2001 10:12	10:12 AM	55.6	1089234.164
34	10/22/2001 10:12	10:12 AM	54.9	927088.6298
35	10/22/2001 10:12	10:12 AM	52.1	486543.0292
36	10/22/2001 10:12	10:12 AM	56.4	1309547.497
37	10/22/2001 10:12	10:12 AM	53.2	626788.8393
38	10/22/2001 10:12	10:12 AM	54.1	771118.7348
39	10/22/2001 10:12	10:12 AM	55.6	1089234.164
40	10/22/2001 10:12	10:12 AM	56.7	1403205.424
41	10/22/2001 10:12	10:12 AM	56.9	1469336.458
42	10/22/2001 10:12	10:12 AM	56.6	1371264.569
43	10/22/2001 10:12	10:12 AM	54.5	845514.8794
44	10/22/2001 10:12	10:12 AM	54.3	807460.4412
45	10/22/2001 10:13	10:13 AM	56.5	1340050.776
46	10/22/2001 10:13	10:13 AM	51.9	464644.9857
47	10/22/2001 10:13	10:13 AM	51.9	464644.9857
48	10/22/2001 10:13	10:13 AM	53.2	626788.8393
49	10/22/2001 10:13	10:13 AM	53.1	612521.3834
50	10/22/2001 10:13	10:13 AM	54.6	865209.4509
51	10/22/2001 10:13	10:13 AM	54.2	789080.3976
52	10/22/2001 10:13	10:13 AM	52.5	533483.823
53	10/22/2001 10:13	10:13 AM	50.6	344446.0864
54	10/22/2001 10:13	10:13 AM	47.4	164862.2622
55	10/22/2001 10:13	10:13 AM	49.2	249529.1313
56	10/22/2001 10:13	10:13 AM	48.5	212383.7353
57	10/22/2001 10:13	10:13 AM	46.6	137126.4569
58	10/22/2001 10:13	10:13 AM	47.9	184978.5006
59	10/22/2001 10:13	10:13 AM	52.5	533483.823
60	10/22/2001 10:13	10:13 AM	51.7	443732.5165
61	10/22/2001 10:13	10:13 AM	50.1	306987.8977
62	10/22/2001 10:13	10:13 AM	56.1	1222140.833
63	10/22/2001 10:13	10:13 AM	53.2	626788.8393
64	10/22/2001 10:13	10:13 AM	53.3	641388.6269
65	10/22/2001 10:14	10:14 AM	51.5	423761.2634
66	10/22/2001 10:14	10:14 AM	51.3	404688.8648
67	10/22/2001 10:14	10:14 AM	54.4	826268.611
68	10/22/2001 10:14	10:14 AM	56.1	1222140.833
69	10/22/2001 10:14	10:14 AM	55.3	1016532.468
70	10/22/2001 10:14	10:14 AM	57.2	1574422.381
71	10/22/2001 10:14	10:14 AM	55.1	970780.9708
72	10/22/2001 10:14	10:14 AM	54.7	885362.768
73	10/22/2001 10:14	10:14 AM	54	753565.9295
74	10/22/2001 10:14	10:14 AM	51.9	464644.9857
75	10/22/2001 10:14	10:14 AM	54.3	807460.4412

76	10/22/2001 10:14	10:14 AM	50.1	306987.8977
77	10/22/2001 10:14	10:14 AM	55.1	970780.9708
78	10/22/2001 10:14	10:14 AM	54.7	885362.768
79	10/22/2001 10:14	10:14 AM	54.5	845514.8794
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82	10/22/2001 10:14	10:14 AM	51	377677.6235
83	10/22/2001 10:14	10:14 AM	56.8	1435890.277
84	10/22/2001 10:14	10:14 AM	56	1194321.512
85	10/22/2001 10:15	10:15 AM	52	475467.9577
86	10/22/2001 10:15	10:15 AM	55.6	1089234.164
87	10/22/2001 10:15	10:15 AM	49.7	279976.2902
88	10/22/2001 10:15	10:15 AM	50.1	306987.8977
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90	10/22/2001 10:15	10:15 AM	49.9	293171.1663
91	10/22/2001 10:15	10:15 AM	53.5	671616.3416
92	10/22/2001 10:15	10:15 AM	52.4	521340.2486
93	10/22/2001 10:15	10:15 AM	49.5	267375.2814
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99	10/22/2001 10:15	10:15 AM	58.5	2123837.353
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107	10/22/2001 10:16	10:16 AM	52	475467.9577
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111	10/22/2001 10:16	10:16 AM	51	377677.6235
112	10/22/2001 10:16	10:16 AM	49.5	267375.2814
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114	10/22/2001 10:16	10:16 AM	50.5	336605.5363
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125	10/22/2001 10:17	10:17 AM	52.6	545910.2576
126	10/22/2001 10:17	10:17 AM	61.1	3864748.655
127	10/22/2001 10:17	10:17 AM	57.7	1766530.966
128	10/22/2001 10:17	10:17 AM	54.7	885362.768
129	10/22/2001 10:17	10:17 AM	53.5	671616.3416
130	10/22/2001 10:17	10:17 AM	58.8	2275732.725
131	10/22/2001 10:17	10:17 AM	59.4	2612890.77
132	10/22/2001 10:17	10:17 AM	54.6	865209.4509
133	10/22/2001 10:17	10:17 AM	54	753565.9295
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136	10/22/2001 10:17	10:17 AM	60.1	3069878.977
137	10/22/2001 10:17	10:17 AM	54.5	845514.8794
138	10/22/2001 10:17	10:17 AM	54.1	771118.7348
139	10/22/2001 10:17	10:17 AM	52.3	509473.0957
140	10/22/2001 10:17	10:17 AM	57.7	1766530.966
141	10/22/2001 10:17	10:17 AM	54.9	927088.6298
142	10/22/2001 10:17	10:17 AM	58	1892872.033
143	10/22/2001 10:17	10:17 AM	57.2	1574422.381
144	10/22/2001 10:17	10:17 AM	52.3	509473.0957
145	10/22/2001 10:18	10:18 AM	59.8	2864977.758
146	10/22/2001 10:18	10:18 AM	53.6	687260.2958
147	10/22/2001 10:18	10:18 AM	58.8	2275732.725
148	10/22/2001 10:18	10:18 AM	51.8	454068.3745
149	10/22/2001 10:18	10:18 AM	56.2	1250608.15
150	10/22/2001 10:18	10:18 AM	59	2382984.704
151	10/22/2001 10:18	10:18 AM	53.4	656328.4872
152	10/22/2001 10:18	10:18 AM	53.7	703268.6446
153	10/22/2001 10:18	10:18 AM	51.8	454068.3745
154	10/22/2001 10:18	10:18 AM	60.5	3366055.363
155	10/22/2001 10:18	10:18 AM	54.4	826268.611
156	10/22/2001 10:18	10:18 AM	50.7	352469.2665
157	10/22/2001 10:18	10:18 AM	51.9	464644.9857
158	10/22/2001 10:18	10:18 AM	59.5	2673752.814
159	10/22/2001 10:18	10:18 AM	56.3	1279738.556
160	10/22/2001 10:18	10:18 AM	57.4	1648622.622
161	10/22/2001 10:18	10:18 AM	53.3	641388.6269
162	10/22/2001 10:18	10:18 AM	58.4	2075492.913
163	10/22/2001 10:18	10:18 AM	55.3	1016532.468
164	10/22/2001 10:18	10:18 AM	55.9	1167135.435
165	10/22/2001 10:19	10:19 AM	58.6	2173307.88
166	10/22/2001 10:19	10:19 AM	52.2	497876.0722
167	10/22/2001 10:19	10:19 AM	57	1503561.701
168	10/22/2001 10:19	10:19 AM	54.8	905985.5161
169	10/22/2001 10:19	10:19 AM	52.5	533483.823

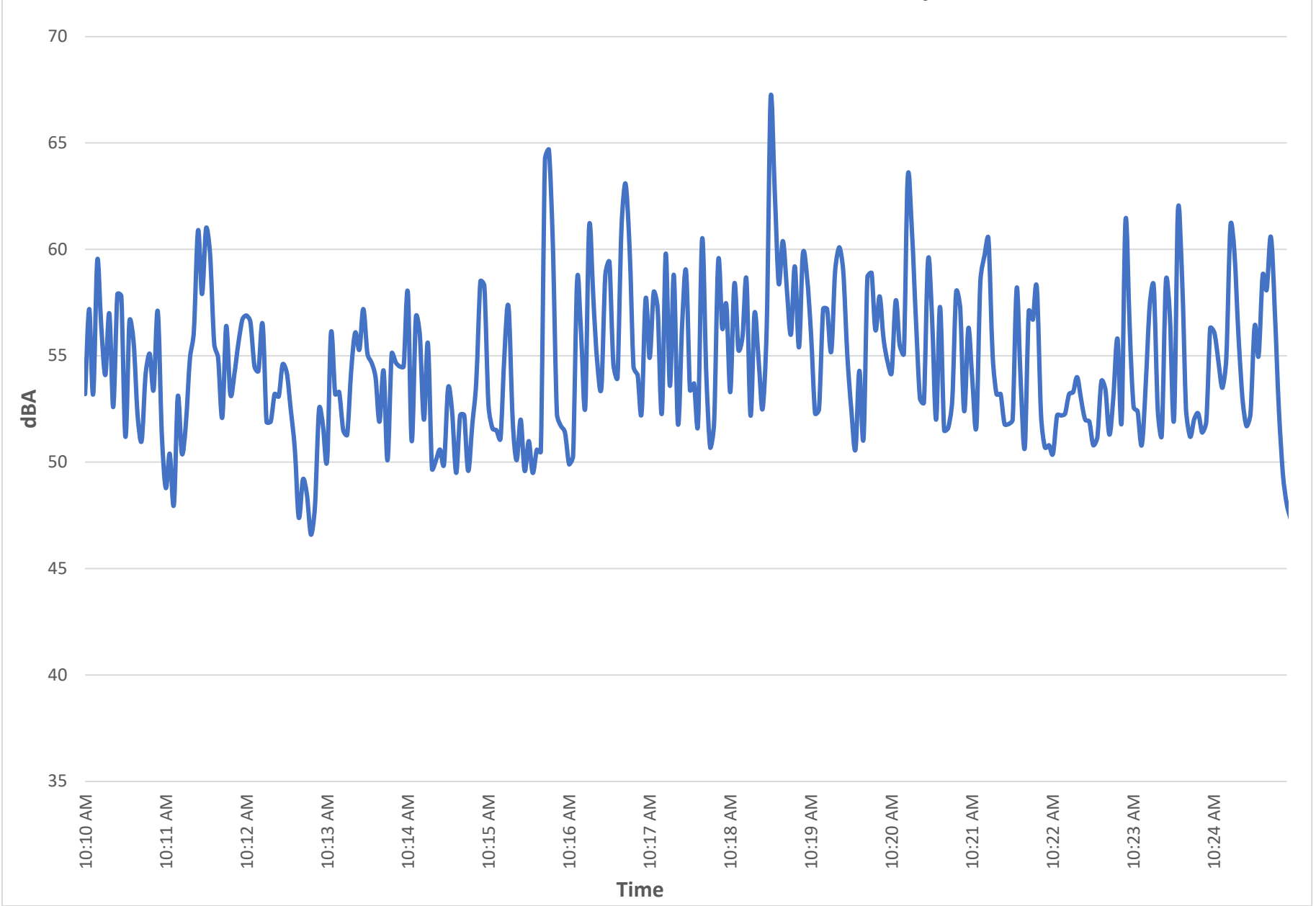
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174	10/22/2001 10:19	10:19 AM	60.4	3289434.588
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176	10/22/2001 10:19	10:19 AM	56	1194321.512
177	10/22/2001 10:19	10:19 AM	59.2	2495291.313
178	10/22/2001 10:19	10:19 AM	55.4	1040210.551
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180	10/22/2001 10:19	10:19 AM	58.7	2223930.724
181	10/22/2001 10:19	10:19 AM	56.1	1222140.833
182	10/22/2001 10:19	10:19 AM	52.3	509473.0957
183	10/22/2001 10:19	10:19 AM	52.5	533483.823
184	10/22/2001 10:19	10:19 AM	57.2	1574422.381
185	10/22/2001 10:20	10:20 AM	57.2	1574422.381
186	10/22/2001 10:20	10:20 AM	55.2	993393.3644
187	10/22/2001 10:20	10:20 AM	59	2382984.704
188	10/22/2001 10:20	10:20 AM	60.1	3069878.977
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191	10/22/2001 10:20	10:20 AM	52.5	533483.823
192	10/22/2001 10:20	10:20 AM	50.6	344446.0864
193	10/22/2001 10:20	10:20 AM	54.3	807460.4412
194	10/22/2001 10:20	10:20 AM	51.1	386474.8655
195	10/22/2001 10:20	10:20 AM	58.7	2223930.724
196	10/22/2001 10:20	10:20 AM	58.9	2328741.35
197	10/22/2001 10:20	10:20 AM	56.2	1250608.15
198	10/22/2001 10:20	10:20 AM	57.8	1807678.758
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200	10/22/2001 10:20	10:20 AM	54.7	885362.768
201	10/22/2001 10:20	10:20 AM	54.2	789080.3976
202	10/22/2001 10:20	10:20 AM	57.6	1726319.812
203	10/22/2001 10:20	10:20 AM	55.5	1064440.168
204	10/22/2001 10:20	10:20 AM	55.1	970780.9708
205	10/22/2001 10:21	10:21 AM	63.4	6563284.872
206	10/22/2001 10:21	10:21 AM	60.9	3690806.312
207	10/22/2001 10:21	10:21 AM	56.8	1435890.277
208	10/22/2001 10:21	10:21 AM	53	598578.6945
209	10/22/2001 10:21	10:21 AM	52.8	571638.2154
210	10/22/2001 10:21	10:21 AM	59.5	2673752.814
211	10/22/2001 10:21	10:21 AM	56.9	1469336.458
212	10/22/2001 10:21	10:21 AM	52	475467.9577
213	10/22/2001 10:21	10:21 AM	57.3	1611095.389
214	10/22/2001 10:21	10:21 AM	51.5	423761.2634
215	10/22/2001 10:21	10:21 AM	51.6	433631.9312
216	10/22/2001 10:21	10:21 AM	52.9	584953.3799

217	10/22/2001 10:21	10:21 AM	58	1892872.033
218	10/22/2001 10:21	10:21 AM	57.2	1574422.381
219	10/22/2001 10:21	10:21 AM	52.4	521340.2486
220	10/22/2001 10:21	10:21 AM	56.3	1279738.556
221	10/22/2001 10:21	10:21 AM	53.9	736412.6747
222	10/22/2001 10:21	10:21 AM	51.7	443732.5165
223	10/22/2001 10:21	10:21 AM	58.5	2123837.353
224	10/22/2001 10:21	10:21 AM	59.7	2799762.902
225	10/22/2001 10:22	10:22 AM	60.5	3366055.363
226	10/22/2001 10:22	10:22 AM	55.1	970780.9708
227	10/22/2001 10:22	10:22 AM	53.2	626788.8393
228	10/22/2001 10:22	10:22 AM	53.2	626788.8393
229	10/22/2001 10:22	10:22 AM	51.8	454068.3745
230	10/22/2001 10:22	10:22 AM	51.8	454068.3745
231	10/22/2001 10:22	10:22 AM	52	475467.9577
232	10/22/2001 10:22	10:22 AM	58.2	1982080.344
233	10/22/2001 10:22	10:22 AM	53.8	719649.8757
234	10/22/2001 10:22	10:22 AM	50.7	352469.2665
235	10/22/2001 10:22	10:22 AM	57.1	1538584.152
236	10/22/2001 10:22	10:22 AM	56.7	1403205.424
237	10/22/2001 10:22	10:22 AM	58.2	1982080.344
238	10/22/2001 10:22	10:22 AM	52.3	509473.0957
239	10/22/2001 10:22	10:22 AM	50.7	352469.2665
240	10/22/2001 10:22	10:22 AM	50.8	360679.3304
241	10/22/2001 10:22	10:22 AM	50.4	328943.4588
242	10/22/2001 10:22	10:22 AM	52.2	497876.0722
243	10/22/2001 10:22	10:22 AM	52.2	497876.0722
244	10/22/2001 10:22	10:22 AM	52.3	509473.0957
245	10/22/2001 10:23	10:23 AM	53.2	626788.8393
246	10/22/2001 10:23	10:23 AM	53.3	641388.6269
247	10/22/2001 10:23	10:23 AM	54	753565.9295
248	10/22/2001 10:23	10:23 AM	52.9	584953.3799
249	10/22/2001 10:23	10:23 AM	52	475467.9577
250	10/22/2001 10:23	10:23 AM	51.9	464644.9857
251	10/22/2001 10:23	10:23 AM	50.8	360679.3304
252	10/22/2001 10:23	10:23 AM	51.2	395477.0216
253	10/22/2001 10:23	10:23 AM	53.8	719649.8757
254	10/22/2001 10:23	10:23 AM	53.4	656328.4872
255	10/22/2001 10:23	10:23 AM	51.3	404688.8648
256	10/22/2001 10:23	10:23 AM	53.2	626788.8393
257	10/22/2001 10:23	10:23 AM	55.8	1140568.189
258	10/22/2001 10:23	10:23 AM	51.9	464644.9857
259	10/22/2001 10:23	10:23 AM	61.4	4141152.794
260	10/22/2001 10:23	10:23 AM	56.3	1279738.556
261	10/22/2001 10:23	10:23 AM	52.6	545910.2576
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263	10/22/2001 10:23	10:23 AM	50.8	360679.3304

264	10/22/2001 10:23	10:23 AM	53.6	687260.2958
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267	10/22/2001 10:24	10:24 AM	52.4	521340.2486
268	10/22/2001 10:24	10:24 AM	51.3	404688.8648
269	10/22/2001 10:24	10:24 AM	58.5	2123837.353
270	10/22/2001 10:24	10:24 AM	56.9	1469336.458
271	10/22/2001 10:24	10:24 AM	52	475467.9577
272	10/22/2001 10:24	10:24 AM	61.8	4540683.745
273	10/22/2001 10:24	10:24 AM	58.7	2223930.724
274	10/22/2001 10:24	10:24 AM	52.5	533483.823
275	10/22/2001 10:24	10:24 AM	51.2	395477.0216
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281	10/22/2001 10:24	10:24 AM	56.1	1222140.833
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284	10/22/2001 10:24	10:24 AM	54.9	927088.6298
285	10/22/2001 10:25	10:25 AM	61.1	3864748.655
286	10/22/2001 10:25	10:25 AM	59.9	2931711.663
287	10/22/2001 10:25	10:25 AM	55.9	1167135.435
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291	10/22/2001 10:25	10:25 AM	56.4	1309547.497
292	10/22/2001 10:25	10:25 AM	55	948683.2981
293	10/22/2001 10:25	10:25 AM	58.8	2275732.725
294	10/22/2001 10:25	10:25 AM	58.1	1936962.687
295	10/22/2001 10:25	10:25 AM	60.6	3444460.864
296	10/22/2001 10:25	10:25 AM	57.2	1574422.381
297	10/22/2001 10:25	10:25 AM	52.5	533483.823
298	10/22/2001 10:25	10:25 AM	49.5	267375.2814
299	10/22/2001 10:25	10:25 AM	48	189287.2033
300	10/22/2001 10:25	10:25 AM	47.3	161109.5389

Noise Level Graph Inputs		
Start	10:10:49 AM	0.424178
End	10:25:43 AM	0.434525
Interval	0:01:00	0.000694

Short-Term Noise Measurement 1 - Olive Avenue - January 10, 2022



Short-Term Noise Measurement 2 - Lambert Avenue

Data Logger 2	
Duration (seconds)	3
Weighting	A
Response	SLOW
Range	40-100
L05	60.3
L10	58.3
L50	49.01
L90	45.2
L95	44.7
Lmax	68.3
Time	10/22/2001 10:59
SEL	84
Leq	54.4

No.s	Date Time	Time	dB	Sound Energy
1	10/22/2001 10:56	10:56 AM	53.9	736412.6747
2	10/22/2001 10:56	10:56 AM	61.3	4046888.648
3	10/22/2001 10:56	10:56 AM	58.2	1982080.344
4	10/22/2001 10:57	10:57 AM	54.5	845514.8794
5	10/22/2001 10:57	10:57 AM	54.7	885362.768
6	10/22/2001 10:57	10:57 AM	49.4	261289.077
7	10/22/2001 10:57	10:57 AM	48	189287.2033
8	10/22/2001 10:57	10:57 AM	47.4	164862.2622
9	10/22/2001 10:57	10:57 AM	46.3	127973.8556
10	10/22/2001 10:57	10:57 AM	46.1	122214.0833
11	10/22/2001 10:57	10:57 AM	46.6	137126.4569
12	10/22/2001 10:57	10:57 AM	46.6	137126.4569
13	10/22/2001 10:57	10:57 AM	47.1	153858.4152
14	10/22/2001 10:57	10:57 AM	50.8	360679.3304
15	10/22/2001 10:57	10:57 AM	46.9	146933.6458
16	10/22/2001 10:57	10:57 AM	47.7	176653.0966
17	10/22/2001 10:57	10:57 AM	49.7	279976.2902
18	10/22/2001 10:57	10:57 AM	51.3	404688.8648
19	10/22/2001 10:57	10:57 AM	56	1194321.512
20	10/22/2001 10:57	10:57 AM	58.3	2028248.926
21	10/22/2001 10:57	10:57 AM	51	377677.6235
22	10/22/2001 10:57	10:57 AM	50.9	369080.6312
23	10/22/2001 10:57	10:57 AM	58.3	2028248.926
24	10/22/2001 10:58	10:58 AM	60.4	3289434.588
25	10/22/2001 10:58	10:58 AM	57.2	1574422.381
26	10/22/2001 10:58	10:58 AM	60.4	3289434.588
27	10/22/2001 10:58	10:58 AM	64.1	7711187.348
28	10/22/2001 10:58	10:58 AM	55.5	1064440.168

29	10/22/2001 10:58	10:58 AM	52.6	545910.2576
30	10/22/2001 10:58	10:58 AM	50.7	352469.2665
31	10/22/2001 10:58	10:58 AM	48.8	227573.2725
32	10/22/2001 10:58	10:58 AM	48.8	227573.2725
33	10/22/2001 10:58	10:58 AM	49	238298.4704
34	10/22/2001 10:58	10:58 AM	48.8	227573.2725
35	10/22/2001 10:58	10:58 AM	47.3	161109.5389
36	10/22/2001 10:58	10:58 AM	47.4	164862.2622
37	10/22/2001 10:58	10:58 AM	45.6	108923.4164
38	10/22/2001 10:58	10:58 AM	45.7	111460.5687
39	10/22/2001 10:58	10:58 AM	45.4	104021.0551
40	10/22/2001 10:58	10:58 AM	45.7	111460.5687
41	10/22/2001 10:58	10:58 AM	47	150356.1701
42	10/22/2001 10:58	10:58 AM	52.7	558626.141
43	10/22/2001 10:58	10:58 AM	58.8	2275732.725
44	10/22/2001 10:59	10:59 AM	58.3	2028248.926
45	10/22/2001 10:59	10:59 AM	57.1	1538584.152
46	10/22/2001 10:59	10:59 AM	52.5	533483.823
47	10/22/2001 10:59	10:59 AM	59.2	2495291.313
48	10/22/2001 10:59	10:59 AM	65.7	11146056.87
49	10/22/2001 10:59	10:59 AM	57.2	1574422.381
50	10/22/2001 10:59	10:59 AM	52.4	521340.2486
51	10/22/2001 10:59	10:59 AM	51	377677.6235
52	10/22/2001 10:59	10:59 AM	48.2	198208.0344
53	10/22/2001 10:59	10:59 AM	46.3	127973.8556
54	10/22/2001 10:59	10:59 AM	46.6	137126.4569
55	10/22/2001 10:59	10:59 AM	45.9	116713.5435
56	10/22/2001 10:59	10:59 AM	46.5	134005.0776
57	10/22/2001 10:59	10:59 AM	47.2	157442.2381
58	10/22/2001 10:59	10:59 AM	46.9	146933.6458
59	10/22/2001 10:59	10:59 AM	53.3	641388.6269
60	10/22/2001 10:59	10:59 AM	51	377677.6235
61	10/22/2001 10:59	10:59 AM	52	475467.9577
62	10/22/2001 10:59	10:59 AM	50.5	336605.5363
63	10/22/2001 10:59	10:59 AM	49.5	267375.2814
64	10/22/2001 11:00	11:00 AM	48.4	207549.2913
65	10/22/2001 11:00	11:00 AM	51.5	423761.2634
66	10/22/2001 11:00	11:00 AM	50.1	306987.8977
67	10/22/2001 11:00	11:00 AM	48.3	202824.8926
68	10/22/2001 11:00	11:00 AM	48.8	227573.2725
69	10/22/2001 11:00	11:00 AM	49.6	273603.2518
70	10/22/2001 11:00	11:00 AM	48.7	222393.0724
71	10/22/2001 11:00	11:00 AM	48.4	207549.2913
72	10/22/2001 11:00	11:00 AM	48.3	202824.8926
73	10/22/2001 11:00	11:00 AM	51.6	433631.9312
74	10/22/2001 11:00	11:00 AM	56.5	1340050.776
75	10/22/2001 11:00	11:00 AM	54.3	807460.4412

76	10/22/2001 11:00	11:00 AM	48.3	202824.8926
77	10/22/2001 11:00	11:00 AM	51.5	423761.2634
78	10/22/2001 11:00	11:00 AM	49.5	267375.2814
79	10/22/2001 11:00	11:00 AM	49.2	249529.1313
80	10/22/2001 11:00	11:00 AM	47.6	172631.9812
81	10/22/2001 11:00	11:00 AM	48.4	207549.2913
82	10/22/2001 11:00	11:00 AM	46.4	130954.7497
83	10/22/2001 11:00	11:00 AM	46	119432.1512
84	10/22/2001 11:01	11:01 AM	45.6	108923.4164
85	10/22/2001 11:01	11:01 AM	45	94868.32981
86	10/22/2001 11:01	11:01 AM	44.7	88536.2768
87	10/22/2001 11:01	11:01 AM	45.8	114056.8189
88	10/22/2001 11:01	11:01 AM	45.7	111460.5687
89	10/22/2001 11:01	11:01 AM	45.5	106444.0168
90	10/22/2001 11:01	11:01 AM	45.5	106444.0168
91	10/22/2001 11:01	11:01 AM	45.5	106444.0168
92	10/22/2001 11:01	11:01 AM	46	119432.1512
93	10/22/2001 11:01	11:01 AM	45.5	106444.0168
94	10/22/2001 11:01	11:01 AM	44.9	92708.86298
95	10/22/2001 11:01	11:01 AM	45.5	106444.0168
96	10/22/2001 11:01	11:01 AM	44.7	88536.2768
97	10/22/2001 11:01	11:01 AM	44.4	82626.8611
98	10/22/2001 11:01	11:01 AM	44.2	78908.03976
99	10/22/2001 11:01	11:01 AM	44	75356.59295
100	10/22/2001 11:01	11:01 AM	43.8	71964.98757
101	10/22/2001 11:01	11:01 AM	43.9	73641.26747
102	10/22/2001 11:01	11:01 AM	43.9	73641.26747
103	10/22/2001 11:01	11:01 AM	43.6	68726.02958
104	10/22/2001 11:02	11:02 AM	44	75356.59295
105	10/22/2001 11:02	11:02 AM	43.7	70326.86446
106	10/22/2001 11:02	11:02 AM	43.9	73641.26747
107	10/22/2001 11:02	11:02 AM	44.9	92708.86298
108	10/22/2001 11:02	11:02 AM	45.4	104021.0551
109	10/22/2001 11:02	11:02 AM	46.4	130954.7497
110	10/22/2001 11:02	11:02 AM	46.5	134005.0776
111	10/22/2001 11:02	11:02 AM	46.7	140320.5424
112	10/22/2001 11:02	11:02 AM	46.6	137126.4569
113	10/22/2001 11:02	11:02 AM	52.1	486543.0292
114	10/22/2001 11:02	11:02 AM	61.1	3864748.655
115	10/22/2001 11:02	11:02 AM	61.9	4646449.857
116	10/22/2001 11:02	11:02 AM	55.6	1089234.164
117	10/22/2001 11:02	11:02 AM	49.2	249529.1313
118	10/22/2001 11:02	11:02 AM	45.5	106444.0168
119	10/22/2001 11:02	11:02 AM	44.3	80746.04412
120	10/22/2001 11:02	11:02 AM	44.7	88536.2768
121	10/22/2001 11:02	11:02 AM	50.2	314138.5644
122	10/22/2001 11:02	11:02 AM	55	948683.2981

123	10/22/2001 11:02	11:02 AM	50.4	328943.4588
124	10/22/2001 11:03	11:03 AM	47.7	176653.0966
125	10/22/2001 11:03	11:03 AM	56.1	1222140.833
126	10/22/2001 11:03	11:03 AM	56.9	1469336.458
127	10/22/2001 11:03	11:03 AM	50.6	344446.0864
128	10/22/2001 11:03	11:03 AM	48.7	222393.0724
129	10/22/2001 11:03	11:03 AM	51.4	414115.2794
130	10/22/2001 11:03	11:03 AM	58.6	2173307.88
131	10/22/2001 11:03	11:03 AM	64.4	8262686.11
132	10/22/2001 11:03	11:03 AM	61.6	4336319.312
133	10/22/2001 11:03	11:03 AM	58.9	2328741.35
134	10/22/2001 11:03	11:03 AM	57.6	1726319.812
135	10/22/2001 11:03	11:03 AM	52	475467.9577
136	10/22/2001 11:03	11:03 AM	48.8	227573.2725
137	10/22/2001 11:03	11:03 AM	46.4	130954.7497
138	10/22/2001 11:03	11:03 AM	45.5	106444.0168
139	10/22/2001 11:03	11:03 AM	45.6	108923.4164
140	10/22/2001 11:03	11:03 AM	46	119432.1512
141	10/22/2001 11:03	11:03 AM	45.2	99339.33644
142	10/22/2001 11:03	11:03 AM	59.6	2736032.518
143	10/22/2001 11:03	11:03 AM	55.4	1040210.551
144	10/22/2001 11:04	11:04 AM	48.4	207549.2913
145	10/22/2001 11:04	11:04 AM	46.1	122214.0833
146	10/22/2001 11:04	11:04 AM	44.8	90598.55161
147	10/22/2001 11:04	11:04 AM	45.8	114056.8189
148	10/22/2001 11:04	11:04 AM	49.7	279976.2902
149	10/22/2001 11:04	11:04 AM	49.8	286497.7758
150	10/22/2001 11:04	11:04 AM	52.5	533483.823
151	10/22/2001 11:04	11:04 AM	57	1503561.701
152	10/22/2001 11:04	11:04 AM	54	753565.9295
153	10/22/2001 11:04	11:04 AM	48.5	212383.7353
154	10/22/2001 11:04	11:04 AM	49.1	243849.1548
155	10/22/2001 11:04	11:04 AM	50.4	328943.4588
156	10/22/2001 11:04	11:04 AM	48.8	227573.2725
157	10/22/2001 11:04	11:04 AM	49.2	249529.1313
158	10/22/2001 11:04	11:04 AM	48.7	222393.0724
159	10/22/2001 11:04	11:04 AM	51.6	433631.9312
160	10/22/2001 11:04	11:04 AM	60.2	3141385.644
161	10/22/2001 11:04	11:04 AM	61	3776776.235
162	10/22/2001 11:04	11:04 AM	55.9	1167135.435
163	10/22/2001 11:04	11:04 AM	51.8	454068.3745
164	10/22/2001 11:05	11:05 AM	47.9	184978.5006
165	10/22/2001 11:05	11:05 AM	47.3	161109.5389
166	10/22/2001 11:05	11:05 AM	52.1	486543.0292
167	10/22/2001 11:05	11:05 AM	48.6	217330.788
168	10/22/2001 11:05	11:05 AM	61.2	3954770.216
169	10/22/2001 11:05	11:05 AM	51.3	404688.8648

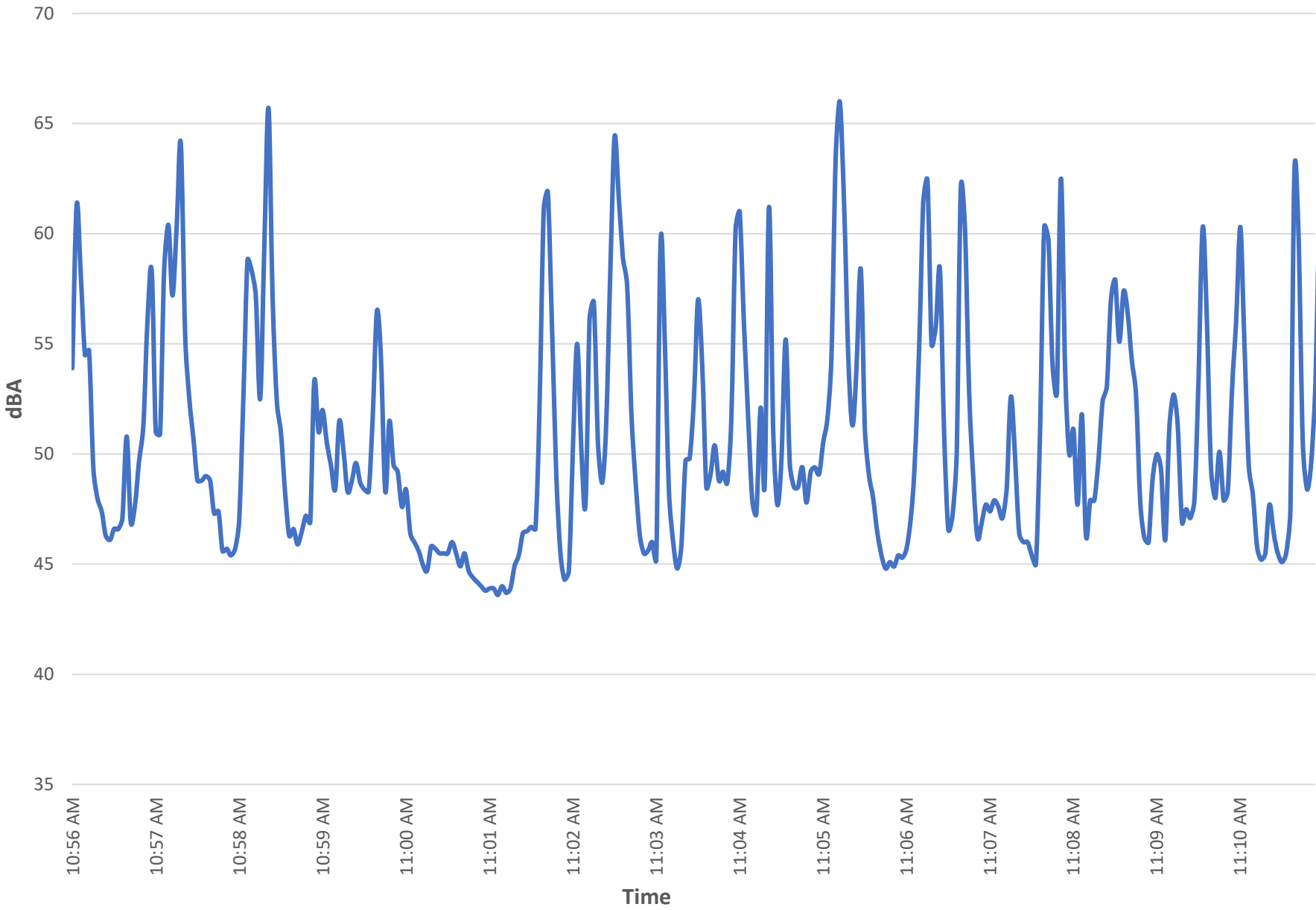
170	10/22/2001 11:05	11:05 AM	47.7	176653.0966
171	10/22/2001 11:05	11:05 AM	49.7	279976.2902
172	10/22/2001 11:05	11:05 AM	55.2	993393.3644
173	10/22/2001 11:05	11:05 AM	49.6	273603.2518
174	10/22/2001 11:05	11:05 AM	48.5	212383.7353
175	10/22/2001 11:05	11:05 AM	48.5	212383.7353
176	10/22/2001 11:05	11:05 AM	49.4	261289.077
177	10/22/2001 11:05	11:05 AM	47.8	180767.8758
178	10/22/2001 11:05	11:05 AM	49.2	249529.1313
179	10/22/2001 11:05	11:05 AM	49.4	261289.077
180	10/22/2001 11:05	11:05 AM	49.1	243849.1548
181	10/22/2001 11:05	11:05 AM	50.5	336605.5363
182	10/22/2001 11:05	11:05 AM	51.6	433631.9312
183	10/22/2001 11:05	11:05 AM	54.4	826268.611
184	10/22/2001 11:06	11:06 AM	63.5	6716163.416
185	10/22/2001 11:06	11:06 AM	66	11943215.12
186	10/22/2001 11:06	11:06 AM	61.4	4141152.794
187	10/22/2001 11:06	11:06 AM	54.6	865209.4509
188	10/22/2001 11:06	11:06 AM	51.3	404688.8648
189	10/22/2001 11:06	11:06 AM	53.9	736412.6747
190	10/22/2001 11:06	11:06 AM	58.4	2075492.913
191	10/22/2001 11:06	11:06 AM	51.2	395477.0216
192	10/22/2001 11:06	11:06 AM	49	238298.4704
193	10/22/2001 11:06	11:06 AM	48	189287.2033
194	10/22/2001 11:06	11:06 AM	46.4	130954.7497
195	10/22/2001 11:06	11:06 AM	45.4	104021.0551
196	10/22/2001 11:06	11:06 AM	44.8	90598.55161
197	10/22/2001 11:06	11:06 AM	45.1	97078.09708
198	10/22/2001 11:06	11:06 AM	44.9	92708.86298
199	10/22/2001 11:06	11:06 AM	45.4	104021.0551
200	10/22/2001 11:06	11:06 AM	45.3	101653.2468
201	10/22/2001 11:06	11:06 AM	45.7	111460.5687
202	10/22/2001 11:06	11:06 AM	47.1	153858.4152
203	10/22/2001 11:06	11:06 AM	49.7	279976.2902
204	10/22/2001 11:07	11:07 AM	54.8	905985.5161
205	10/22/2001 11:07	11:07 AM	61.4	4141152.794
206	10/22/2001 11:07	11:07 AM	62.4	5213402.486
207	10/22/2001 11:07	11:07 AM	55	948683.2981
208	10/22/2001 11:07	11:07 AM	55.8	1140568.189
209	10/22/2001 11:07	11:07 AM	58.4	2075492.913
210	10/22/2001 11:07	11:07 AM	50.9	369080.6312
211	10/22/2001 11:07	11:07 AM	46.6	137126.4569
212	10/22/2001 11:07	11:07 AM	47.2	157442.2381
213	10/22/2001 11:07	11:07 AM	50.1	306987.8977
214	10/22/2001 11:07	11:07 AM	62.1	4865430.292
215	10/22/2001 11:07	11:07 AM	60.1	3069878.977
216	10/22/2001 11:07	11:07 AM	52.8	571638.2154

217	10/22/2001 11:07	11:07 AM	48.8	227573.2725
218	10/22/2001 11:07	11:07 AM	46.2	125060.815
219	10/22/2001 11:07	11:07 AM	46.9	146933.6458
220	10/22/2001 11:07	11:07 AM	47.7	176653.0966
221	10/22/2001 11:07	11:07 AM	47.4	164862.2622
222	10/22/2001 11:07	11:07 AM	47.9	184978.5006
223	10/22/2001 11:07	11:07 AM	47.6	172631.9812
224	10/22/2001 11:08	11:08 AM	47.1	153858.4152
225	10/22/2001 11:08	11:08 AM	48.5	212383.7353
226	10/22/2001 11:08	11:08 AM	52.6	545910.2576
227	10/22/2001 11:08	11:08 AM	49.8	286497.7758
228	10/22/2001 11:08	11:08 AM	46.4	130954.7497
229	10/22/2001 11:08	11:08 AM	46	119432.1512
230	10/22/2001 11:08	11:08 AM	46	119432.1512
231	10/22/2001 11:08	11:08 AM	45.4	104021.0551
232	10/22/2001 11:08	11:08 AM	45	94868.32981
233	10/22/2001 11:08	11:08 AM	51.3	404688.8648
234	10/22/2001 11:08	11:08 AM	60.3	3214557.916
235	10/22/2001 11:08	11:08 AM	59.7	2799762.902
236	10/22/2001 11:08	11:08 AM	54	753565.9295
237	10/22/2001 11:08	11:08 AM	52.8	571638.2154
238	10/22/2001 11:08	11:08 AM	62.5	5334838.23
239	10/22/2001 11:08	11:08 AM	53.7	703268.6446
240	10/22/2001 11:08	11:08 AM	50	300000
241	10/22/2001 11:08	11:08 AM	51.1	386474.8655
242	10/22/2001 11:08	11:08 AM	47.7	176653.0966
243	10/22/2001 11:08	11:08 AM	51.8	454068.3745
244	10/22/2001 11:09	11:09 AM	46.3	127973.8556
245	10/22/2001 11:09	11:09 AM	47.9	184978.5006
246	10/22/2001 11:09	11:09 AM	47.9	184978.5006
247	10/22/2001 11:09	11:09 AM	49.8	286497.7758
248	10/22/2001 11:09	11:09 AM	52.4	521340.2486
249	10/22/2001 11:09	11:09 AM	53.1	612521.3834
250	10/22/2001 11:09	11:09 AM	57	1503561.701
251	10/22/2001 11:09	11:09 AM	57.9	1849785.006
252	10/22/2001 11:09	11:09 AM	55.1	970780.9708
253	10/22/2001 11:09	11:09 AM	57.4	1648622.622
254	10/22/2001 11:09	11:09 AM	56.4	1309547.497
255	10/22/2001 11:09	11:09 AM	54.2	789080.3976
256	10/22/2001 11:09	11:09 AM	52.7	558626.141
257	10/22/2001 11:09	11:09 AM	47.8	180767.8758
258	10/22/2001 11:09	11:09 AM	46.2	125060.815
259	10/22/2001 11:09	11:09 AM	46	119432.1512
260	10/22/2001 11:09	11:09 AM	48.9	232874.135
261	10/22/2001 11:09	11:09 AM	50	300000
262	10/22/2001 11:09	11:09 AM	49.3	255341.4115
263	10/22/2001 11:09	11:09 AM	46.1	122214.0833

264	10/22/2001 11:10	11:10 AM	51.2	395477.0216
265	10/22/2001 11:10	11:10 AM	52.7	558626.141
266	10/22/2001 11:10	11:10 AM	51.3	404688.8648
267	10/22/2001 11:10	11:10 AM	46.9	146933.6458
268	10/22/2001 11:10	11:10 AM	47.5	168702.3976
269	10/22/2001 11:10	11:10 AM	47.1	153858.4152
270	10/22/2001 11:10	11:10 AM	47.9	184978.5006
271	10/22/2001 11:10	11:10 AM	53.6	687260.2958
272	10/22/2001 11:10	11:10 AM	60.3	3214557.916
273	10/22/2001 11:10	11:10 AM	55.9	1167135.435
274	10/22/2001 11:10	11:10 AM	49.3	255341.4115
275	10/22/2001 11:10	11:10 AM	48	189287.2033
276	10/22/2001 11:10	11:10 AM	50.1	306987.8977
277	10/22/2001 11:10	11:10 AM	47.9	184978.5006
278	10/22/2001 11:10	11:10 AM	48.3	202824.8926
279	10/22/2001 11:10	11:10 AM	52.9	584953.3799
280	10/22/2001 11:10	11:10 AM	56	1194321.512
281	10/22/2001 11:10	11:10 AM	60.3	3214557.916
282	10/22/2001 11:10	11:10 AM	55	948683.2981
283	10/22/2001 11:10	11:10 AM	49.5	267375.2814
284	10/22/2001 11:11	11:11 AM	48.2	198208.0344
285	10/22/2001 11:11	11:11 AM	45.8	114056.8189
286	10/22/2001 11:11	11:11 AM	45.2	99339.33644
287	10/22/2001 11:11	11:11 AM	45.5	106444.0168
288	10/22/2001 11:11	11:11 AM	47.7	176653.0966
289	10/22/2001 11:11	11:11 AM	46.4	130954.7497
290	10/22/2001 11:11	11:11 AM	45.5	106444.0168
291	10/22/2001 11:11	11:11 AM	45.1	97078.09708
292	10/22/2001 11:11	11:11 AM	45.5	106444.0168
293	10/22/2001 11:11	11:11 AM	47.5	168702.3976
294	10/22/2001 11:11	11:11 AM	62.9	5849533.799
295	10/22/2001 11:11	11:11 AM	59.6	2736032.518
296	10/22/2001 11:11	11:11 AM	50.5	336605.5363
297	10/22/2001 11:11	11:11 AM	48.4	207549.2913
298	10/22/2001 11:11	11:11 AM	49.6	273603.2518
299	10/22/2001 11:11	11:11 AM	53.2	626788.8393
300	10/22/2001 11:11	11:11 AM	61.3	4046888.648

Noise Level Graph Inputs		
Start	10:56:52 AM	0.456157
End	11:11:46 AM	0.466505
Interval	0:01:00	0.000694

Short-Term Noise Measurement 2 - Lambert Avenue- January 10, 2022



Short-Term Noise Measurement 3 - Park Boulevard

Data Logger 2	
Duration (seconds)	3
Weighting	A
Response	SLOW
Range	40-100
L05	62
L10	59.2
L50	48.1
L90	44
L95	43.4
Lmax	71.2
Time	4/1/2009 0:03
SEL	85.5
Leq	56.1

No.s	Date Time	Time	dB	Sound Energy
1	4/1/2009 0:01	12:01 AM	50.9	369080.6312
2	4/1/2009 0:01	12:01 AM	52.2	497876.0722
3	4/1/2009 0:01	12:01 AM	54	753565.9295
4	4/1/2009 0:01	12:01 AM	55.3	1016532.468
5	4/1/2009 0:01	12:01 AM	55.1	970780.9708
6	4/1/2009 0:01	12:01 AM	55.5	1064440.168
7	4/1/2009 0:01	12:01 AM	54.9	927088.6298
8	4/1/2009 0:01	12:01 AM	55.2	993393.3644
9	4/1/2009 0:01	12:01 AM	55.3	1016532.468
10	4/1/2009 0:02	12:02 AM	57.6	1726319.812
11	4/1/2009 0:02	12:02 AM	58.9	2328741.35
12	4/1/2009 0:02	12:02 AM	54	753565.9295
13	4/1/2009 0:02	12:02 AM	49.2	249529.1313
14	4/1/2009 0:02	12:02 AM	50.7	352469.2665
15	4/1/2009 0:02	12:02 AM	53.5	671616.3416
16	4/1/2009 0:02	12:02 AM	64.3	8074604.412
17	4/1/2009 0:02	12:02 AM	70.1	30698789.77
18	4/1/2009 0:02	12:02 AM	59.7	2799762.902
19	4/1/2009 0:02	12:02 AM	51.5	423761.2634
20	4/1/2009 0:02	12:02 AM	48.1	193696.2687
21	4/1/2009 0:02	12:02 AM	47.4	164862.2622
22	4/1/2009 0:02	12:02 AM	47.4	164862.2622
23	4/1/2009 0:02	12:02 AM	49.3	255341.4115
24	4/1/2009 0:02	12:02 AM	48.6	217330.788
25	4/1/2009 0:02	12:02 AM	49.8	286497.7758
26	4/1/2009 0:02	12:02 AM	49.4	261289.077
27	4/1/2009 0:02	12:02 AM	52.1	486543.0292
28	4/1/2009 0:02	12:02 AM	59.4	2612890.77

29	4/1/2009 0:02	12:02 AM	62.4	5213402.486
30	4/1/2009 0:03	12:03 AM	69.7	27997629.02
31	4/1/2009 0:03	12:03 AM	69.6	27360325.18
32	4/1/2009 0:03	12:03 AM	64	7535659.295
33	4/1/2009 0:03	12:03 AM	58.5	2123837.353
34	4/1/2009 0:03	12:03 AM	60.3	3214557.916
35	4/1/2009 0:03	12:03 AM	60.8	3606793.304
36	4/1/2009 0:03	12:03 AM	54.8	905985.5161
37	4/1/2009 0:03	12:03 AM	50.2	314138.5644
38	4/1/2009 0:03	12:03 AM	50.1	306987.8977
39	4/1/2009 0:03	12:03 AM	52.4	521340.2486
40	4/1/2009 0:03	12:03 AM	60.6	3444460.864
41	4/1/2009 0:03	12:03 AM	66.5	13400507.76
42	4/1/2009 0:03	12:03 AM	57.2	1574422.381
43	4/1/2009 0:03	12:03 AM	55.7	1114605.687
44	4/1/2009 0:03	12:03 AM	53.4	656328.4872
45	4/1/2009 0:03	12:03 AM	51	377677.6235
46	4/1/2009 0:03	12:03 AM	53.5	671616.3416
47	4/1/2009 0:03	12:03 AM	56	1194321.512
48	4/1/2009 0:03	12:03 AM	58.9	2328741.35
49	4/1/2009 0:03	12:03 AM	54.6	865209.4509
50	4/1/2009 0:04	12:04 AM	54.1	771118.7348
51	4/1/2009 0:04	12:04 AM	54.1	771118.7348
52	4/1/2009 0:04	12:04 AM	53.4	656328.4872
53	4/1/2009 0:04	12:04 AM	49.4	261289.077
54	4/1/2009 0:04	12:04 AM	46.9	146933.6458
55	4/1/2009 0:04	12:04 AM	45	94868.32981
56	4/1/2009 0:04	12:04 AM	46	119432.1512
57	4/1/2009 0:04	12:04 AM	46.7	140320.5424
58	4/1/2009 0:04	12:04 AM	44.8	90598.55161
59	4/1/2009 0:04	12:04 AM	44.7	88536.2768
60	4/1/2009 0:04	12:04 AM	49.7	279976.2902
61	4/1/2009 0:04	12:04 AM	55.2	993393.3644
62	4/1/2009 0:04	12:04 AM	63.9	7364126.747
63	4/1/2009 0:04	12:04 AM	59.3	2553414.115
64	4/1/2009 0:04	12:04 AM	53.1	612521.3834
65	4/1/2009 0:04	12:04 AM	51.1	386474.8655
66	4/1/2009 0:04	12:04 AM	47.2	157442.2381
67	4/1/2009 0:04	12:04 AM	47.2	157442.2381
68	4/1/2009 0:04	12:04 AM	48.7	222393.0724
69	4/1/2009 0:04	12:04 AM	48.6	217330.788
70	4/1/2009 0:05	12:05 AM	48.6	217330.788
71	4/1/2009 0:05	12:05 AM	48	189287.2033
72	4/1/2009 0:05	12:05 AM	50.3	321455.7916
73	4/1/2009 0:05	12:05 AM	51.3	404688.8648
74	4/1/2009 0:05	12:05 AM	51.2	395477.0216
75	4/1/2009 0:05	12:05 AM	53	598578.6945

76	4/1/2009 0:05	12:05 AM	52.9	584953.3799
77	4/1/2009 0:05	12:05 AM	55.4	1040210.551
78	4/1/2009 0:05	12:05 AM	57.2	1574422.381
79	4/1/2009 0:05	12:05 AM	55.6	1089234.164
80	4/1/2009 0:05	12:05 AM	55.2	993393.3644
81	4/1/2009 0:05	12:05 AM	57.1	1538584.152
82	4/1/2009 0:05	12:05 AM	54.9	927088.6298
83	4/1/2009 0:05	12:05 AM	54.1	771118.7348
84	4/1/2009 0:05	12:05 AM	54.6	865209.4509
85	4/1/2009 0:05	12:05 AM	54.3	807460.4412
86	4/1/2009 0:05	12:05 AM	55.5	1064440.168
87	4/1/2009 0:05	12:05 AM	54.5	845514.8794
88	4/1/2009 0:05	12:05 AM	57.6	1726319.812
89	4/1/2009 0:05	12:05 AM	57.6	1726319.812
90	4/1/2009 0:06	12:06 AM	60.9	3690806.312
91	4/1/2009 0:06	12:06 AM	62.6	5459102.576
92	4/1/2009 0:06	12:06 AM	62.1	4865430.292
93	4/1/2009 0:06	12:06 AM	62.5	5334838.23
94	4/1/2009 0:06	12:06 AM	60.2	3141385.644
95	4/1/2009 0:06	12:06 AM	58.8	2275732.725
96	4/1/2009 0:06	12:06 AM	56.5	1340050.776
97	4/1/2009 0:06	12:06 AM	54	753565.9295
98	4/1/2009 0:06	12:06 AM	53.5	671616.3416
99	4/1/2009 0:06	12:06 AM	53.5	671616.3416
100	4/1/2009 0:06	12:06 AM	53.3	641388.6269
101	4/1/2009 0:06	12:06 AM	51.3	404688.8648
102	4/1/2009 0:06	12:06 AM	52.8	571638.2154
103	4/1/2009 0:06	12:06 AM	53.8	719649.8757
104	4/1/2009 0:06	12:06 AM	65.7	11146056.87
105	4/1/2009 0:06	12:06 AM	58.8	2275732.725
106	4/1/2009 0:06	12:06 AM	51.6	433631.9312
107	4/1/2009 0:06	12:06 AM	49.1	243849.1548
108	4/1/2009 0:06	12:06 AM	47.7	176653.0966
109	4/1/2009 0:06	12:06 AM	46.6	137126.4569
110	4/1/2009 0:07	12:07 AM	47.9	184978.5006
111	4/1/2009 0:07	12:07 AM	46.9	146933.6458
112	4/1/2009 0:07	12:07 AM	45.1	97078.09708
113	4/1/2009 0:07	12:07 AM	47.5	168702.3976
114	4/1/2009 0:07	12:07 AM	45.7	111460.5687
115	4/1/2009 0:07	12:07 AM	46.4	130954.7497
116	4/1/2009 0:07	12:07 AM	47.4	164862.2622
117	4/1/2009 0:07	12:07 AM	47.6	172631.9812
118	4/1/2009 0:07	12:07 AM	47.2	157442.2381
119	4/1/2009 0:07	12:07 AM	46.7	140320.5424
120	4/1/2009 0:07	12:07 AM	47.1	153858.4152
121	4/1/2009 0:07	12:07 AM	47.2	157442.2381
122	4/1/2009 0:07	12:07 AM	46.6	137126.4569

123	4/1/2009 0:07	12:07 AM	45.9	116713.5435
124	4/1/2009 0:07	12:07 AM	46.5	134005.0776
125	4/1/2009 0:07	12:07 AM	47.4	164862.2622
126	4/1/2009 0:07	12:07 AM	47.7	176653.0966
127	4/1/2009 0:07	12:07 AM	50	300000
128	4/1/2009 0:07	12:07 AM	54.2	789080.3976
129	4/1/2009 0:07	12:07 AM	62.9	5849533.799
130	4/1/2009 0:08	12:08 AM	64.1	7711187.348
131	4/1/2009 0:08	12:08 AM	56.8	1435890.277
132	4/1/2009 0:08	12:08 AM	52	475467.9577
133	4/1/2009 0:08	12:08 AM	49.4	261289.077
134	4/1/2009 0:08	12:08 AM	46.9	146933.6458
135	4/1/2009 0:08	12:08 AM	47.7	176653.0966
136	4/1/2009 0:08	12:08 AM	46.5	134005.0776
137	4/1/2009 0:08	12:08 AM	46.6	137126.4569
138	4/1/2009 0:08	12:08 AM	45.3	101653.2468
139	4/1/2009 0:08	12:08 AM	44.5	84551.48794
140	4/1/2009 0:08	12:08 AM	43.6	68726.02958
141	4/1/2009 0:08	12:08 AM	46.7	140320.5424
142	4/1/2009 0:08	12:08 AM	45.3	101653.2468
143	4/1/2009 0:08	12:08 AM	46.6	137126.4569
144	4/1/2009 0:08	12:08 AM	47.3	161109.5389
145	4/1/2009 0:08	12:08 AM	44.7	88536.2768
146	4/1/2009 0:08	12:08 AM	43.9	73641.26747
147	4/1/2009 0:08	12:08 AM	43.5	67161.63416
148	4/1/2009 0:08	12:08 AM	43.9	73641.26747
149	4/1/2009 0:08	12:08 AM	46.2	125060.815
150	4/1/2009 0:09	12:09 AM	45.8	114056.8189
151	4/1/2009 0:09	12:09 AM	45.9	116713.5435
152	4/1/2009 0:09	12:09 AM	43.8	71964.98757
153	4/1/2009 0:09	12:09 AM	42.9	58495.33799
154	4/1/2009 0:09	12:09 AM	43.4	65632.84872
155	4/1/2009 0:09	12:09 AM	43.9	73641.26747
156	4/1/2009 0:09	12:09 AM	44	75356.59295
157	4/1/2009 0:09	12:09 AM	45.6	108923.4164
158	4/1/2009 0:09	12:09 AM	47.1	153858.4152
159	4/1/2009 0:09	12:09 AM	59.8	2864977.758
160	4/1/2009 0:09	12:09 AM	57.8	1807678.758
161	4/1/2009 0:09	12:09 AM	53	598578.6945
162	4/1/2009 0:09	12:09 AM	48.2	198208.0344
163	4/1/2009 0:09	12:09 AM	45.5	106444.0168
164	4/1/2009 0:09	12:09 AM	44.9	92708.86298
165	4/1/2009 0:09	12:09 AM	44.8	90598.55161
166	4/1/2009 0:09	12:09 AM	46.1	122214.0833
167	4/1/2009 0:09	12:09 AM	46.6	137126.4569
168	4/1/2009 0:09	12:09 AM	48.8	227573.2725
169	4/1/2009 0:09	12:09 AM	52.2	497876.0722

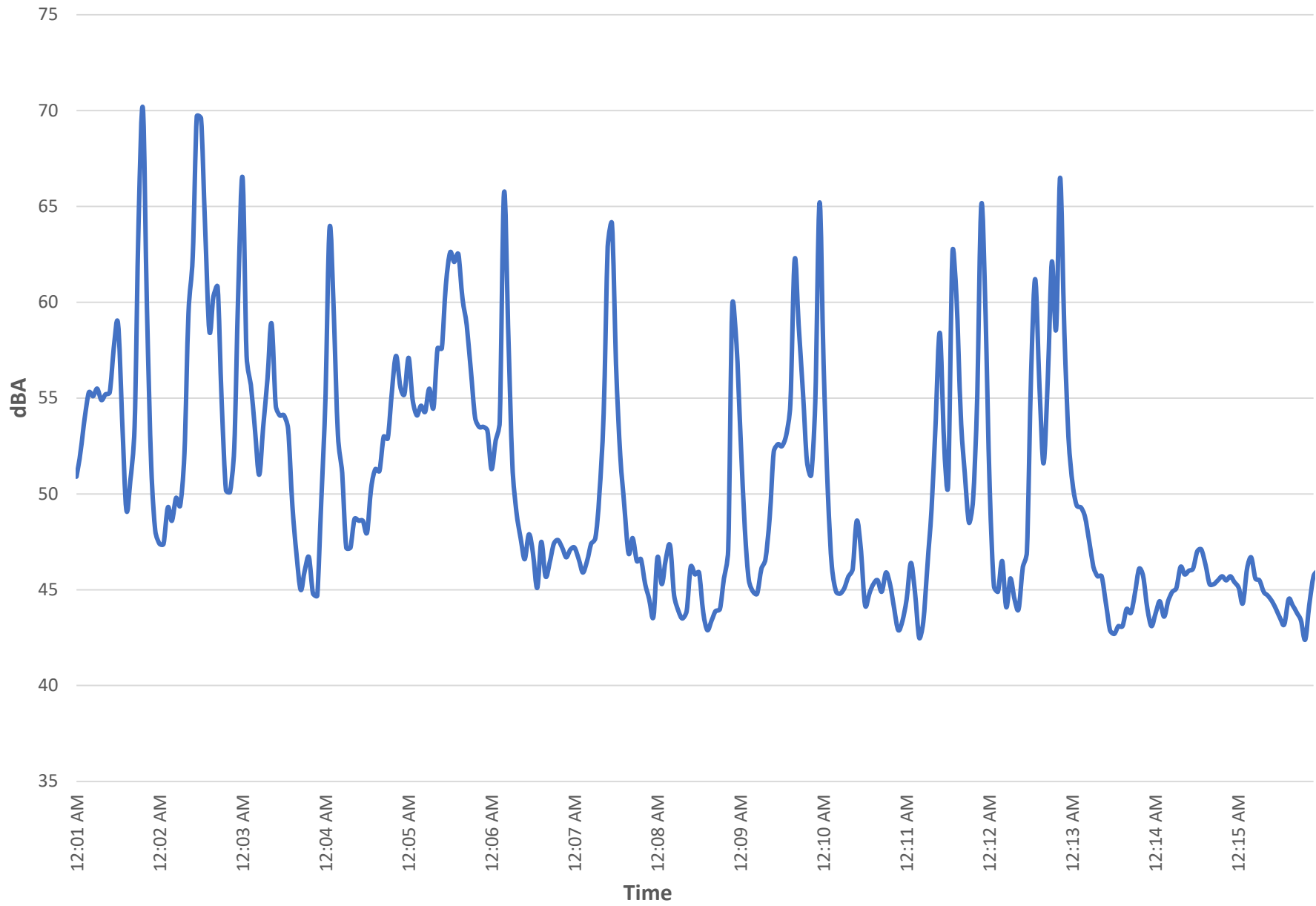
170	4/1/2009 0:10	12:10 AM	52.6	545910.2576
171	4/1/2009 0:10	12:10 AM	52.5	533483.823
172	4/1/2009 0:10	12:10 AM	53.1	612521.3834
173	4/1/2009 0:10	12:10 AM	54.7	885362.768
174	4/1/2009 0:10	12:10 AM	62.2	4978760.722
175	4/1/2009 0:10	12:10 AM	58.8	2275732.725
176	4/1/2009 0:10	12:10 AM	55.3	1016532.468
177	4/1/2009 0:10	12:10 AM	51.7	443732.5165
178	4/1/2009 0:10	12:10 AM	51	377677.6235
179	4/1/2009 0:10	12:10 AM	54.8	905985.5161
180	4/1/2009 0:10	12:10 AM	65.2	9933933.644
181	4/1/2009 0:10	12:10 AM	56.8	1435890.277
182	4/1/2009 0:10	12:10 AM	50.1	306987.8977
183	4/1/2009 0:10	12:10 AM	46.2	125060.815
184	4/1/2009 0:10	12:10 AM	44.9	92708.86298
185	4/1/2009 0:10	12:10 AM	44.8	90598.55161
186	4/1/2009 0:10	12:10 AM	45.1	97078.09708
187	4/1/2009 0:10	12:10 AM	45.7	111460.5687
188	4/1/2009 0:10	12:10 AM	46.1	122214.0833
189	4/1/2009 0:10	12:10 AM	48.6	217330.788
190	4/1/2009 0:11	12:11 AM	47	150356.1701
191	4/1/2009 0:11	12:11 AM	44.2	78908.03976
192	4/1/2009 0:11	12:11 AM	44.8	90598.55161
193	4/1/2009 0:11	12:11 AM	45.3	101653.2468
194	4/1/2009 0:11	12:11 AM	45.5	106444.0168
195	4/1/2009 0:11	12:11 AM	44.9	92708.86298
196	4/1/2009 0:11	12:11 AM	45.9	116713.5435
197	4/1/2009 0:11	12:11 AM	45.3	101653.2468
198	4/1/2009 0:11	12:11 AM	44	75356.59295
199	4/1/2009 0:11	12:11 AM	42.9	58495.33799
200	4/1/2009 0:11	12:11 AM	43.4	65632.84872
201	4/1/2009 0:11	12:11 AM	44.5	84551.48794
202	4/1/2009 0:11	12:11 AM	46.4	130954.7497
203	4/1/2009 0:11	12:11 AM	44.9	92708.86298
204	4/1/2009 0:11	12:11 AM	42.5	53348.3823
205	4/1/2009 0:11	12:11 AM	43.3	64138.86269
206	4/1/2009 0:11	12:11 AM	46.3	127973.8556
207	4/1/2009 0:11	12:11 AM	49.2	249529.1313
208	4/1/2009 0:11	12:11 AM	53.9	736412.6747
209	4/1/2009 0:11	12:11 AM	58.4	2075492.913
210	4/1/2009 0:12	12:12 AM	52.7	558626.141
211	4/1/2009 0:12	12:12 AM	50.5	336605.5363
212	4/1/2009 0:12	12:12 AM	62.5	5334838.23
213	4/1/2009 0:12	12:12 AM	60.3	3214557.916
214	4/1/2009 0:12	12:12 AM	54.2	789080.3976
215	4/1/2009 0:12	12:12 AM	51.1	386474.8655
216	4/1/2009 0:12	12:12 AM	48.5	212383.7353

217	4/1/2009 0:12	12:12 AM	49.7	279976.2902
218	4/1/2009 0:12	12:12 AM	55.2	993393.3644
219	4/1/2009 0:12	12:12 AM	65.1	9707809.708
220	4/1/2009 0:12	12:12 AM	59.3	2553414.115
221	4/1/2009 0:12	12:12 AM	50.4	328943.4588
222	4/1/2009 0:12	12:12 AM	45.2	99339.33644
223	4/1/2009 0:12	12:12 AM	44.9	92708.86298
224	4/1/2009 0:12	12:12 AM	46.5	134005.0776
225	4/1/2009 0:12	12:12 AM	44.1	77111.87348
226	4/1/2009 0:12	12:12 AM	45.6	108923.4164
227	4/1/2009 0:12	12:12 AM	44.5	84551.48794
228	4/1/2009 0:12	12:12 AM	44	75356.59295
229	4/1/2009 0:12	12:12 AM	46.2	125060.815
230	4/1/2009 0:13	12:13 AM	47	150356.1701
231	4/1/2009 0:13	12:13 AM	56.4	1309547.497
232	4/1/2009 0:13	12:13 AM	61.2	3954770.216
233	4/1/2009 0:13	12:13 AM	55.6	1089234.164
234	4/1/2009 0:13	12:13 AM	51.6	433631.9312
235	4/1/2009 0:13	12:13 AM	56	1194321.512
236	4/1/2009 0:13	12:13 AM	62.1	4865430.292
237	4/1/2009 0:13	12:13 AM	58.6	2173307.88
238	4/1/2009 0:13	12:13 AM	66.5	13400507.76
239	4/1/2009 0:13	12:13 AM	58.4	2075492.913
240	4/1/2009 0:13	12:13 AM	53	598578.6945
241	4/1/2009 0:13	12:13 AM	50.5	336605.5363
242	4/1/2009 0:13	12:13 AM	49.4	261289.077
243	4/1/2009 0:13	12:13 AM	49.3	255341.4115
244	4/1/2009 0:13	12:13 AM	48.8	227573.2725
245	4/1/2009 0:13	12:13 AM	47.5	168702.3976
246	4/1/2009 0:13	12:13 AM	46.2	125060.815
247	4/1/2009 0:13	12:13 AM	45.7	111460.5687
248	4/1/2009 0:13	12:13 AM	45.7	111460.5687
249	4/1/2009 0:13	12:13 AM	44.3	80746.04412
250	4/1/2009 0:14	12:14 AM	42.9	58495.33799
251	4/1/2009 0:14	12:14 AM	42.7	55862.6141
252	4/1/2009 0:14	12:14 AM	43.1	61252.13834
253	4/1/2009 0:14	12:14 AM	43.1	61252.13834
254	4/1/2009 0:14	12:14 AM	44	75356.59295
255	4/1/2009 0:14	12:14 AM	43.8	71964.98757
256	4/1/2009 0:14	12:14 AM	44.8	90598.55161
257	4/1/2009 0:14	12:14 AM	46.1	122214.0833
258	4/1/2009 0:14	12:14 AM	45.7	111460.5687
259	4/1/2009 0:14	12:14 AM	44	75356.59295
260	4/1/2009 0:14	12:14 AM	43.1	61252.13834
261	4/1/2009 0:14	12:14 AM	43.8	71964.98757
262	4/1/2009 0:14	12:14 AM	44.4	82626.8611
263	4/1/2009 0:14	12:14 AM	43.6	68726.02958

264	4/1/2009 0:14	12:14 AM	44.4	82626.8611
265	4/1/2009 0:14	12:14 AM	44.9	92708.86298
266	4/1/2009 0:14	12:14 AM	45.1	97078.09708
267	4/1/2009 0:14	12:14 AM	46.2	125060.815
268	4/1/2009 0:14	12:14 AM	45.8	114056.8189
269	4/1/2009 0:14	12:14 AM	46	119432.1512
270	4/1/2009 0:15	12:15 AM	46.1	122214.0833
271	4/1/2009 0:15	12:15 AM	47	150356.1701
272	4/1/2009 0:15	12:15 AM	47.1	153858.4152
273	4/1/2009 0:15	12:15 AM	46.3	127973.8556
274	4/1/2009 0:15	12:15 AM	45.3	101653.2468
275	4/1/2009 0:15	12:15 AM	45.3	101653.2468
276	4/1/2009 0:15	12:15 AM	45.5	106444.0168
277	4/1/2009 0:15	12:15 AM	45.7	111460.5687
278	4/1/2009 0:15	12:15 AM	45.5	106444.0168
279	4/1/2009 0:15	12:15 AM	45.7	111460.5687
280	4/1/2009 0:15	12:15 AM	45.4	104021.0551
281	4/1/2009 0:15	12:15 AM	45.1	97078.09708
282	4/1/2009 0:15	12:15 AM	44.3	80746.04412
283	4/1/2009 0:15	12:15 AM	46.1	122214.0833
284	4/1/2009 0:15	12:15 AM	46.7	140320.5424
285	4/1/2009 0:15	12:15 AM	45.6	108923.4164
286	4/1/2009 0:15	12:15 AM	45.5	106444.0168
287	4/1/2009 0:15	12:15 AM	44.9	92708.86298
288	4/1/2009 0:15	12:15 AM	44.7	88536.2768
289	4/1/2009 0:15	12:15 AM	44.4	82626.8611
290	4/1/2009 0:16	12:16 AM	44	75356.59295
291	4/1/2009 0:16	12:16 AM	43.5	67161.63416
292	4/1/2009 0:16	12:16 AM	43.2	62678.88393
293	4/1/2009 0:16	12:16 AM	44.5	84551.48794
294	4/1/2009 0:16	12:16 AM	44.2	78908.03976
295	4/1/2009 0:16	12:16 AM	43.8	71964.98757
296	4/1/2009 0:16	12:16 AM	43.4	65632.84872
297	4/1/2009 0:16	12:16 AM	42.4	52134.02486
298	4/1/2009 0:16	12:16 AM	44.2	78908.03976
299	4/1/2009 0:16	12:16 AM	45.7	111460.5687
300	4/1/2009 0:16	12:16 AM	46	119432.1512

Noise Level Graph Inputs		
Start	12:01:34 AM	0.001088
End	12:16:28 AM	0.011435
Interval	0:01:00	0.000694

Short-Term Noise Measurement 2 - Park Boulevard- January 10, 2022



24-Hour Noise Measurement Avg Leq, CNEL, and Ldn Calculation Spreadsheet

Instructions

1. Open meter data in Excel.
2. Copy and paste values for into highlighted cells in spreadsheet.

Results	
24-hour average Leq	54.7
CNEL	58.8
Ldn	58.5

Duration (seconds) 240

No.s	Date Time		Date	Time		dB
1	10/22/2001	11:56	10/22/2001	11:56:57 AM		50.5
2	10/22/2001	12:00	10/22/2001	12:00:57 PM		52.7
3	10/22/2001	12:04	10/22/2001	12:04:57 PM		44.7
4	10/22/2001	12:08	10/22/2001	12:08:57 PM		59
5	10/22/2001	12:12	10/22/2001	12:12:57 PM		50.7
6	10/22/2001	12:16	10/22/2001	12:16:57 PM		48.6
7	10/22/2001	12:20	10/22/2001	12:20:57 PM		51
8	10/22/2001	12:24	10/22/2001	12:24:57 PM		52.4
9	10/22/2001	12:28	10/22/2001	12:28:57 PM		48.9
10	10/22/2001	12:32	10/22/2001	12:32:57 PM		50.5
11	10/22/2001	12:36	10/22/2001	12:36:57 PM		50.1
12	10/22/2001	12:40	10/22/2001	12:40:57 PM		48.5
13	10/22/2001	12:44	10/22/2001	12:44:57 PM		54.2
14	10/22/2001	12:48	10/22/2001	12:48:57 PM		54.3
15	10/22/2001	12:52	10/22/2001	12:52:57 PM		50.2
16	10/22/2001	12:56	10/22/2001	12:56:57 PM		55.4
17	10/22/2001	13:00	10/22/2001	1:00:57 PM		56.7
18	10/22/2001	13:04	10/22/2001	1:04:57 PM		55.3
19	10/22/2001	13:08	10/22/2001	1:08:57 PM		59.6
20	10/22/2001	13:12	10/22/2001	1:12:57 PM		59.6
21	10/22/2001	13:16	10/22/2001	1:16:57 PM		57.1
22	10/22/2001	13:20	10/22/2001	1:20:57 PM		58.7
23	10/22/2001	13:24	10/22/2001	1:24:57 PM		53
24	10/22/2001	13:28	10/22/2001	1:28:57 PM		48.7
25	10/22/2001	13:32	10/22/2001	1:32:57 PM		52.2
26	10/22/2001	13:36	10/22/2001	1:36:57 PM		52.1
27	10/22/2001	13:40	10/22/2001	1:40:57 PM		50.7
28	10/22/2001	13:44	10/22/2001	1:44:57 PM		52.9
29	10/22/2001	13:48	10/22/2001	1:48:57 PM		52.3
30	10/22/2001	13:52	10/22/2001	1:52:57 PM		52.5
31	10/22/2001	13:56	10/22/2001	1:56:57 PM		52.6
32	10/22/2001	14:00	10/22/2001	2:00:57 PM		53.2
33	10/22/2001	14:04	10/22/2001	2:04:57 PM		52.2

34	10/22/2001 14:08	10/22/2001	2:08:57 PM	49.6
35	10/22/2001 14:12	10/22/2001	2:12:57 PM	50.2
36	10/22/2001 14:16	10/22/2001	2:16:57 PM	48.9
37	10/22/2001 14:20	10/22/2001	2:20:57 PM	58.9
38	10/22/2001 14:24	10/22/2001	2:24:57 PM	55.6
39	10/22/2001 14:28	10/22/2001	2:28:57 PM	53.4
40	10/22/2001 14:32	10/22/2001	2:32:57 PM	48.3
41	10/22/2001 14:36	10/22/2001	2:36:57 PM	58.4
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44	10/22/2001 14:48	10/22/2001	2:48:57 PM	50.1
45	10/22/2001 14:52	10/22/2001	2:52:57 PM	51.5
46	10/22/2001 14:56	10/22/2001	2:56:57 PM	53.7
47	10/22/2001 15:00	10/22/2001	3:00:57 PM	51.6
48	10/22/2001 15:04	10/22/2001	3:04:57 PM	46
49	10/22/2001 15:08	10/22/2001	3:08:57 PM	48.8
50	10/22/2001 15:12	10/22/2001	3:12:57 PM	49.6
51	10/22/2001 15:16	10/22/2001	3:16:57 PM	49
52	10/22/2001 15:20	10/22/2001	3:20:57 PM	53.3
53	10/22/2001 15:24	10/22/2001	3:24:57 PM	50.8
54	10/22/2001 15:28	10/22/2001	3:28:57 PM	50.3
55	10/22/2001 15:32	10/22/2001	3:32:57 PM	63.3
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57	10/22/2001 15:40	10/22/2001	3:40:57 PM	51.7
58	10/22/2001 15:44	10/22/2001	3:44:57 PM	65.8
59	10/22/2001 15:48	10/22/2001	3:48:57 PM	51.8
60	10/22/2001 15:52	10/22/2001	3:52:57 PM	54.1
61	10/22/2001 15:56	10/22/2001	3:56:57 PM	54.8
62	10/22/2001 16:00	10/22/2001	4:00:57 PM	57
63	10/22/2001 16:04	10/22/2001	4:04:57 PM	49.7
64	10/22/2001 16:08	10/22/2001	4:08:57 PM	53.4
65	10/22/2001 16:12	10/22/2001	4:12:57 PM	50.7
66	10/22/2001 16:16	10/22/2001	4:16:57 PM	51.2
67	10/22/2001 16:20	10/22/2001	4:20:57 PM	63.2
68	10/22/2001 16:24	10/22/2001	4:24:57 PM	48.3
69	10/22/2001 16:28	10/22/2001	4:28:57 PM	57.6
70	10/22/2001 16:32	10/22/2001	4:32:57 PM	50.7
71	10/22/2001 16:36	10/22/2001	4:36:57 PM	48.7
72	10/22/2001 16:40	10/22/2001	4:40:57 PM	53.1
73	10/22/2001 16:44	10/22/2001	4:44:57 PM	52.9
74	10/22/2001 16:48	10/22/2001	4:48:57 PM	54.9
75	10/22/2001 16:52	10/22/2001	4:52:57 PM	54.1
76	10/22/2001 16:56	10/22/2001	4:56:57 PM	57.7
77	10/22/2001 17:00	10/22/2001	5:00:57 PM	54.3
78	10/22/2001 17:04	10/22/2001	5:04:57 PM	47.7
79	10/22/2001 17:08	10/22/2001	5:08:57 PM	48.9
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81	10/22/2001 17:16	10/22/2001	5:16:57 PM	48.3
82	10/22/2001 17:20	10/22/2001	5:20:57 PM	60.2

83	10/22/2001 17:24	10/22/2001	5:24:57 PM	61.1
84	10/22/2001 17:28	10/22/2001	5:28:57 PM	49.7
85	10/22/2001 17:32	10/22/2001	5:32:57 PM	48.3
86	10/22/2001 17:36	10/22/2001	5:36:57 PM	49.8
87	10/22/2001 17:40	10/22/2001	5:40:57 PM	60.5
88	10/22/2001 17:44	10/22/2001	5:44:57 PM	54.5
89	10/22/2001 17:48	10/22/2001	5:48:57 PM	56.2
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91	10/22/2001 17:56	10/22/2001	5:56:57 PM	49.7
92	10/22/2001 18:00	10/22/2001	6:00:57 PM	63
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101	10/22/2001 18:36	10/22/2001	6:36:57 PM	54.2
102	10/22/2001 18:40	10/22/2001	6:40:57 PM	53
103	10/22/2001 18:44	10/22/2001	6:44:57 PM	56
104	10/22/2001 18:48	10/22/2001	6:48:57 PM	59.3
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106	10/22/2001 18:56	10/22/2001	6:56:57 PM	48.6
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126	10/22/2001 20:16	10/22/2001	8:16:57 PM	47
127	10/22/2001 20:20	10/22/2001	8:20:57 PM	48.6
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145	10/22/2001 21:32	10/22/2001	9:32:57 PM	47.9
146	10/22/2001 21:36	10/22/2001	9:36:57 PM	62.4
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151	10/22/2001 21:56	10/22/2001	9:56:57 PM	47
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153	10/22/2001 22:04	10/22/2001	10:04:57 PM	46.8
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176	10/22/2001 23:36	10/22/2001	11:36:57 PM	63.5
177	10/22/2001 23:40	10/22/2001	11:40:57 PM	49.8
178	10/22/2001 23:44	10/22/2001	11:44:57 PM	44.5
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180	10/22/2001 23:52	10/22/2001	11:52:57 PM	47.2

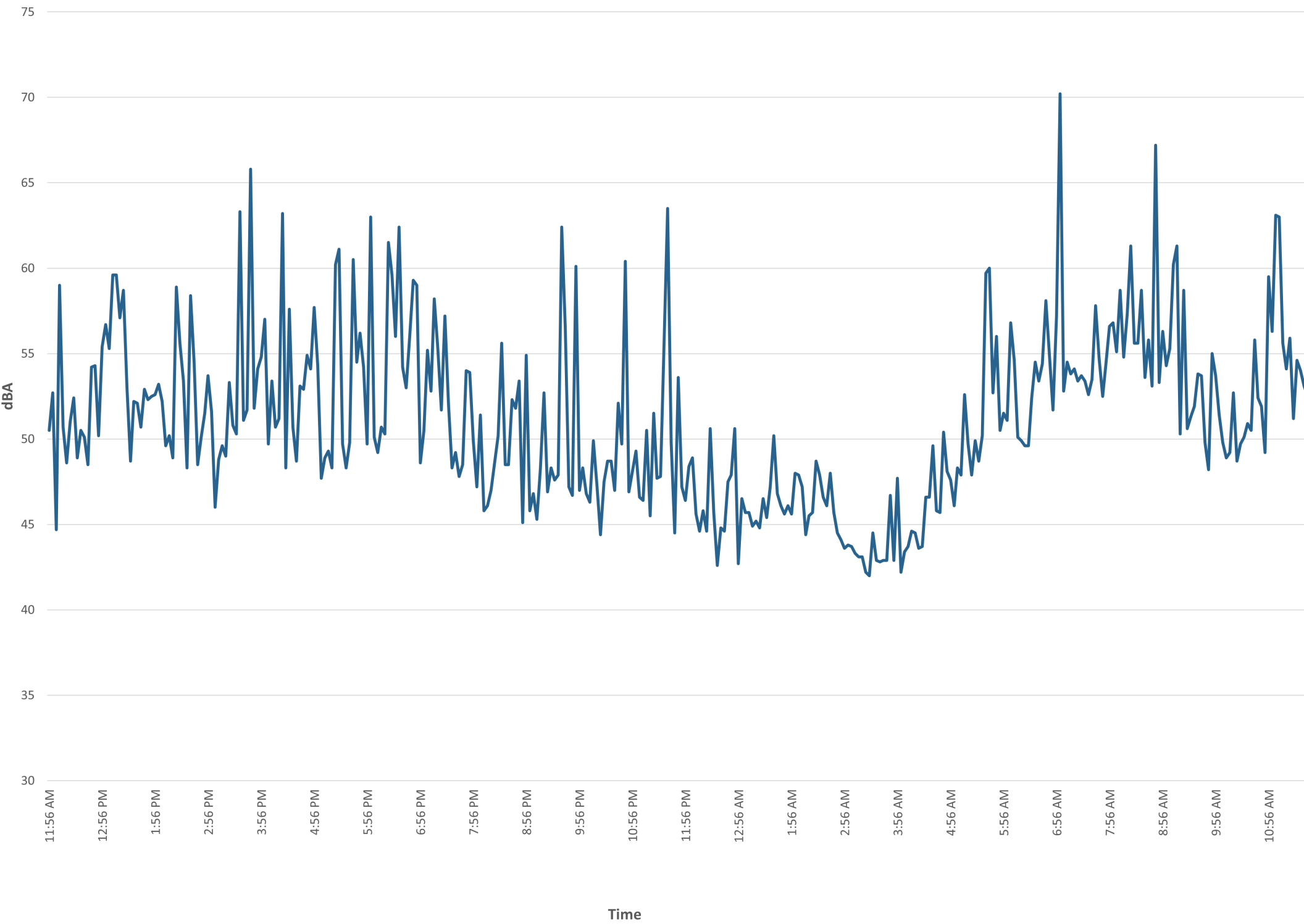
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182	10/23/2001 0:00	10/23/2001	12:00:57 AM	48.4
183	10/23/2001 0:04	10/23/2001	12:04:57 AM	48.9
184	10/23/2001 0:08	10/23/2001	12:08:57 AM	45.6
185	10/23/2001 0:12	10/23/2001	12:12:57 AM	44.6
186	10/23/2001 0:16	10/23/2001	12:16:57 AM	45.8
187	10/23/2001 0:20	10/23/2001	12:20:57 AM	44.6
188	10/23/2001 0:24	10/23/2001	12:24:57 AM	50.6
189	10/23/2001 0:28	10/23/2001	12:28:57 AM	45.7
190	10/23/2001 0:32	10/23/2001	12:32:57 AM	42.6
191	10/23/2001 0:36	10/23/2001	12:36:57 AM	44.8
192	10/23/2001 0:40	10/23/2001	12:40:57 AM	44.6
193	10/23/2001 0:44	10/23/2001	12:44:57 AM	47.5
194	10/23/2001 0:48	10/23/2001	12:48:57 AM	47.9
195	10/23/2001 0:52	10/23/2001	12:52:57 AM	50.6
196	10/23/2001 0:56	10/23/2001	12:56:57 AM	42.7
197	10/23/2001 1:00	10/23/2001	1:00:57 AM	46.5
198	10/23/2001 1:04	10/23/2001	1:04:57 AM	45.7
199	10/23/2001 1:08	10/23/2001	1:08:57 AM	45.7
200	10/23/2001 1:12	10/23/2001	1:12:57 AM	44.9
201	10/23/2001 1:16	10/23/2001	1:16:57 AM	45.2
202	10/23/2001 1:20	10/23/2001	1:20:57 AM	44.8
203	10/23/2001 1:24	10/23/2001	1:24:57 AM	46.5
204	10/23/2001 1:28	10/23/2001	1:28:57 AM	45.4
205	10/23/2001 1:32	10/23/2001	1:32:57 AM	47.2
206	10/23/2001 1:36	10/23/2001	1:36:57 AM	50.2
207	10/23/2001 1:40	10/23/2001	1:40:57 AM	46.8
208	10/23/2001 1:44	10/23/2001	1:44:57 AM	46.1
209	10/23/2001 1:48	10/23/2001	1:48:57 AM	45.6
210	10/23/2001 1:52	10/23/2001	1:52:57 AM	46.1
211	10/23/2001 1:56	10/23/2001	1:56:57 AM	45.6
212	10/23/2001 2:00	10/23/2001	2:00:57 AM	48
213	10/23/2001 2:04	10/23/2001	2:04:57 AM	47.9
214	10/23/2001 2:08	10/23/2001	2:08:57 AM	47.2
215	10/23/2001 2:12	10/23/2001	2:12:57 AM	44.4
216	10/23/2001 2:16	10/23/2001	2:16:57 AM	45.5
217	10/23/2001 2:20	10/23/2001	2:20:57 AM	45.7
218	10/23/2001 2:24	10/23/2001	2:24:57 AM	48.7
219	10/23/2001 2:28	10/23/2001	2:28:57 AM	47.9
220	10/23/2001 2:32	10/23/2001	2:32:57 AM	46.6
221	10/23/2001 2:36	10/23/2001	2:36:57 AM	46.1
222	10/23/2001 2:40	10/23/2001	2:40:57 AM	48
223	10/23/2001 2:44	10/23/2001	2:44:57 AM	45.7
224	10/23/2001 2:48	10/23/2001	2:48:57 AM	44.5
225	10/23/2001 2:52	10/23/2001	2:52:57 AM	44.1
226	10/23/2001 2:56	10/23/2001	2:56:57 AM	43.6
227	10/23/2001 3:00	10/23/2001	3:00:57 AM	43.8
228	10/23/2001 3:04	10/23/2001	3:04:57 AM	43.7
229	10/23/2001 3:08	10/23/2001	3:08:57 AM	43.3

230	10/23/2001 3:12	10/23/2001	3:12:57 AM	43.1
231	10/23/2001 3:16	10/23/2001	3:16:57 AM	43.1
232	10/23/2001 3:20	10/23/2001	3:20:57 AM	42.2
233	10/23/2001 3:24	10/23/2001	3:24:57 AM	42
234	10/23/2001 3:28	10/23/2001	3:28:57 AM	44.5
235	10/23/2001 3:32	10/23/2001	3:32:57 AM	42.9
236	10/23/2001 3:36	10/23/2001	3:36:57 AM	42.8
237	10/23/2001 3:40	10/23/2001	3:40:57 AM	42.9
238	10/23/2001 3:44	10/23/2001	3:44:57 AM	42.9
239	10/23/2001 3:48	10/23/2001	3:48:57 AM	46.7
240	10/23/2001 3:52	10/23/2001	3:52:57 AM	42.9
241	10/23/2001 3:56	10/23/2001	3:56:57 AM	47.7
242	10/23/2001 4:00	10/23/2001	4:00:57 AM	42.2
243	10/23/2001 4:04	10/23/2001	4:04:57 AM	43.4
244	10/23/2001 4:08	10/23/2001	4:08:57 AM	43.7
245	10/23/2001 4:12	10/23/2001	4:12:57 AM	44.6
246	10/23/2001 4:16	10/23/2001	4:16:57 AM	44.5
247	10/23/2001 4:20	10/23/2001	4:20:57 AM	43.6
248	10/23/2001 4:24	10/23/2001	4:24:57 AM	43.7
249	10/23/2001 4:28	10/23/2001	4:28:57 AM	46.6
250	10/23/2001 4:32	10/23/2001	4:32:57 AM	46.6
251	10/23/2001 4:36	10/23/2001	4:36:57 AM	49.6
252	10/23/2001 4:40	10/23/2001	4:40:57 AM	45.8
253	10/23/2001 4:44	10/23/2001	4:44:57 AM	45.7
254	10/23/2001 4:48	10/23/2001	4:48:57 AM	50.4
255	10/23/2001 4:52	10/23/2001	4:52:57 AM	48.1
256	10/23/2001 4:56	10/23/2001	4:56:57 AM	47.6
257	10/23/2001 5:00	10/23/2001	5:00:57 AM	46.1
258	10/23/2001 5:04	10/23/2001	5:04:57 AM	48.3
259	10/23/2001 5:08	10/23/2001	5:08:57 AM	47.9
260	10/23/2001 5:12	10/23/2001	5:12:57 AM	52.6
261	10/23/2001 5:16	10/23/2001	5:16:57 AM	49.7
262	10/23/2001 5:20	10/23/2001	5:20:57 AM	47.9
263	10/23/2001 5:24	10/23/2001	5:24:57 AM	49.9
264	10/23/2001 5:28	10/23/2001	5:28:57 AM	48.7
265	10/23/2001 5:32	10/23/2001	5:32:57 AM	50.2
266	10/23/2001 5:36	10/23/2001	5:36:57 AM	59.7
267	10/23/2001 5:40	10/23/2001	5:40:57 AM	60
268	10/23/2001 5:44	10/23/2001	5:44:57 AM	52.7
269	10/23/2001 5:48	10/23/2001	5:48:57 AM	56
270	10/23/2001 5:52	10/23/2001	5:52:57 AM	50.5
271	10/23/2001 5:56	10/23/2001	5:56:57 AM	51.5
272	10/23/2001 6:00	10/23/2001	6:00:57 AM	51.1
273	10/23/2001 6:04	10/23/2001	6:04:57 AM	56.8
274	10/23/2001 6:08	10/23/2001	6:08:57 AM	54.6
275	10/23/2001 6:12	10/23/2001	6:12:57 AM	50.1
276	10/23/2001 6:16	10/23/2001	6:16:57 AM	49.9
277	10/23/2001 6:20	10/23/2001	6:20:57 AM	49.6
278	10/23/2001 6:24	10/23/2001	6:24:57 AM	49.6

279	10/23/2001 6:28	10/23/2001	6:28:57 AM	52.4
280	10/23/2001 6:32	10/23/2001	6:32:57 AM	54.5
281	10/23/2001 6:36	10/23/2001	6:36:57 AM	53.4
282	10/23/2001 6:40	10/23/2001	6:40:57 AM	54.4
283	10/23/2001 6:44	10/23/2001	6:44:57 AM	58.1
284	10/23/2001 6:48	10/23/2001	6:48:57 AM	54.9
285	10/23/2001 6:52	10/23/2001	6:52:57 AM	51.7
286	10/23/2001 6:56	10/23/2001	6:56:57 AM	57.2
287	10/23/2001 7:00	10/23/2001	7:00:57 AM	70.2
288	10/23/2001 7:04	10/23/2001	7:04:57 AM	52.8
289	10/23/2001 7:08	10/23/2001	7:08:57 AM	54.5
290	10/23/2001 7:12	10/23/2001	7:12:57 AM	53.8
291	10/23/2001 7:16	10/23/2001	7:16:57 AM	54.1
292	10/23/2001 7:20	10/23/2001	7:20:57 AM	53.4
293	10/23/2001 7:24	10/23/2001	7:24:57 AM	53.7
294	10/23/2001 7:28	10/23/2001	7:28:57 AM	53.4
295	10/23/2001 7:32	10/23/2001	7:32:57 AM	52.6
296	10/23/2001 7:36	10/23/2001	7:36:57 AM	53.5
297	10/23/2001 7:40	10/23/2001	7:40:57 AM	57.8
298	10/23/2001 7:44	10/23/2001	7:44:57 AM	54.7
299	10/23/2001 7:48	10/23/2001	7:48:57 AM	52.5
300	10/23/2001 7:52	10/23/2001	7:52:57 AM	54.4
301	10/23/2001 7:56	10/23/2001	7:56:57 AM	56.6
302	10/23/2001 8:00	10/23/2001	8:00:57 AM	56.8
303	10/23/2001 8:04	10/23/2001	8:04:57 AM	55.1
304	10/23/2001 8:08	10/23/2001	8:08:57 AM	58.7
305	10/23/2001 8:12	10/23/2001	8:12:57 AM	54.8
306	10/23/2001 8:16	10/23/2001	8:16:57 AM	57.3
307	10/23/2001 8:20	10/23/2001	8:20:57 AM	61.3
308	10/23/2001 8:24	10/23/2001	8:24:57 AM	55.6
309	10/23/2001 8:28	10/23/2001	8:28:57 AM	55.6
310	10/23/2001 8:32	10/23/2001	8:32:57 AM	58.7
311	10/23/2001 8:36	10/23/2001	8:36:57 AM	53.6
312	10/23/2001 8:40	10/23/2001	8:40:57 AM	55.8
313	10/23/2001 8:44	10/23/2001	8:44:57 AM	53.1
314	10/23/2001 8:48	10/23/2001	8:48:57 AM	67.2
315	10/23/2001 8:52	10/23/2001	8:52:57 AM	53.3
316	10/23/2001 8:56	10/23/2001	8:56:57 AM	56.3
317	10/23/2001 9:00	10/23/2001	9:00:57 AM	54.3
318	10/23/2001 9:04	10/23/2001	9:04:57 AM	55.3
319	10/23/2001 9:08	10/23/2001	9:08:57 AM	60.2
320	10/23/2001 9:12	10/23/2001	9:12:57 AM	61.3
321	10/23/2001 9:16	10/23/2001	9:16:57 AM	50.3
322	10/23/2001 9:20	10/23/2001	9:20:57 AM	58.7
323	10/23/2001 9:24	10/23/2001	9:24:57 AM	50.6
324	10/23/2001 9:28	10/23/2001	9:28:57 AM	51.3
325	10/23/2001 9:32	10/23/2001	9:32:57 AM	51.9
326	10/23/2001 9:36	10/23/2001	9:36:57 AM	53.8
327	10/23/2001 9:40	10/23/2001	9:40:57 AM	53.7

328	10/23/2001 9:44	10/23/2001	9:44:57 AM	49.8
329	10/23/2001 9:48	10/23/2001	9:48:57 AM	48.2
330	10/23/2001 9:52	10/23/2001	9:52:57 AM	55
331	10/23/2001 9:56	10/23/2001	9:56:57 AM	53.7
332	10/23/2001 10:00	10/23/2001	10:00:57 AM	51.4
333	10/23/2001 10:04	10/23/2001	10:04:57 AM	49.8
334	10/23/2001 10:08	10/23/2001	10:08:57 AM	48.9
335	10/23/2001 10:12	10/23/2001	10:12:57 AM	49.2
336	10/23/2001 10:16	10/23/2001	10:16:57 AM	52.7
337	10/23/2001 10:20	10/23/2001	10:20:57 AM	48.7
338	10/23/2001 10:24	10/23/2001	10:24:57 AM	49.7
339	10/23/2001 10:28	10/23/2001	10:28:57 AM	50.1
340	10/23/2001 10:32	10/23/2001	10:32:57 AM	50.9
341	10/23/2001 10:36	10/23/2001	10:36:57 AM	50.5
342	10/23/2001 10:40	10/23/2001	10:40:57 AM	55.8
343	10/23/2001 10:44	10/23/2001	10:44:57 AM	52.4
344	10/23/2001 10:48	10/23/2001	10:48:57 AM	51.9
345	10/23/2001 10:52	10/23/2001	10:52:57 AM	49.2
346	10/23/2001 10:56	10/23/2001	10:56:57 AM	59.5
347	10/23/2001 11:00	10/23/2001	11:00:57 AM	56.3
348	10/23/2001 11:04	10/23/2001	11:04:57 AM	63.1
349	10/23/2001 11:08	10/23/2001	11:08:57 AM	63
350	10/23/2001 11:12	10/23/2001	11:12:57 AM	55.6
351	10/23/2001 11:16	10/23/2001	11:16:57 AM	54.1
352	10/23/2001 11:20	10/23/2001	11:20:57 AM	55.9
353	10/23/2001 11:24	10/23/2001	11:24:57 AM	51.2
354	10/23/2001 11:28	10/23/2001	11:28:57 AM	54.6
355	10/23/2001 11:32	10/23/2001	11:32:57 AM	54
356	10/23/2001 11:36	10/23/2001	11:36:57 AM	53.1
357	10/23/2001 11:40	10/23/2001	11:40:57 AM	52.5
358	10/23/2001 11:44	10/23/2001	11:44:57 AM	53.1
359	10/23/2001 11:48	10/23/2001	11:48:57 AM	51.1
360	10/23/2001 11:52	10/23/2001	11:52:57 AM	53.2

24-Hour Noise Measurement - January 10-11, 2021



Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 03/14/2022
Case Description: 200 Portage Condo Project - Grading

**** Receptor #1 ****

Description	Land Use	Daytime	Baselines (dBA)	
			Evening	Night
Residences	Residential	65.5	55.0	50.0

Description	Impact Device	Usage (%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec	Actual		
			Lmax (dBA)	Lmax (dBA)		
Dozer	No	40		81.7	20.0	0.0
Grader	No	40	85.0		20.0	0.0
Front End Loader	No	40		79.1	20.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Noise Level Data									
Night		Day	Calculated (dBA)		Day Night	Evening			
			Evening						
Equipment	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
Dozer	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total			93.0	91.3	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

200 Portage Condominium Project - HVAC noise

Combined Noise Level (dBA Leq) from 91 HVAC units

of units 91

	dB Value	Sound Pressure		
HVAC unit	21.1	1.17E+04	Sum =	40.7 without shielding effects

Source: Carrier 3-ton 38HDR air conditioner: Product Data

Assumptions:

- 1) Typical HVAC unit for large multi-family or commercial project: Carrier 3-ton 38HDR air conditioner
- 2) 1 HVAC per dwelling unit based on applicant provided information
- 3) 91 dwelling units
- 4) Approx. 91 3-ton HVAC units needed for project building
- 5) Center of site is 310 feet from nearest offsite noise-sensitive receptor
- 6) Sound power level = 72 dB, equivalent to sound pressure level of 54 dBA at 7 feet, without shielding
- 7) All HVAC units operate continuously, day and night

**38HDR
Performance™ Series Air Conditioner
with Puron® Refrigerant
1 – 1/2 to 5 Nominal Tons**



Turn to the Experts.™

Product Data



Performance
SERIES

Carrier's Air Conditioners with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 38HDR has been designed utilizing Carrier's Puron refrigerant. The environmentally sound refrigerant allows you to make a responsible decision in the protection of the earth's ozone layer.

As an Energy Star® Partner, Carrier Corporation has determined that this product meets the Energy Star® guidelines for energy efficiency. Refer to the combination ratings in the Product Data for system combinations that meet Energy Star® guidelines.

NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.

INDUSTRY LEADING FEATURES / BENEFITS

Energy Efficiency

- 13 - 15 SEER/10.9 - 12.5 EER

Sound

- Levels as low as 68 dBA

Design Features

- New aesthetics
- Small footprint, same as old model and "stackable"
- WeatherArmor™ cabinet
 - All steel cabinet construction
 - Baked on powder paint
 - Mesh coil guard

Reliability, Quality and Toughness

- Scroll compressor
- Crankcase Heater standard on sizes 030-060
- Factory-supplied filter drier
- High pressure switch
- Low pressure switch
- Line lengths up to 250' (76.2 m)
- Low ambient operation (down to -20°F/-28.9°C) with low ambient accessories.

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	13
N	N	A	A	A/N	N	N	N	A/N	A/N	A/N	N	N
3	8	H	D	R	0	1	8	A	0	0	3	0

Product Series	HDR = Horizontal Discharge Condensing Unit	Cooling Capacity	Variations	Open	Open	Voltage	Minor Series
38=AC/HP	Major Model	1,000 Btuh Nominal	A=Standard	0=Not Defined	0=Not Defined	3=208/230-1 5=208/230-3 6=460/3	0, 1, 2...



This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow all manufacturing refrigerant charging and air flow instructions. **Failure to confirm proper charge and air flow may reduce energy efficiency and shorten equipment life.**

PHYSICAL DATA

UNIT 38HDR	018	024	030	036	048	060
NOMINAL CAPACITY (Tons)	1.5	2.0	2.50	3.0	4.0	5.0
OPERATING WEIGHT lb (kg)	155 (70.3)	180 (81.6)	200 (90.7)	218 (98.9)	284 (128.8)	294 (133.4)
REFRIGERANT TYPE	R-410A					
METERING DEVICE	TXV					
CHARGE lb (kg)	6.3 (2.86)	6.0 (2.73)	8.7 (3.95)	8.7 (3.95)	11.5 (5.23)	12.0 (5.45)
COMPRESSOR	Scroll					
Type	Scroll					
Oil Charge (POE – oz)	25.0	25.0	25.0	25.0	42.0	42.0
Crankcase Heater (watts)	—	—	40	40	40	40
OUTDOOR FAN	840/1720					
Rpm/Cfm	840/1720	840/1720	850/3900	850/3900	850/3900	850/3900
Diameter in. (mm)	18 (457)	18 (457)	24 (610)	24 (610)	24 (610)	24 (610)
No. Blades	3	3	3	3	3	3
Motor hp (w)	1/8 (93)	1/8 (93)	1/4 (187)	1/4 (187)	1/4 (187)	1/4 (187)
OUTDOOR COIL	5.8					
Face Area (sq ft)	5.8	7.3	12.1	12.1	14.1	14.1
No. Rows	2	2	2	2	2	2
FPI	20	20	20	20	20	20
HIGH PRESSURE SWITCH	420 ± 25					
Cut–In (psig) Cutout (psig)	420 ± 25 650 ± 10	420 ± 25 650 ± 10	420 ± 25 650 ± 10	420 ± 25 650 ± 10	420 ± 25 650 ± 10	420 ± 25 650 ± 10
LOW PRESSURE SWITCH	45 ± 25					
Cut–In (psig) Cutout (psig)	45 ± 25 20 ± 5	45 ± 25 20 ± 5	45 ± 25 20 ± 5	45 ± 25 20 ± 5	45 ± 25 20 ± 5	45 ± 25 20 ± 5
REFRIGERANT LINES	Sweat					
Connection Type	Sweat					
Max. Liquid Line* (in.) OD	3/8	3/8	3/8	3/8	3/8	3/8
Rated Vapor Line† (in.) OD	5/8	5/8	3/4	3/4	7/8	1–1/8**
CONTROLS	24 vac					
Control Voltage‡	24 vac					
System Voltage	208/230 v	208/230 v	208/230 v	208/230 v, Single and 3 Phase, 460 v, 3 Phase		
FINISH	Gray					

* See Liquid Line Sizing For Cooling Only Systems with Puron Refrigerant tables.

† Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.

‡ 24 v and a minimum of 40 va is provided in the fan coil unit.

** Vapor connection size is 7/8 inch.

FPI – Fins Per Inch

POE – Polyol Ester

REFRIGERANT PIPING LENGTH LIMITATIONS

Liquid Line Sizing and Maximum Total Equivalent Lengths† for Cooling Only Systems with Puron® Refrigerant:

The maximum allowable length of a residential split system depends on the liquid line diameter and vertical separation between indoor and outdoor units.

See Table below for liquid line sizing and maximum lengths :

Maximum Total Equivalent Length Outdoor Unit BELOW Indoor Unit

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit BELOW Indoor Vertical Separation ft (m)								
			0-5 (0-1.5)	6-10 (1.8-3.0)	11-20 (3.4-6.1)	21-30 (6.4-9.1)	31-40 (9.4-12.2)	41-50 (12.5-15.2)	51-60 (15.5-18.3)	61-70 (18.6-21.3)	71-80 (21.6-24.4)
018 AC with Puron	3/8	1/4	150	150	125	100	100	75	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	225*	150
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
024 AC with Puron	3/8	1/4	75	75	75	50	50	--	--	--	--
		5/16	250*	250*	250*	250*	250*	225*	175	125	100
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
030 AC with Puron	3/8	1/4	30	--	--	--	--	--	--	--	--
		5/16	175	225*	200	175	125	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
036 AC with Puron	3/8	5/16	175	150	150	100	100	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
048 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	230	160	--
060 AC with Puron	3/8	3/8	250*	250*	250*	225*	190	150	110	--	--

* Maximum actual length not to exceed 200 ft (61 m)

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = outside acceptable range

Maximum Total Equivalent Length Outdoor Unit ABOVE Indoor Unit

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit ABOVE Indoor Vertical Separation ft (m)							
			25 (7.6)	26-50 (7.9-15.2)	51-75 (15.5-22.9)	76-100 (23.2-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-53.3)	176-200 (53.6-61.0)
018 AC with Puron	3/8	1/4	175	250*	250*	250*	250*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
024 AC with Puron	3/8	1/4	100	125	175	200	225*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
030 AC with Puron	3/8	1/4	30	--	--	--	--	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
036 AC with Puron	3/8	5/16	225*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*
048 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*
060 AC with Puron	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*

* Maximum actual length not to exceed 200 ft (61 m)

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = outside acceptable range

38HDR

REFRIGERANT CHARGE ADJUSTMENTS

Liquid Line Size	Puron Charge oz/ft (g/m)
3/8	0.60 (17.74) (Factory charge for lineset = 9 oz / 266.16 g)
5/16	0.40 (11.83)
1/4	0.27 (7.98)

Units are factory charged for 15 ft (4.6 m) of 3/8" liquid line. The factory charge for 3/8" lineset 9 oz (266.16 g). When using other length or diameter liquid lines, charge adjustments are required per the chart above.

Charging Formula:

$[(\text{Lineset oz/ft} \times \text{total length}) - (\text{factory charge for lineset})] = \text{charge adjustment}$

Example 1: System has 15 ft of line set using existing 1/4" liquid line. What charge adjustment is required?

Formula: $(.27 \text{ oz/ft} \times 15\text{ft}) - (9 \text{ oz}) = (-4.95) \text{ oz.}$

Net result is to remove 4.95 oz of refrigerant from the system

Example 2: System has 45 ft of existing 5/16" liquid line. What is the charge adjustment?

Formula: $(.40 \text{ oz/ft.} \times 45\text{ft}) - (9 \text{ oz.}) = 9 \text{ oz.}$

Net result is to add 9 oz of refrigerant to the system

LONG LINE APPLICATIONS

An application is considered Long Line, when the refrigerant level in the system requires the use of accessories to maintain acceptable refrigerant management for systems reliability. See Accessory Usage Guideline table for required accessories. Defining a system as long line depends on the liquid line diameter, actual length of the tubing, and vertical separation between the indoor and outdoor units.

For Air Conditioner systems, the chart below shows when an application is considered Long Line.

AC WITH PURON® REFRIGERANT LONG LINE DESCRIPTION ft (m)

Beyond these lengths, long line accessories are required

Liquid Line Size	Units On Same Level	Outdoor Below Indoor	Outdoor Above Indoor
1/4	No accessories needed within allowed lengths	No accessories needed within allowed lengths	175 (53.3)
5/16	120 (36.6)	50 (15.2) vertical or 120 (36.6) total	120 (36.6)
3/8	80 (24.4)	35 (10.7) vertical or 80 (24.4) total	80 (24.4)

Note: See Long Line Guideline for details

VAPOR LINE SIZING AND COOLING CAPACITY LOSS

Acceptable vapor line diameters provide adequate oil return to the compressor while avoiding excessive capacity loss. The suction line diameters shown in the chart below are acceptable for AC systems with Puron refrigerant:

Vapor Line Sizing and Cooling Capacity Losses — Puron® Refrigerant 1-Stage Air Conditioner Applications

Unit Nominal Size (Btuh)	Maximum Liquid Line Diameters (In. OD)	Vapor Line Diameters (In. OD)	Cooling Capacity Loss (%)								
			Total Equivalent Line Length ft. (m)								
			26–50 (7.9–15.2)	51–80 (15.5–24.4)	81–100 (24.7–30.5)	101–125 (30.8–38.1)	126–150 (38.4–45.7)	151–175 (46.0–53.3)	176–200 (53.6–61.0)	201–225 (61.3–68.6)	226–250 (68.9–76.2)
018 1 Stage AC with Puron	3/8	1/2	1	2	3	5	6	7	8	9	11
		5/8	0	1	1	1	2	2	2	3	3
		3/4	0	0	0	0	1	1	1	1	1
024 1 Stage AC with Puron	3/8	5/8	0	1	2	2	3	3	4	5	5
		3/4	0	0	1	1	1	1	1	2	2
		7/8	0	0	0	0	0	1	1	1	1
030 1 Stage AC with Puron	3/8	5/8	1	2	3	3	4	5	6	7	8
		3/4	0	0	1	1	1	2	2	2	3
		7/8	0	0	0	0	1	1	1	1	1
036 1 Stage AC with Puron	3/8	5/8	1	2	4	5	6	8	9	10	12
		3/4	0	1	1	2	2	3	3	4	4
		7/8	0	0	0	1	1	1	1	2	2
048 1 Stage AC with Puron	3/8	3/4	0	1	2	3	4	5	5	6	7
		7/8	0	0	1	1	2	2	2	3	3
		1 1/8	0	0	0	0	0	0	0	1	1
060 1 Stage AC with Puron	3/8	3/4	1	2	4	5	6	7	9	10	11
		7/8	0	1	2	2	3	4	4	5	5
		1 1/8	0	0	0	1	1	1	1	1	1

Applications in this area may be long line and may have height restrictions. See the *Residential Piping and Long Line Guideline*.

ACCESSORY THERMOSTATS

THERMOSTAT / SUBBASE PKG.	DESCRIPTION
TP-PRH01-A	Programmable Thermidistat
TP-NRH01-A	Non-programmable Thermidistat
TP-PAC01	Performance Series Programmable AC Stat
TP-NAC01	Performance Series Non-programmable AC Stat
TSTATCCSEN01-B	Outdoor Air Temperature Sensor
TSTATXXBBP01	Backplate for Builder's Thermostat
TSTATXXNBP01	Backplate for Non-Programmable Thermostat
TSTATXXBP01	Backplate for Programmable Thermostat
TSTATXXCNV10	Thermostat Conversion Kit (4 to 5 wires) – 10 Pack

ACCESSORIES

KIT NUMBER	KIT NAME	018	024	030	036	048	060
KAACH1401AAA	Crankcase Heater	X	X				
Standard	Crankcase Heater			S	S	S	S
KAAFT0101AAA	Evaporator Freeze Stat	X	X	X	X	X	X
KAATD0101TDR	Time Delay Relay	X	X	X	X	X	X
KAAWS0101AAA	Winter Start Kit (for low ambient)	X	X	X	X	X	X
53DS-900---086	Low Ambient Control (Puron)	X	X	X	X	X	X
53DS-900---070	Wind Baffle	X					
53DS-900---087	Wind Baffle		X				
53DS-900---071	Wind Baffle			X	X		
53DS-900---088	Wind Baffle					X	X
53DS-900---075	Stacking Kit	X	X				
53DS-900---076	Stacking Kit			X	X	X	X
53DS-900---077	Wall Mounting Kit	X	X				
53DS-900---078	Wall Mounting Kit			X	X	X	X

X = Accessory, S = Standard

ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW-AMBIENT COOLING APPLICATIONS (Below 55°F/12.8°C)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 ft. / 24.4 m)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles / 3.2 km)
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Hard Shutoff TXV	Yes	Yes	Yes
Liquid Line Solenoid Valve	No	See Longline Application Guideline	No
Low-ambient Control	Yes	No	No
Winter Start Control	Yes	No	No

* For tubing line sets between 80 and 200 ft. (24.38 and 60.96 m) and/or 35 ft. (10.7 m) vertical differential, refer to Residential Piping and Longline Guideline.

Accessory Description and Usage (Listed Alphabetically)

1. Crankcase Heater

An electric resistance heater which mounts to the base of the compressor to keep the lubricant warm during off cycles. Improves compressor lubrication on restart and minimizes the chance of liquid slugging.

Usage Guideline:

Required in low ambient cooling applications.

Required in long line applications.

Suggested in all commercial applications.

2. Evaporator Freeze Thermostat

An SPST temperature-actuated switch that stops unit operation when evaporator reaches freeze-up conditions.

Usage Guideline:

Required when low ambient kit has been added.

3. Low-Ambient Control

A fan-speed control device activated by a temperature sensor, designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to -20°F (-28.9°C), it maintains condensing temperature at 100°F ±10°F (37.8°C ± 5.5°C).

Usage Guideline:

A Low Ambient Controller must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

Suggested for all commercial applications.

4. Outdoor Air Temperature Sensor

Designed for use with Carrier Thermostats listed in this publication. This device enables the thermostat to display the outdoor temperature. This device also

is required to enable special thermostat features such as auxiliary heat lock out.

Usage Guideline:

Suggested for all Carrier thermostats listed in this publication.

5. Thermostatic Expansion Valve (TXV)

A modulating flow-control valve which meters refrigerant liquid flow rate into the evaporator in response to the superheat of the refrigerant gas leaving the evaporator.

Kit includes valve, adapter tubes, and external equalizer tube. Hard shut off types are available.

NOTE: When using a hard shut off TXV with single phase reciprocating compressors, a Compressor Start Assist Capacitor and Relay is required.

Usage Guideline:

Accessory required to meet ARI rating and system reliability, where indoor not equipped.

Hard shut off TXV or LLS required in air conditioner long line applications.

Required for use on all zoning systems.

6. Time-Delay Relay

An SPST delay relay which briefly continues operation of indoor blower motor to provide additional cooling after the compressor cycles off.

NOTE: Most indoor unit controls include this feature. For those that do not, use the guideline below.

Usage Guideline:

Accessory required to meet ARI rating, where indoor not equipped.

7. Winter Start Control

This control is designed to alleviate nuisance opening of the low-pressure switch by bypassing it for the first 3 minutes of operation.

ELECTRICAL DATA

38HDR UNIT SIZE	V-PH-Hz	VOLTAGE RANGE*		COMPRESSOR		OUTDOOR FAN MOTOR			MIN CKT AMPS	FUSE/CKT BKR AMPS
		Min	Max	RLA	LRA	FLA	NEC Hp	kW Out		
018-31	208/230-1-60	187	253	9.0	48.0	0.8	0.125	0.09	12.1	20
024-32	208/230-1-60	187	253	13.5	58.3	0.8	0.125	0.09	17.7	25
030-31	208/230-1-60	187	253	14.1	73.0	1.5	0.250	0.19	19.1	30
036-31	208/230-1-60	187	253	14.1	77.0	1.5	0.250	0.19	19.1	30
	208/230-3-60	187	253	9.2	71.0	1.5	0.250	0.19	13.0	20
	460-3-60	414	506	5.6	38.0	0.8	0.250	0.19	7.9	10
048-32	208/230-1-60	187	253	19.9	109.0	1.5	0.250	0.19	26.4	40
	208/230-3-60	187	253	13.1	83.1	1.5	0.250	0.19	17.9	25
	460-3-60	414	506	6.1	41.0	0.8	0.250	0.19	8.4	15
060-32	208/230-1-60	187	253	26.4	134.0	1.5	0.250	0.19	34.5	60
	208/230-3-60	187	253	16.0	110.0	1.5	0.250	0.19	21.5	30
	460-3-60	414	506	7.8	52.0	0.8	0.250	0.19	10.6	15

* Permissible limits of the voltage range at which the unit will operate satisfactorily

FLA – Full Load Amps

HACR – Heating, Air Conditioning, Refrigeration

LRA – Locked Rotor Amps

NEC – National Electrical Code

RLA – Rated Load Amps (compressor)

NOTE: Control circuit is 24-V on all units and requires external power source. Copper wire must be used from service disconnect to unit.

All motors/compressors contain internal overload protection.

Complies with 2007 requirements of ASHRAE Standards 90.1

38HDR

A-WEIGHTED SOUND POWER (dBA)

Unit Size	Standard Rating (dBA)	Typical Octave Band Spectrum (dBA) (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018-31	68	52.0	57.5	60.5	63.5	60.5	57.5	46.5
024-32	69	57.5	61.5	63.0	61.0	60.0	56.0	45.0
030-31	72	56.5	63.0	65.0	66.0	64.0	62.5	57.0
036-31	72	65.0	61.5	63.5	65.0	64.5	61.0	54.5
048-32	72	58.5	61.0	64.0	67.5	66.0	64.0	57.0
060-32	72	63.0	61.5	64.0	66.5	66.0	64.5	55.5

NOTE: Tested in accordance with ARI Standard 270-08 (not listed in AHRI).

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE-VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C)
018-31	12 (6.7)
024-32	12 (6.7)
030-31	12 (6.7)
036-31	12 (6.7)
048-32	12 (6.7)
060-32	12 (6.7)

DIMENSIONS - ENGLISH

38HDR

UNIT	SERIES	ELECTRICAL CHARACTERISTICS			A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT(lbs)	SHIPPING WEIGHT(lbs)	SHIPPING DIMENSIONS (L x W x H)		
38HDRQ18	1	X	0	0	25 1/8"	36 15/16"	14 9/16"	16"	23 7/16"	17 3/16"	17 1/8"	22"	13"	6 5/8"	11 1/4"	5/8"	2 15/16"	6"	155	171	42 9/10"	18"	28 1/10"
38HDRQ24	1,2	X	0	0	31 1/8"	36 15/16"	14 9/16"	16"	23 7/16"	17 3/16"	23 1/8"	28"	14"	6 3/4"	11 5/8"	5/8"	2 15/16"	6"	180	198	42 9/10"	18"	34 1/10"
38HDRQ30	1	X	0	0	37 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	29 3/16"	34 1/16"	13 11/16"	8 1/8"	15 7/8"	3/4"	3 7/16"	6 1/2"	200	223	50 1/2"	20 1/2"	40 2/10"
38HDRQ36	1	X	0	X	37 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	29 3/16"	34 1/16"	13 11/16"	8 1/8"	15 7/8"	3/4"	3 7/16"	6 1/2"	218	240	50 1/2"	20 1/2"	40 2/10"
38HDRQ48	1,2	X	0	X	43 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	35 3/16"	40 1/16"	14 1/2"	8 1/2"	18 7/8"	7/8"	3 7/16"	6 1/2"	284	309	50 1/2"	20 1/2"	46 2/10"
38HDRQ60	1,2	X	0	X	43 3/16"	44 9/16"	17 1/16"	18 7/16"	30 1/2"	19 5/8"	35 3/16"	40 1/16"	14 1/2"	8 1/2"	18 7/8"	7/8"	3 7/16"	6 1/2"	294	319	50 1/2"	20 1/2"	46 2/10"

X = YES
0 = NO

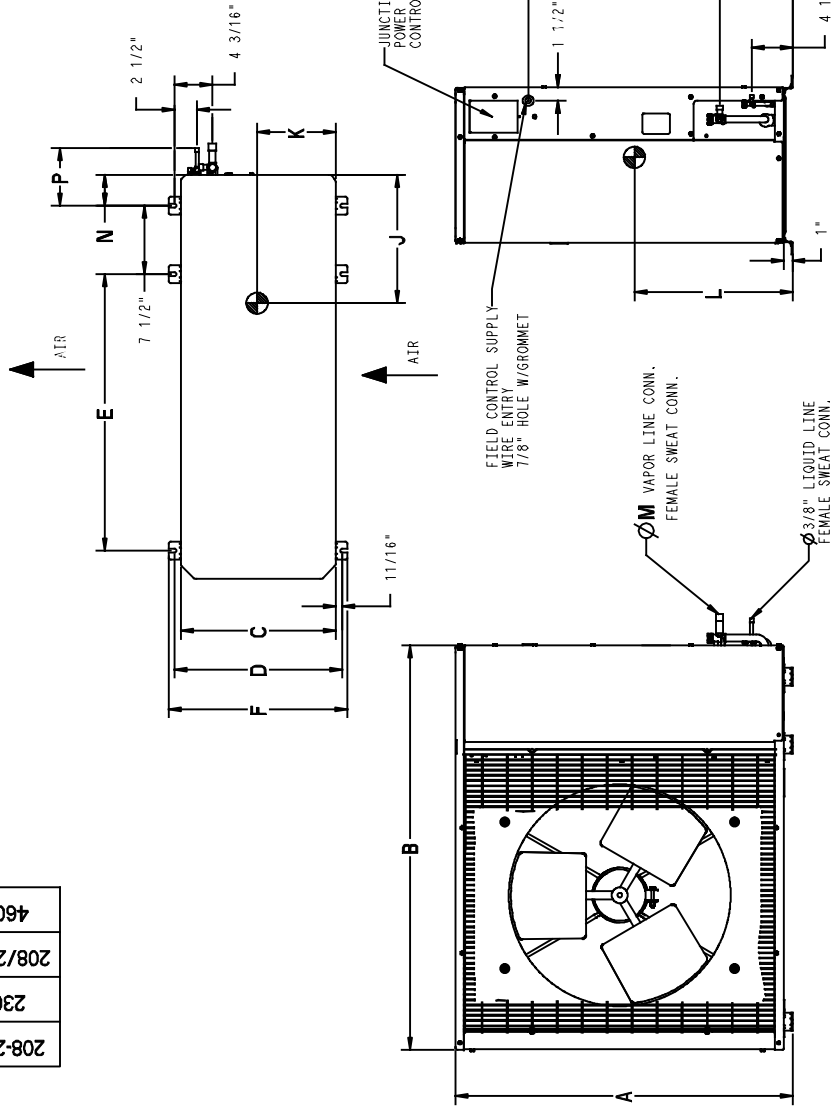
- REQUIRED CLEARANCES: WITH COIL FACING WALL: ALLOW 6" MIN CLEARANCE ON COIL SIDE AND COIL END AND 36" MIN CLEARANCE ON COMPRESSOR END AND FAN SIDE WITH FAN FACING WALL: ALLOW 8" MIN CLEARANCE ON FAN SIDE AND COIL END AND 36" MIN CLEARANCE ON COMPRESSOR END AND COIL SIDE WITH MULTI UNIT APPLICATION: ARRANGE UNITS SO DISCHARGE OF ONE DOES NOT ENTER INLET OF ANOTHER.

- MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55°F, MAX. 125°F.

- SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.

- CENTER OF GRAVITY

- ALL DIMENSIONS ARE IN *INCHES* UNLESS NOTED.



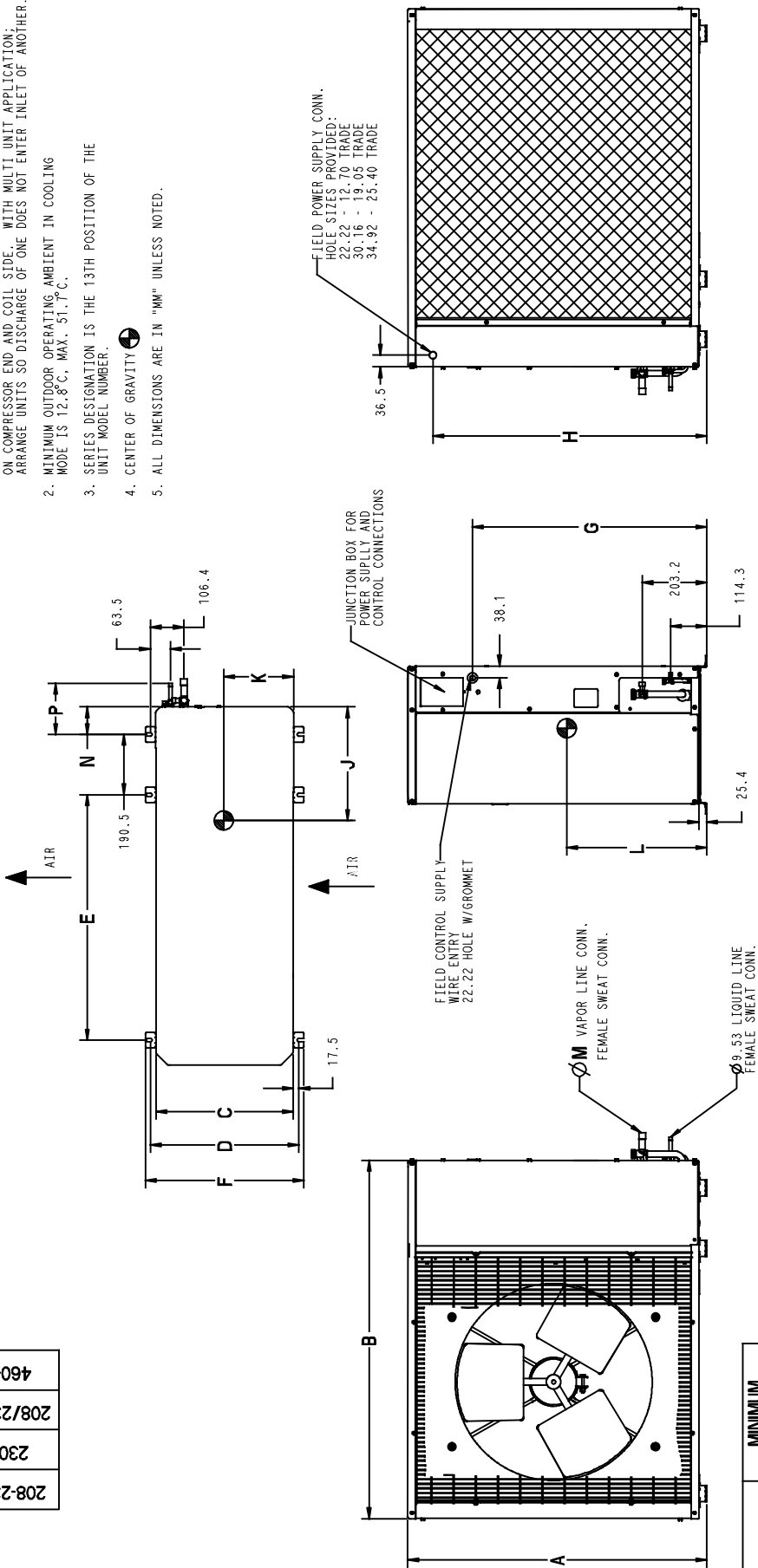
UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18, 24	23" X 42"
30, 36, 48, 60	24" X 50"

DIMENSIONS - SI

UNIT	SERIES	ELECTRICAL CHARACTERISTICS		A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT(KG)	SHIPPING WEIGHT(KG)	SHIPPING DIMENSIONS (L x W x H)	
38HRR018	1	X	0	0	638.2	938.2	369.9	406.4	595.3	436.6	435.0	330.2	168.3	285.8	15.9	74.6	152.4	70.4	77.7	1090.2 X 457.7 X 714.3	
38HRR024	1,2	X	0	0	790.6	938.2	369.9	406.4	595.3	436.6	587.4	355.6	171.5	295.3	15.9	74.6	152.4	81.8	90.0	1090.2 X 457.7 X 866.7	
38HRR030	1	X	0	0	944.6	1131.9	433.4	468.3	774.7	498.5	741.4	347.7	206.4	403.2	19.0	87.3	165.1	90.9	101.4	1282.7 X 520.7 X 1020.7	
38HRR036	1	X	0	X	944.6	1131.9	433.4	468.3	774.7	498.5	741.4	347.7	206.4	403.2	19.0	87.3	165.1	90.9	101.4	1282.7 X 520.7 X 1020.7	
38HRR048	1,2	X	0	X	1097.0	1131.9	433.4	468.3	774.7	498.5	893.8	368.3	215.9	419.4	22.2	87.3	165.1	129.0	140.4	1282.7 X 520.7 X 1173.1	
38HRR060	1,2	X	0	X	1097.0	1131.9	433.4	468.3	774.7	498.5	893.8	368.3	215.9	419.4	22.2	87.3	165.1	133.6	145.0	1282.7 X 520.7 X 1173.1	

X = YES
0 = NO

- REQUIRED CLEARANCES: WITH COIL FACING WALL; ALLOW 152.4 MIN CLEARANCE ON COIL SIDE AND COIL END AND 914.4 MIN CLEARANCE ON COMPRESSOR END AND FAN SIDE. WITH FAN FACING WALL; ALLOW 203.2 MIN CLEARANCE ON FAN SIDE AND COIL END AND 914.4 MIN CLEARANCE ON COMPRESSOR END AND COIL SIDE. WITH MULTI UNIT APPLICATION; ARRANGE UNITS SO DISCHARGE OF ONE DOES NOT ENTER INLET OF ANOTHER.
- MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 12.8 °C, MAX. 51.7 °C.
- SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.
- CENTER OF GRAVITY
- ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18, 24	584.2 X 1066.8
30, 36, 48, 60	609.6 X 1270.0

COMBINATION RATINGS

38HDR

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
1085392	38HDR018-31	†CNPV*1814A**+TDR		17,000	11.0	13.0
1117974	38HDR018-31	40QAC024--3		18,000	11.5	13.0
1085396	38HDR018-31	CAP**1814A**	58CV(A,X)070-12	17,000	11.5	14.0
3015375	38HDR018-31	CAP**1814A**	58PH*045-08	17,000	11.5	14.0
1085394	38HDR018-31	CAP**1814A**+TDR		17,000	10.9	13.0
1085400	38HDR018-31	CAP**2414A**	58CV(A,X)070-12	17,400	11.5	14.0
3015376	38HDR018-31	CAP**2414A**	58PH*045-08	17,400	12.0	14.5
1085398	38HDR018-31	CAP**2414A**+TDR		17,400	11.0	13.0
1085456	38HDR018-31	CAP**2417A**	58CV(A,X)070-12	17,400	11.5	14.0
1085406	38HDR018-31	CAP**2417A**	58CV(A,X)090-16	17,400	11.5	14.0
3112072	38HDR018-31	CAP**2417A**	58MEB040-12	17,400	12.0	14.5
3112073	38HDR018-31	CAP**2417A**	58MEB060-12	17,400	12.0	14.5
1390388	38HDR018-31	CAP**2417A**	58MV(B,C)060-14	17,400	11.5	14.0
1085402	38HDR018-31	CAP**2417A**+TDR		17,400	11.0	13.0
1085432	38HDR018-31	CNPF*2418A**+TDR		17,400	11.0	13.0
1085428	38HDR018-31	CNPH*2417A**	58CV(A,X)070-12	17,400	11.5	14.0
1085430	38HDR018-31	CNPH*2417A**	58CV(A,X)090-16	17,400	11.5	14.0
3112076	38HDR018-31	CNPH*2417A**	58MEB040-12	17,400	12.0	14.5
3112077	38HDR018-31	CNPH*2417A**	58MEB060-12	17,400	12.0	14.5
1390392	38HDR018-31	CNPH*2417A**	58MV(B,C)060-14	17,400	11.5	14.0
1390396	38HDR018-31	CNPH*2417A**	58MV(B,C)080-14	17,400	11.5	14.0
3015379	38HDR018-31	CNPH*2417A**	58PH*045-08	17,400	12.0	14.5
1085420	38HDR018-31	CNPH*2417A**+TDR		17,400	11.0	13.0
1085408	38HDR018-31	CNPV*1814A**	58CV(A,X)070-12	17,000	11.5	14.0
3015377	38HDR018-31	CNPV*1814A**	58PH*045-08	17,000	11.5	14.0
1085412	38HDR018-31	CNPV*2414A**	58CV(A,X)070-12	17,400	11.5	14.0
3015378	38HDR018-31	CNPV*2414A**	58PH*045-08	17,400	12.0	14.5
1085410	38HDR018-31	CNPV*2414A**+TDR		17,400	11.0	13.0
1085458	38HDR018-31	CNPV*2417A**	58CV(A,X)070-12	17,400	11.5	14.0
1085418	38HDR018-31	CNPV*2417A**	58CV(A,X)090-16	17,400	11.5	14.0
3112074	38HDR018-31	CNPV*2417A**	58MEB040-12	17,400	12.0	14.5
3112075	38HDR018-31	CNPV*2417A**	58MEB060-12	17,400	12.0	14.5
1390390	38HDR018-31	CNPV*2417A**	58MV(B,C)060-14	17,400	11.5	14.0
1085414	38HDR018-31	CNPV*2417A**+TDR		17,400	11.0	13.0
1085442	38HDR018-31	CSPH*2412A**	58CV(A,X)070-12	17,400	11.5	14.0
1085444	38HDR018-31	CSPH*2412A**	58CV(A,X)090-16	17,400	11.5	14.0
3112078	38HDR018-31	CSPH*2412A**	58MEB040-12	17,400	12.0	14.5
3112079	38HDR018-31	CSPH*2412A**	58MEB060-12	17,400	12.0	14.5
1390394	38HDR018-31	CSPH*2412A**	58MV(B,C)060-14	17,400	11.5	14.0
1390398	38HDR018-31	CSPH*2412A**	58MV(B,C)080-14	17,400	11.5	14.0
3015380	38HDR018-31	CSPH*2412A**	58PH*045-08	17,400	12.0	14.5
1085434	38HDR018-31	CSPH*2412A**+TDR		17,400	11.0	13.0
1086232	38HDR018-31	FE4ANF002+UI		17,400	11.5	14.0
1085450	38HDR018-31	FF1ENP018		17,400	11.0	13.0
1085452	38HDR018-31	FF1ENP024		17,400	11.0	13.0
1085454	38HDR018-31	FV4BNF002		17,400	11.5	14.0
3404623	38HDR018-31	FV4CNF002		17,400	11.5	14.0
1085446	38HDR018-31	FX4CNF018		17,000	11.5	14.0
1085448	38HDR018-31	FX4CNF024		17,400	11.5	14.0
3465486	38HDR024-32	†CNPV*2414A**+TDR		23,400	11.0	13.0
3465806	38HDR024-32	40QAC024-3		22,800	11.5	13.0
3465488	38HDR024-32	CAP**2414A**	58CV(A,X)070-12	23,400	11.5	14.0
3465489	38HDR024-32	CAP**2414A**	58PH*045-08	23,400	11.5	14.0
3465487	38HDR024-32	CAP**2414A**+TDR		23,400	11.0	13.0
3465492	38HDR024-32	CAP**2417A**	58CV(A,X)090-16	23,400	11.5	14.0
3465493	38HDR024-32	CAP**2417A**	58MEB040-12	23,400	12.0	14.5
3465494	38HDR024-32	CAP**2417A**	58MEB060-12	23,400	12.0	14.5
3465495	38HDR024-32	CAP**2417A**	58MEB080-12	23,400	12.0	14.5
3465491	38HDR024-32	CAP**2417A**	58MV(B,C)060-14	23,400	11.5	14.0
3465490	38HDR024-32	CAP**2417A**+TDR		23,400	11.0	13.0
3465497	38HDR024-32	CAP**3014A**	58CV(A,X)070-12	23,400	11.5	14.0
3465498	38HDR024-32	CAP**3014A**	58PH*045-08	23,600	12.0	14.5
3465496	38HDR024-32	CAP**3014A**+TDR		23,600	11.0	13.0
3465501	38HDR024-32	CAP**3017A**	58CV(A,X)090-16	23,600	11.5	14.0
3465502	38HDR024-32	CAP**3017A**	58MEB040-12	23,600	12.0	14.5
3465503	38HDR024-32	CAP**3017A**	58MEB060-12	23,600	12.0	14.5
3465504	38HDR024-32	CAP**3017A**	58MEB080-12	23,600	12.0	14.5
3465500	38HDR024-32	CAP**3017A**	58MV(B,C)060-14	23,600	11.5	14.0
3465499	38HDR024-32	CAP**3017A**+TDR		23,600	11.0	13.0
3465554	38HDR024-32	CNPF*2418A**+TDR		23,400	11.0	13.0
3465529	38HDR024-32	CNPH*2417A**	58CV(A,X)070-12	23,400	11.5	14.0
3465530	38HDR024-32	CNPH*2417A**	58CV(A,X)090-16	23,400	11.5	14.0
3465531	38HDR024-32	CNPH*2417A**	58CV(A,X)110-20	23,400	11.5	14.0
3465532	38HDR024-32	CNPH*2417A**	58CV(A,X)135-22	23,400	11.5	14.0
3465533	38HDR024-32	CNPH*2417A**	58CV(A,X)155-22	23,400	11.5	14.0
3465535	38HDR024-32	CNPH*2417A**	58MEB040-12	23,400	12.0	14.5
3465536	38HDR024-32	CNPH*2417A**	58MEB060-12	23,400	12.0	14.5
3465537	38HDR024-32	CNPH*2417A**	58MEB080-12	23,400	12.0	14.5

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465524	38HDR024-32	CNPH*2417A**	58MV(B,C)060-14	23,400	11.5	14.0
3465525	38HDR024-32	CNPH*2417A**	58MV(B,C)080-14	23,400	11.5	14.0
3465526	38HDR024-32	CNPH*2417A**	58MV(B,C)080-20	23,200	11.5	14.0
3465527	38HDR024-32	CNPH*2417A**	58MV(B,C)100-20	23,400	11.5	14.0
3465528	38HDR024-32	CNPH*2417A**	58MV(B,C)120-20	23,400	11.5	14.0
3465523	38HDR024-32	CNPH*2417A**	58MVB040-14	23,400	11.5	14.0
3465534	38HDR024-32	CNPH*2417A**	58PH*045-08	23,400	11.5	14.0
3465522	38HDR024-32	CNPH*2417A**+TDR		23,400	11.0	13.0
3465545	38HDR024-32	CNPH*3017A**	58CV(A,X)070-12	23,400	11.5	14.0
3465546	38HDR024-32	CNPH*3017A**	58CV(A,X)090-16	23,600	11.5	14.0
3465547	38HDR024-32	CNPH*3017A**	58CV(A,X)110-20	23,600	11.5	14.0
3465548	38HDR024-32	CNPH*3017A**	58CV(A,X)135-22	23,600	11.5	14.0
3465549	38HDR024-32	CNPH*3017A**	58CV(A,X)155-22	23,600	11.5	14.0
3465551	38HDR024-32	CNPH*3017A**	58MEB040-12	23,600	12.0	14.5
3465552	38HDR024-32	CNPH*3017A**	58MEB060-12	23,600	12.0	14.5
3465553	38HDR024-32	CNPH*3017A**	58MEB080-12	23,600	12.0	14.5
3465540	38HDR024-32	CNPH*3017A**	58MV(B,C)060-14	23,600	11.5	14.0
3465541	38HDR024-32	CNPH*3017A**	58MV(B,C)080-14	23,400	11.5	14.0
3465542	38HDR024-32	CNPH*3017A**	58MV(B,C)080-20	23,400	11.5	14.0
3465543	38HDR024-32	CNPH*3017A**	58MV(B,C)100-20	23,600	11.5	14.0
3465544	38HDR024-32	CNPH*3017A**	58MV(B,C)120-20	23,600	11.5	14.0
3465539	38HDR024-32	CNPH*3017A**	58MVB040-14	23,600	11.5	14.0
3465550	38HDR024-32	CNPH*3017A**	58PH*045-08	23,600	12.0	14.5
3465538	38HDR024-32	CNPH*3017A**+TDR		23,600	11.0	13.0
3465505	38HDR024-32	CNPV*2414A**	58CV(A,X)070-12	23,400	11.5	14.0
3465506	38HDR024-32	CNPV*2414A**	58PH*045-08	23,400	11.5	14.0
3465509	38HDR024-32	CNPV*2417A**	58CV(A,X)090-16	23,400	11.5	14.0
3465510	38HDR024-32	CNPV*2417A**	58MEB040-12	23,400	12.0	14.5
3465511	38HDR024-32	CNPV*2417A**	58MEB060-12	23,400	12.0	14.5
3465512	38HDR024-32	CNPV*2417A**	58MEB080-12	23,400	12.0	14.5
3465508	38HDR024-32	CNPV*2417A**	58MV(B,C)060-14	23,400	11.5	14.0
3465507	38HDR024-32	CNPV*2417A**+TDR		23,400	11.0	13.0
3465514	38HDR024-32	CNPV*3014A**	58CV(A,X)070-12	23,400	11.5	14.0
3465515	38HDR024-32	CNPV*3014A**	58PH*045-08	23,600	11.5	14.0
3465513	38HDR024-32	CNPV*3014A**+TDR		23,600	11.0	13.0
3465518	38HDR024-32	CNPV*3017A**	58CV(A,X)090-16	23,600	11.5	14.0
3465519	38HDR024-32	CNPV*3017A**	58MEB040-12	23,600	12.0	14.5
3465520	38HDR024-32	CNPV*3017A**	58MEB060-12	23,600	12.0	14.5
3465521	38HDR024-32	CNPV*3017A**	58MEB080-12	23,600	12.0	14.5
3465517	38HDR024-32	CNPV*3017A**	58MV(B,C)060-14	23,600	11.5	14.0
3465516	38HDR024-32	CNPV*3017A**+TDR		23,600	11.0	13.0
3465562	38HDR024-32	CSPH*2412A**	58CV(A,X)070-12	23,400	11.5	14.0
3465563	38HDR024-32	CSPH*2412A**	58CV(A,X)090-16	23,400	11.5	14.0
3465564	38HDR024-32	CSPH*2412A**	58CV(A,X)110-20	23,400	11.5	14.0
3465565	38HDR024-32	CSPH*2412A**	58CV(A,X)135-22	23,400	11.5	14.0
3465566	38HDR024-32	CSPH*2412A**	58CV(A,X)155-22	23,400	11.5	14.0
3465568	38HDR024-32	CSPH*2412A**	58MEB040-12	23,400	12.0	14.5
3465569	38HDR024-32	CSPH*2412A**	58MEB060-12	23,400	12.0	14.5
3465570	38HDR024-32	CSPH*2412A**	58MEB080-12	23,400	12.0	14.5
3465557	38HDR024-32	CSPH*2412A**	58MV(B,C)060-14	23,400	11.5	14.0
3465558	38HDR024-32	CSPH*2412A**	58MV(B,C)080-14	23,400	11.5	14.0
3465559	38HDR024-32	CSPH*2412A**	58MV(B,C)080-20	23,400	11.5	14.0
3465560	38HDR024-32	CSPH*2412A**	58MV(B,C)100-20	23,400	11.5	14.0
3465561	38HDR024-32	CSPH*2412A**	58MV(B,C)120-20	23,400	11.5	14.0
3465556	38HDR024-32	CSPH*2412A**	58MVB040-14	23,400	11.5	14.0
3465567	38HDR024-32	CSPH*2412A**	58PH*045-08	23,400	11.5	14.0
3465555	38HDR024-32	CSPH*2412A**+TDR		23,400	11.0	13.0
3465578	38HDR024-32	CSPH*3012A**	58CV(A,X)070-12	23,600	11.5	14.0
3465579	38HDR024-32	CSPH*3012A**	58CV(A,X)090-16	23,600	11.5	14.0
3465580	38HDR024-32	CSPH*3012A**	58CV(A,X)110-20	23,600	11.5	14.0
3465581	38HDR024-32	CSPH*3012A**	58CV(A,X)135-22	23,600	11.5	14.0
3465582	38HDR024-32	CSPH*3012A**	58CV(A,X)155-22	23,600	11.5	14.0
3465584	38HDR024-32	CSPH*3012A**	58MEB040-12	23,600	12.0	14.5
3465585	38HDR024-32	CSPH*3012A**	58MEB060-12	23,600	12.0	14.5
3465586	38HDR024-32	CSPH*3012A**	58MEB080-12	23,600	12.0	14.5
3465573	38HDR024-32	CSPH*3012A**	58MV(B,C)060-14	23,600	11.5	14.0
3465574	38HDR024-32	CSPH*3012A**	58MV(B,C)080-14	23,600	11.5	14.0
3465575	38HDR024-32	CSPH*3012A**	58MV(B,C)080-20	23,400	11.5	14.0
3465576	38HDR024-32	CSPH*3012A**	58MV(B,C)100-20	23,600	11.5	14.0
3465577	38HDR024-32	CSPH*3012A**	58MV(B,C)120-20	23,600	11.5	14.0
3465572	38HDR024-32	CSPH*3012A**	58MVB040-14	23,600	11.5	14.0
3465583	38HDR024-32	CSPH*3012A**	58PH*045-08	23,600	12.0	14.5
3465571	38HDR024-32	CSPH*3012A**+TDR		23,600	11.0	13.0
3465594	38HDR024-32	FE4AN(B,F)003+UI		23,800	12.0	14.5
3465592	38HDR024-32	FE4ANF002+UI		23,600	12.0	14.5
3465596	38HDR024-32	FE5ANB004+UI		24,000	12.0	14.5
3465597	38HDR024-32	FF1ENP024		22,800	11.0	13.0
3465606	38HDR024-32	FF1ENP025		23,400	11.5	14.0
3465600	38HDR024-32	FF1ENP030		23,000	11.0	13.0

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465608	38HDR024-32	FF1ENP031		23,600	11.5	14.0
3465609	38HDR024-32	FF1ENP037		23,800	11.5	14.0
3465603	38HDR024-32	FV4BN(B,F)003		23,800	12.0	14.5
3465601	38HDR024-32	FV4BNF002		23,600	12.0	14.5
3465613	38HDR024-32	FV4CN(B,F)003		23,800	12.0	14.5
3465611	38HDR024-32	FV4CNF002		23,600	12.0	14.5
3465589	38HDR024-32	FX4CNF024		23,400	11.5	14.0
3465590	38HDR024-32	FX4CNF030		23,800	11.5	14.0
3465587	38HDR024-32	FY4ANF024		23,200	11.0	13.0
3465588	38HDR024-32	FY4ANF030		23,600	11.0	13.0
1085620	38HDR030-31	†CNPV*3014A**+TDR		28,000	11.0	13.0
1117978	38HDR030-31	40QAC036-- --3		29,000	12.0	13.0
1085624	38HDR030-31	CAP**3014A**	58CV(A,X)070-12	28,000	11.5	14.0
1085622	38HDR030-31	CAP**3014A**+TDR		28,000	11.0	13.0
1085788	38HDR030-31	CAP**3017A**	58CV(A,X)070-12	28,000	11.5	14.0
1085630	38HDR030-31	CAP**3017A**	58CV(A,X)090-16	28,000	11.5	14.0
3112104	38HDR030-31	CAP**3017A**	58MEB040-12	28,000	12.0	14.5
3112105	38HDR030-31	CAP**3017A**	58MEB060-12	28,000	12.0	14.5
3112106	38HDR030-31	CAP**3017A**	58MEB080-12	28,000	12.0	14.5
3112107	38HDR030-31	CAP**3017A**	58MEB080-16	28,000	12.0	14.5
1390448	38HDR030-31	CAP**3017A**	58MV(B,C)060-14	28,000	11.5	14.0
3015389	38HDR030-31	CAP**3017A**	58PH*070-16	28,000	11.5	14.0
1085626	38HDR030-31	CAP**3017A**+TDR		28,000	11.0	13.0
1085634	38HDR030-31	CAP**3614A**	58CV(A,X)070-12	28,600	11.5	14.0
1085632	38HDR030-31	CAP**3614A**+TDR		28,600	11.0	13.0
1085790	38HDR030-31	CAP**3617A**	58CV(A,X)070-12	28,600	11.5	14.0
1085640	38HDR030-31	CAP**3617A**	58CV(A,X)090-16	28,600	11.5	14.0
3112108	38HDR030-31	CAP**3617A**	58MEB040-12	28,600	12.0	14.5
3112109	38HDR030-31	CAP**3617A**	58MEB060-12	28,600	12.0	14.5
3112110	38HDR030-31	CAP**3617A**	58MEB080-12	28,600	12.0	14.5
3112111	38HDR030-31	CAP**3617A**	58MEB080-16	28,600	12.0	14.5
1390450	38HDR030-31	CAP**3617A**	58MV(B,C)060-14	28,600	11.5	14.0
3015390	38HDR030-31	CAP**3617A**	58PH*070-16	28,600	12.0	14.5
1085636	38HDR030-31	CAP**3617A**+TDR		28,600	11.0	13.0
1085794	38HDR030-31	CAP**3621A**	58CV(A,X)090-16	28,600	11.5	14.0
1085650	38HDR030-31	CAP**3621A**	58CV(A,X)110-20	28,600	11.5	14.0
1390464	38HDR030-31	CAP**3621A**	58MV(B,C)060-14	28,600	11.5	14.0
1390468	38HDR030-31	CAP**3621A**	58MV(B,C)080-14	28,600	11.5	14.0
1390480	38HDR030-31	CAP**3621A**	58MV(B,C)080-20	28,600	11.5	14.0
1390492	38HDR030-31	CAP**3621A**	58MV(B,C)100-20	28,600	11.5	14.0
3015391	38HDR030-31	CAP**3621A**	58PH*090-16	28,600	12.0	14.5
1085642	38HDR030-31	CAP**3621A**+TDR		28,600	11.0	13.0
1085724	38HDR030-31	CNPF*3618A**+TDR		28,600	11.0	13.0
1085690	38HDR030-31	CNPH*3017A**	58CV(A,X)070-12	28,000	11.5	14.0
1085692	38HDR030-31	CNPH*3017A**	58CV(A,X)090-16	28,000	11.5	14.0
1085694	38HDR030-31	CNPH*3017A**	58CV(A,X)110-20	28,000	11.5	14.0
1085696	38HDR030-31	CNPH*3017A**	58CV(A,X)135-22	28,000	11.5	14.0
1085698	38HDR030-31	CNPH*3017A**	58CV(A,X)155-22	28,000	11.5	14.0
3112120	38HDR030-31	CNPH*3017A**	58MEB040-12	28,000	12.0	14.5
3112121	38HDR030-31	CNPH*3017A**	58MEB060-12	28,000	12.0	14.5
3112122	38HDR030-31	CNPH*3017A**	58MEB080-12	28,000	12.0	14.5
3112123	38HDR030-31	CNPH*3017A**	58MEB080-16	28,000	12.0	14.5
1390456	38HDR030-31	CNPH*3017A**	58MV(B,C)060-14	28,000	11.5	14.0
1390472	38HDR030-31	CNPH*3017A**	58MV(B,C)080-14	28,000	11.5	14.0
1390484	38HDR030-31	CNPH*3017A**	58MV(B,C)080-20	28,000	11.5	14.0
1390496	38HDR030-31	CNPH*3017A**	58MV(B,C)100-20	28,000	11.5	14.0
1390504	38HDR030-31	CNPH*3017A**	58MV(B,C)120-20	28,000	11.5	14.0
3015395	38HDR030-31	CNPH*3017A**	58PH*070-16	28,000	11.5	14.0
3015396	38HDR030-31	CNPH*3017A**	58PH*090-16	28,000	11.5	14.0
1085676	38HDR030-31	CNPH*3017A**+TDR		28,000	11.0	13.0
1085714	38HDR030-31	CNPH*3617A**	58CV(A,X)070-12	28,600	11.5	14.0
1085716	38HDR030-31	CNPH*3617A**	58CV(A,X)090-16	28,600	11.5	14.0
1085718	38HDR030-31	CNPH*3617A**	58CV(A,X)110-20	28,600	11.5	14.0
1085720	38HDR030-31	CNPH*3617A**	58CV(A,X)135-22	28,600	11.5	14.0
1085722	38HDR030-31	CNPH*3617A**	58CV(A,X)155-22	28,600	11.5	14.0
3112124	38HDR030-31	CNPH*3617A**	58MEB040-12	28,600	12.0	14.5
3112125	38HDR030-31	CNPH*3617A**	58MEB060-12	28,600	12.0	14.5
3112126	38HDR030-31	CNPH*3617A**	58MEB080-12	28,600	12.0	14.5
3112127	38HDR030-31	CNPH*3617A**	58MEB080-16	28,600	12.0	14.5
1390458	38HDR030-31	CNPH*3617A**	58MV(B,C)060-14	28,600	11.5	14.0
1390474	38HDR030-31	CNPH*3617A**	58MV(B,C)080-14	28,600	11.5	14.0
1390486	38HDR030-31	CNPH*3617A**	58MV(B,C)080-20	28,600	11.5	14.0
1390498	38HDR030-31	CNPH*3617A**	58MV(B,C)100-20	28,600	11.5	14.0
1390506	38HDR030-31	CNPH*3617A**	58MV(B,C)120-20	28,600	11.5	14.0
3015397	38HDR030-31	CNPH*3617A**	58PH*070-16	28,600	12.0	14.5
3015398	38HDR030-31	CNPH*3617A**	58PH*090-16	28,600	12.0	14.5
1085700	38HDR030-31	CNPH*3617A**+TDR		28,600	11.0	13.0
1085652	38HDR030-31	CNPV*3014A**	58CV(A,X)070-12	28,000	11.5	14.0

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
1085796	38HDR030-31	CNPV*3017A**	58CV(A,X)070-12	28,000	11.5	14.0
1085658	38HDR030-31	CNPV*3017A**	58CV(A,X)090-16	28,000	11.5	14.0
3112112	38HDR030-31	CNPV*3017A**	58MEB040-12	28,000	12.0	14.5
3112113	38HDR030-31	CNPV*3017A**	58MEB060-12	28,000	12.0	14.5
3112114	38HDR030-31	CNPV*3017A**	58MEB080-12	28,000	12.0	14.5
3112115	38HDR030-31	CNPV*3017A**	58MEB080-16	28,000	12.0	14.5
1390452	38HDR030-31	CNPV*3017A**	58MV(B,C)060-14	28,000	11.5	14.0
3015392	38HDR030-31	CNPV*3017A**	58PH*070-16	28,000	11.5	14.0
1085654	38HDR030-31	CNPV*3017A**+TDR		28,000	11.0	13.0
1085798	38HDR030-31	CNPV*3617A**	58CV(A,X)070-12	28,600	11.5	14.0
1085664	38HDR030-31	CNPV*3617A**	58CV(A,X)090-16	28,600	11.5	14.0
3112116	38HDR030-31	CNPV*3617A**	58MEB040-12	28,600	12.0	14.5
3112117	38HDR030-31	CNPV*3617A**	58MEB060-12	28,600	12.0	14.5
3112118	38HDR030-31	CNPV*3617A**	58MEB080-12	28,600	12.0	14.5
3112119	38HDR030-31	CNPV*3617A**	58MEB080-16	28,600	12.0	14.5
1390454	38HDR030-31	CNPV*3617A**	58MV(B,C)060-14	28,600	11.5	14.0
3015393	38HDR030-31	CNPV*3617A**	58PH*070-16	28,600	12.0	14.5
1085660	38HDR030-31	CNPV*3617A**+TDR		28,600	11.0	13.0
1085802	38HDR030-31	CNPV*3621A**	58CV(A,X)090-16	28,600	11.5	14.0
1085674	38HDR030-31	CNPV*3621A**	58CV(A,X)110-20	28,600	11.5	14.0
1390466	38HDR030-31	CNPV*3621A**	58MV(B,C)060-14	28,600	11.5	14.0
1390470	38HDR030-31	CNPV*3621A**	58MV(B,C)080-14	28,600	11.5	14.0
1390482	38HDR030-31	CNPV*3621A**	58MV(B,C)080-20	28,600	11.5	14.0
1390494	38HDR030-31	CNPV*3621A**	58MV(B,C)100-20	28,600	11.5	14.0
3015394	38HDR030-31	CNPV*3621A**	58PH*090-16	28,600	12.0	14.5
1085666	38HDR030-31	CNPV*3621A**+TDR		28,600	11.0	13.0
1085740	38HDR030-31	CSPH*3012A**	58CV(A,X)070-12	28,000	11.5	14.0
1085742	38HDR030-31	CSPH*3012A**	58CV(A,X)090-16	28,000	11.5	14.0
1085744	38HDR030-31	CSPH*3012A**	58CV(A,X)110-20	28,000	11.5	14.0
1085746	38HDR030-31	CSPH*3012A**	58CV(A,X)135-22	28,000	11.5	14.0
1085748	38HDR030-31	CSPH*3012A**	58CV(A,X)155-22	28,000	11.5	14.0
3112128	38HDR030-31	CSPH*3012A**	58MEB040-12	28,000	12.0	14.5
3112129	38HDR030-31	CSPH*3012A**	58MEB060-12	28,000	12.0	14.5
3112130	38HDR030-31	CSPH*3012A**	58MEB080-12	28,000	12.0	14.5
3112131	38HDR030-31	CSPH*3012A**	58MEB080-16	28,000	12.0	14.5
1390460	38HDR030-31	CSPH*3012A**	58MV(B,C)060-14	28,000	11.5	14.0
1390476	38HDR030-31	CSPH*3012A**	58MV(B,C)080-14	28,000	11.5	14.0
1390488	38HDR030-31	CSPH*3012A**	58MV(B,C)080-20	28,000	11.5	14.0
1390500	38HDR030-31	CSPH*3012A**	58MV(B,C)100-20	28,000	11.5	14.0
1390508	38HDR030-31	CSPH*3012A**	58MV(B,C)120-20	28,000	11.5	14.0
3015399	38HDR030-31	CSPH*3012A**	58PH*070-16	28,000	11.5	14.0
3015400	38HDR030-31	CSPH*3012A**	58PH*090-16	28,000	11.5	14.0
1085726	38HDR030-31	CSPH*3012A**+TDR		28,000	11.0	13.0
1085764	38HDR030-31	CSPH*3612A**	58CV(A,X)070-12	28,600	11.5	14.0
1085766	38HDR030-31	CSPH*3612A**	58CV(A,X)090-16	28,600	11.5	14.0
1085768	38HDR030-31	CSPH*3612A**	58CV(A,X)110-20	28,600	11.5	14.0
1085770	38HDR030-31	CSPH*3612A**	58CV(A,X)135-22	28,600	11.5	14.0
1085772	38HDR030-31	CSPH*3612A**	58CV(A,X)155-22	28,600	11.5	14.0
3112132	38HDR030-31	CSPH*3612A**	58MEB040-12	28,600	12.0	14.5
3112133	38HDR030-31	CSPH*3612A**	58MEB060-12	28,600	12.0	14.5
3112134	38HDR030-31	CSPH*3612A**	58MEB080-12	28,600	12.0	14.5
3112135	38HDR030-31	CSPH*3612A**	58MEB080-16	28,600	12.0	14.5
1390462	38HDR030-31	CSPH*3612A**	58MV(B,C)060-14	28,600	11.5	14.0
1390478	38HDR030-31	CSPH*3612A**	58MV(B,C)080-14	28,600	11.5	14.0
1390490	38HDR030-31	CSPH*3612A**	58MV(B,C)080-20	28,600	11.5	14.0
1390502	38HDR030-31	CSPH*3612A**	58MV(B,C)100-20	28,600	11.5	14.0
1390510	38HDR030-31	CSPH*3612A**	58MV(B,C)120-20	28,600	11.5	14.0
3015401	38HDR030-31	CSPH*3612A**	58PH*070-16	28,600	12.0	14.5
3015402	38HDR030-31	CSPH*3612A**	58PH*090-16	28,600	12.0	14.5
1085750	38HDR030-31	CSPH*3612A**+TDR		28,600	11.0	13.0
1086240	38HDR030-31	FE4AN(B,F)003+UI		28,600	11.5	14.0
1086242	38HDR030-31	FE4AN(B,F)005+UI		29,000	12.5	15.0
1086238	38HDR030-31	FE4ANF002+UI		28,600	11.5	14.0
1085782	38HDR030-31	FF1ENP030		28,000	11.0	13.0
1085784	38HDR030-31	FF1ENP036		28,600	11.0	13.0
1085786	38HDR030-31	FV4BNF002		28,600	11.5	14.0
3404625	38HDR030-31	FV4CNF002		28,600	11.5	14.0
1085780	38HDR030-31	FX4CN(B,F)036		28,600	11.5	14.0
1085778	38HDR030-31	FX4CNF030		28,000	11.5	14.0
1085774	38HDR030-31	FY4ANF030		28,000	11.0	13.0
1085776	38HDR030-31	FY4ANF036		28,600	11.0	13.0
1085804	38HDR036-31	†CNPV*4221A**+TDR		33,400	11.0	13.0
1117980	38HDR036-31	40QAC036---3		33,000	11.4	13.0
1085808	38HDR036-31	CAP**3614A**	58CV(A,X)070-12	32,600	11.5	13.5
3015403	38HDR036-31	CAP**3614A**	58PH*045-08	33,000	11.5	14.0
1085806	38HDR036-31	CAP**3614A**+TDR		32,600	11.0	13.0
1085982	38HDR036-31	CAP**3617A**	58CV(A,X)070-12	33,000	11.5	14.0
1085814	38HDR036-31	CAP**3617A**	58CV(A,X)090-16	33,000	11.5	14.0

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3112136	38HDR036-31	CAP**3617A**	58MEB040-12	33,000	12.0	14.5
3112137	38HDR036-31	CAP**3617A**	58MEB060-12	33,000	12.0	14.5
3112138	38HDR036-31	CAP**3617A**	58MEB080-12	33,000	12.0	14.5
3112139	38HDR036-31	CAP**3617A**	58MEB080-16	33,000	12.0	14.5
1390512	38HDR036-31	CAP**3617A**	58MV(B,C)060-14	33,000	11.5	13.5
3015404	38HDR036-31	CAP**3617A**	58PH*070-16	33,000	11.5	14.0
1085810	38HDR036-31	CAP**3617A**+TDR		33,000	11.0	13.0
1085986	38HDR036-31	CAP**3621A**	58CV(A,X)090-16	33,000	11.5	14.0
1085824	38HDR036-31	CAP**3621A**	58CV(A,X)110-20	33,000	11.5	14.0
3112140	38HDR036-31	CAP**3621A**	58MEB100-20	33,000	12.0	14.5
1390524	38HDR036-31	CAP**3621A**	58MV(B,C)060-14	33,000	11.5	14.0
1390532	38HDR036-31	CAP**3621A**	58MV(B,C)080-14	33,000	11.5	13.5
1390550	38HDR036-31	CAP**3621A**	58MV(B,C)080-20	33,000	11.5	13.5
1390568	38HDR036-31	CAP**3621A**	58MV(B,C)100-20	33,000	11.5	14.0
3015405	38HDR036-31	CAP**3621A**	58PH*090-16	33,000	12.0	14.5
3015406	38HDR036-31	CAP**3621A**	58PH*110-20	33,000	12.0	14.5
1085816	38HDR036-31	CAP**3621A**+TDR		33,000	11.0	13.0
1085990	38HDR036-31	CAP**4221A**	58CV(A,X)090-16	33,400	11.5	14.0
1085834	38HDR036-31	CAP**4221A**	58CV(A,X)110-20	33,400	11.5	14.0
3112141	38HDR036-31	CAP**4221A**	58MEB100-20	33,400	12.0	14.5
1390526	38HDR036-31	CAP**4221A**	58MV(B,C)060-14	33,400	11.5	14.0
1390534	38HDR036-31	CAP**4221A**	58MV(B,C)080-14	33,400	11.5	13.5
1390552	38HDR036-31	CAP**4221A**	58MV(B,C)080-20	33,400	11.5	14.0
1390570	38HDR036-31	CAP**4221A**	58MV(B,C)100-20	33,400	11.5	14.0
3015407	38HDR036-31	CAP**4221A**	58PH*090-16	33,400	12.0	14.5
3015408	38HDR036-31	CAP**4221A**	58PH*110-20	33,400	12.0	14.5
1085826	38HDR036-31	CAP**4221A**+TDR		33,400	11.0	13.0
1085998	38HDR036-31	CAP**4224A**	58CV(A,X)110-20	33,400	11.5	14.0
1085842	38HDR036-31	CAP**4224A**	58CV(A,X)135-22	33,400	11.5	14.0
1085844	38HDR036-31	CAP**4224A**	58CV(A,X)155-22	33,400	11.5	14.0
1390548	38HDR036-31	CAP**4224A**	58MV(B,C)080-14	33,400	11.5	14.0
1390566	38HDR036-31	CAP**4224A**	58MV(B,C)080-20	33,400	11.5	14.0
1390584	38HDR036-31	CAP**4224A**	58MV(B,C)100-20	33,400	11.5	14.0
1390586	38HDR036-31	CAP**4224A**	58MV(B,C)120-20	33,400	11.5	13.5
1085836	38HDR036-31	CAP**4224A**+TDR		33,400	11.0	13.0
1085918	38HDR036-31	CNPF*3618A**+TDR		33,000	11.0	13.0
1085884	38HDR036-31	CNPH*3617A**	58CV(A,X)070-12	33,000	11.5	13.5
1085886	38HDR036-31	CNPH*3617A**	58CV(A,X)090-16	33,000	11.5	13.5
1085888	38HDR036-31	CNPH*3617A**	58CV(A,X)110-20	33,000	11.5	13.5
1085890	38HDR036-31	CNPH*3617A**	58CV(A,X)135-22	33,000	11.5	13.5
1085892	38HDR036-31	CNPH*3617A**	58CV(A,X)155-22	33,000	11.5	14.0
3112156	38HDR036-31	CNPH*3617A**	58MEB040-12	33,000	12.0	14.5
3112157	38HDR036-31	CNPH*3617A**	58MEB060-12	33,000	12.0	14.5
3112158	38HDR036-31	CNPH*3617A**	58MEB080-12	33,000	12.0	14.5
3112159	38HDR036-31	CNPH*3617A**	58MEB080-16	33,000	12.0	14.5
3112160	38HDR036-31	CNPH*3617A**	58MEB100-20	33,000	12.0	14.5
1390516	38HDR036-31	CNPH*3617A**	58MV(B,C)060-14	33,000	11.5	13.5
1390540	38HDR036-31	CNPH*3617A**	58MV(B,C)080-14	33,000	11.5	13.5
1390558	38HDR036-31	CNPH*3617A**	58MV(B,C)080-20	33,000	11.5	13.5
1390576	38HDR036-31	CNPH*3617A**	58MV(B,C)100-20	33,000	11.5	13.5
1390588	38HDR036-31	CNPH*3617A**	58MV(B,C)120-20	33,000	11.5	13.5
3015414	38HDR036-31	CNPH*3617A**	58PH*045-08	33,000	11.5	14.0
3015415	38HDR036-31	CNPH*3617A**	58PH*070-16	33,000	11.5	14.0
3015416	38HDR036-31	CNPH*3617A**	58PH*090-16	33,000	12.0	14.5
3015417	38HDR036-31	CNPH*3617A**	58PH*110-20	33,000	12.0	14.5
1085870	38HDR036-31	CNPH*3617A**+TDR		33,000	11.0	13.0
1085908	38HDR036-31	CNPH*4221A**	58CV(A,X)070-12	33,400	11.5	14.0
1085910	38HDR036-31	CNPH*4221A**	58CV(A,X)090-16	33,400	11.5	14.5
1085912	38HDR036-31	CNPH*4221A**	58CV(A,X)110-20	33,400	11.5	14.5
1085914	38HDR036-31	CNPH*4221A**	58CV(A,X)135-22	33,400	11.5	14.5
1085916	38HDR036-31	CNPH*4221A**	58CV(A,X)155-22	33,400	11.5	14.5
3112161	38HDR036-31	CNPH*4221A**	58MEB040-12	33,400	12.0	14.5
3112162	38HDR036-31	CNPH*4221A**	58MEB060-12	33,400	12.0	14.5
3112163	38HDR036-31	CNPH*4221A**	58MEB080-12	33,400	12.0	14.5
3112164	38HDR036-31	CNPH*4221A**	58MEB080-16	33,400	12.0	14.5
3112165	38HDR036-31	CNPH*4221A**	58MEB100-20	33,400	12.0	14.5
1390518	38HDR036-31	CNPH*4221A**	58MV(B,C)060-14	33,400	11.5	14.0
1390542	38HDR036-31	CNPH*4221A**	58MV(B,C)080-14	33,400	11.5	14.0
1390560	38HDR036-31	CNPH*4221A**	58MV(B,C)080-20	33,400	11.5	14.0
1390578	38HDR036-31	CNPH*4221A**	58MV(B,C)100-20	33,400	11.5	14.0
1390590	38HDR036-31	CNPH*4221A**	58MV(B,C)120-20	33,400	11.5	14.5
3015418	38HDR036-31	CNPH*4221A**	58PH*045-08	33,400	11.5	14.0
3015419	38HDR036-31	CNPH*4221A**	58PH*070-16	33,400	11.5	14.0
3015420	38HDR036-31	CNPH*4221A**	58PH*090-16	33,400	12.0	14.5
3015421	38HDR036-31	CNPH*4221A**	58PH*110-20	33,400	12.0	14.5
1085894	38HDR036-31	CNPH*4221A**+TDR		33,400	11.0	13.0
1086000	38HDR036-31	CNPV*3617A**	58CV(A,X)070-12	33,000	11.5	14.0
1085850	38HDR036-31	CNPV*3617A**	58CV(A,X)090-16	33,000	11.5	13.5
3112142	38HDR036-31	CNPV*3617A**	58MEB040-12	33,000	12.0	14.5

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3112143	38HDR036-31	CNPV*3617A**	58MEB060-12	33,000	12.0	14.5
3112144	38HDR036-31	CNPV*3617A**	58MEB080-12	33,000	12.0	14.5
3112145	38HDR036-31	CNPV*3617A**	58MEB080-16	33,000	12.0	14.5
1390514	38HDR036-31	CNPV*3617A**	58MV(B,C)060-14	33,000	11.5	13.5
3015409	38HDR036-31	CNPV*3617A**	58PH*070-16	33,000	11.5	14.0
1085846	38HDR036-31	CNPV*3617A**+TDR		33,000	11.0	13.0
1086004	38HDR036-31	CNPV*3621A**	58CV(A,X)090-16	33,000	11.5	14.5
1085860	38HDR036-31	CNPV*3621A**	58CV(A,X)110-20	33,000	11.5	13.5
3112146	38HDR036-31	CNPV*3621A**	58MEB100-20	33,000	12.0	14.5
1390528	38HDR036-31	CNPV*3621A**	58MV(B,C)060-14	33,000	11.5	14.5
1390536	38HDR036-31	CNPV*3621A**	58MV(B,C)080-14	33,000	11.5	13.5
1390554	38HDR036-31	CNPV*3621A**	58MV(B,C)080-20	33,000	11.5	13.5
1390572	38HDR036-31	CNPV*3621A**	58MV(B,C)100-20	33,000	11.5	13.5
3015410	38HDR036-31	CNPV*3621A**	58PH*090-16	33,000	12.0	14.5
3015411	38HDR036-31	CNPV*3621A**	58PH*110-20	33,000	12.0	14.5
1085852	38HDR036-31	CNPV*3621A**+TDR		33,000	11.0	13.0
3112149	38HDR036-31	CNPV*4217A**	58CV(A,X)090-16	33,400	12.0	14.5
3112151	38HDR036-31	CNPV*4217A**	58MEB040-12	33,400	12.0	14.5
3112152	38HDR036-31	CNPV*4217A**	58MEB060-12	33,400	12.0	14.5
3112153	38HDR036-31	CNPV*4217A**	58MEB080-12	33,400	12.0	14.5
3112154	38HDR036-31	CNPV*4217A**	58MEB080-16	33,400	12.0	14.5
3112148	38HDR036-31	CNPV*4217A**	58MV(B,C)060-14	33,400	12.0	14.5
3112150	38HDR036-31	CNPV*4217A**	58PH*070-16	33,400	12.0	14.5
3112147	38HDR036-31	CNPV*4217A**+TDR		33,400	11.0	13.0
1086008	38HDR036-31	CNPV*4221A**	58CV(A,X)090-16	33,400	11.5	14.5
1085868	38HDR036-31	CNPV*4221A**	58CV(A,X)110-20	33,400	11.5	14.5
3112155	38HDR036-31	CNPV*4221A**	58MEB100-20	33,400	12.0	14.5
1390530	38HDR036-31	CNPV*4221A**	58MV(B,C)060-14	33,400	11.5	14.5
1390538	38HDR036-31	CNPV*4221A**	58MV(B,C)080-14	33,400	11.5	14.0
1390556	38HDR036-31	CNPV*4221A**	58MV(B,C)080-20	33,400	11.5	14.0
1390574	38HDR036-31	CNPV*4221A**	58MV(B,C)100-20	33,400	11.5	14.0
3015412	38HDR036-31	CNPV*4221A**	58PH*090-16	33,400	12.0	14.5
3015413	38HDR036-31	CNPV*4221A**	58PH*110-20	33,400	12.0	14.5
1085934	38HDR036-31	CSPH*3612A**	58CV(A,X)070-12	33,000	11.5	14.0
1085936	38HDR036-31	CSPH*3612A**	58CV(A,X)090-16	33,000	11.5	14.5
1085938	38HDR036-31	CSPH*3612A**	58CV(A,X)110-20	33,000	11.5	14.5
1085940	38HDR036-31	CSPH*3612A**	58CV(A,X)135-22	33,000	11.5	14.5
1085942	38HDR036-31	CSPH*3612A**	58CV(A,X)155-22	33,000	11.5	14.5
3112166	38HDR036-31	CSPH*3612A**	58MEB040-12	33,000	12.0	14.5
3112167	38HDR036-31	CSPH*3612A**	58MEB060-12	33,000	12.0	14.5
3112168	38HDR036-31	CSPH*3612A**	58MEB080-12	33,000	12.0	14.5
3112169	38HDR036-31	CSPH*3612A**	58MEB080-16	33,000	12.0	14.5
3112170	38HDR036-31	CSPH*3612A**	58MEB100-20	33,000	12.0	14.5
1390520	38HDR036-31	CSPH*3612A**	58MV(B,C)060-14	33,000	11.5	14.5
1390544	38HDR036-31	CSPH*3612A**	58MV(B,C)080-14	33,000	11.5	14.0
1390562	38HDR036-31	CSPH*3612A**	58MV(B,C)080-20	33,000	11.5	14.0
1390580	38HDR036-31	CSPH*3612A**	58MV(B,C)100-20	33,000	11.5	14.5
1390592	38HDR036-31	CSPH*3612A**	58MV(B,C)120-20	33,000	11.5	14.5
3015422	38HDR036-31	CSPH*3612A**	58PH*045-08	33,000	11.5	14.0
3015423	38HDR036-31	CSPH*3612A**	58PH*070-16	33,000	11.5	14.0
3015424	38HDR036-31	CSPH*3612A**	58PH*090-16	33,000	12.0	14.5
3015425	38HDR036-31	CSPH*3612A**	58PH*110-20	33,000	12.0	14.5
1085920	38HDR036-31	CSPH*3612A**+TDR		33,000	11.0	13.0
1085958	38HDR036-31	CSPH*4212A**	58CV(A,X)070-12	33,400	11.5	14.0
1085960	38HDR036-31	CSPH*4212A**	58CV(A,X)090-16	33,400	11.5	14.5
1085962	38HDR036-31	CSPH*4212A**	58CV(A,X)110-20	33,400	11.5	14.5
1085964	38HDR036-31	CSPH*4212A**	58CV(A,X)135-22	33,400	11.5	14.5
1085966	38HDR036-31	CSPH*4212A**	58CV(A,X)155-22	33,400	11.5	14.5
3112171	38HDR036-31	CSPH*4212A**	58MEB040-12	33,400	12.0	14.5
3112172	38HDR036-31	CSPH*4212A**	58MEB060-12	33,400	12.0	14.5
3112173	38HDR036-31	CSPH*4212A**	58MEB080-12	33,400	12.0	14.5
3112174	38HDR036-31	CSPH*4212A**	58MEB080-16	33,400	12.0	14.5
3112175	38HDR036-31	CSPH*4212A**	58MEB100-20	33,400	12.0	14.5
1390522	38HDR036-31	CSPH*4212A**	58MV(B,C)060-14	33,400	11.5	14.0
1390546	38HDR036-31	CSPH*4212A**	58MV(B,C)080-14	33,400	11.5	14.0
1390564	38HDR036-31	CSPH*4212A**	58MV(B,C)080-20	33,400	11.5	14.0
1390582	38HDR036-31	CSPH*4212A**	58MV(B,C)100-20	33,400	11.5	14.0
1390594	38HDR036-31	CSPH*4212A**	58MV(B,C)120-20	33,400	11.5	14.0
3015426	38HDR036-31	CSPH*4212A**	58PH*045-08	33,400	11.5	14.0
3015427	38HDR036-31	CSPH*4212A**	58PH*070-16	33,400	11.5	14.0
3015428	38HDR036-31	CSPH*4212A**	58PH*090-16	33,400	12.0	14.5
3015429	38HDR036-31	CSPH*4212A**	58PH*110-20	33,400	12.0	14.5
1085944	38HDR036-31	CSPH*4212A**+TDR		33,400	11.0	13.0
1086246	38HDR036-31	FE4AN(B,F)003+UI		33,000	11.5	14.0
1086248	38HDR036-31	FE4AN(B,F)005+UI		33,400	12.5	15.0
1086250	38HDR036-31	FE4ANB006+UI		33,400	12.5	15.0
1086244	38HDR036-31	FE4ANF002+UI		33,000	11.5	13.5
1085976	38HDR036-31	FF1ENP036		33,000	11.0	13.0
1085980	38HDR036-31	FV4BNB006		33,400	12.5	15.0

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
1085978	38HDR036-31	FV4BNF002		33,000	11.5	13.5
3404627	38HDR036-31	FV4CNB006		33,400	12.5	15.0
3404626	38HDR036-31	FV4CNF002		33,000	11.5	13.5
1085972	38HDR036-31	FX4CN(B,F)036		33,000	11.5	14.0
1085974	38HDR036-31	FX4CN(B,F)042		33,400	11.5	14.0
1085968	38HDR036-31	FY4ANF036		33,000	11.0	13.0
1085970	38HDR036-31	FY4ANF042		33,400	11.0	13.0
1117042	38HDR036-51	†CNPV*4221A**+TDR		33,400	11.0	13.0
1117982	38HDR036-51	40QAC036--3		33,000	11.4	13.0
1117046	38HDR036-51	CAP**3614A**	58CV(A,X)070-12	32,600	11.5	13.5
3015466	38HDR036-51	CAP**3614A**	58PH*045-08	33,000	11.5	14.0
1117044	38HDR036-51	CAP**3614A**+TDR		32,600	11.0	13.0
1117228	38HDR036-51	CAP**3617A**	58CV(A,X)070-12	33,000	11.5	14.0
1117052	38HDR036-51	CAP**3617A**	58CV(A,X)090-16	33,000	11.5	14.0
3116284	38HDR036-51	CAP**3617A**	58MEB040-12	33,000	12.0	14.5
3116285	38HDR036-51	CAP**3617A**	58MEB060-12	33,000	12.0	14.5
3116286	38HDR036-51	CAP**3617A**	58MEB080-12	33,000	12.0	14.5
3116287	38HDR036-51	CAP**3617A**	58MEB080-16	33,000	12.0	14.5
1390596	38HDR036-51	CAP**3617A**	58MV(B,C)060-14	33,000	11.5	13.5
3015467	38HDR036-51	CAP**3617A**	58PH*070-16	33,000	11.5	14.0
1117048	38HDR036-51	CAP**3617A**+TDR		33,000	11.0	13.0
1117232	38HDR036-51	CAP**3621A**	58CV(A,X)090-16	33,000	11.5	14.0
1145786	38HDR036-51	CAP**3621A**	58CV(A,X)110-20	33,000	11.5	14.0
3116288	38HDR036-51	CAP**3621A**	58MEB100-20	33,000	12.0	14.5
1390602	38HDR036-51	CAP**3621A**	58MV(B,C)060-14	33,000	11.5	14.0
1390616	38HDR036-51	CAP**3621A**	58MV(B,C)080-14	33,000	11.5	13.5
1390634	38HDR036-51	CAP**3621A**	58MV(B,C)080-20	33,000	11.5	13.5
1390658	38HDR036-51	CAP**3621A**	58MV(B,C)100-20	33,000	11.5	14.0
3015468	38HDR036-51	CAP**3621A**	58PH*090-16	33,000	12.0	14.5
3015469	38HDR036-51	CAP**3621A**	58PH*110-20	33,000	12.0	14.5
1117054	38HDR036-51	CAP**3621A**+TDR		33,000	11.0	13.0
1117236	38HDR036-51	CAP**4221A**	58CV(A,X)090-16	33,400	11.5	14.0
1145796	38HDR036-51	CAP**4221A**	58CV(A,X)110-20	33,400	11.5	14.0
3116289	38HDR036-51	CAP**4221A**	58MEB100-20	33,400	12.0	14.5
1390604	38HDR036-51	CAP**4221A**	58MV(B,C)060-14	33,400	11.5	14.0
1390624	38HDR036-51	CAP**4221A**	58MV(B,C)080-14	33,400	11.5	13.5
1390642	38HDR036-51	CAP**4221A**	58MV(B,C)080-20	33,400	11.5	14.0
1390660	38HDR036-51	CAP**4221A**	58MV(B,C)100-20	33,400	11.5	14.0
3015470	38HDR036-51	CAP**4221A**	58PH*090-16	33,400	12.0	14.5
3015471	38HDR036-51	CAP**4221A**	58PH*110-20	33,400	12.0	14.5
1145788	38HDR036-51	CAP**4221A**+TDR		33,400	11.0	13.0
1117244	38HDR036-51	CAP**4224A**	58CV(A,X)110-20	33,400	11.5	14.0
1145804	38HDR036-51	CAP**4224A**	58CV(A,X)135-22	33,400	11.5	14.0
1145806	38HDR036-51	CAP**4224A**	58CV(A,X)155-22	33,400	11.5	14.0
1390622	38HDR036-51	CAP**4224A**	58MV(B,C)080-14	33,400	11.5	14.0
1390640	38HDR036-51	CAP**4224A**	58MV(B,C)080-20	33,400	11.5	14.0
1390656	38HDR036-51	CAP**4224A**	58MV(B,C)100-20	33,400	11.5	14.0
1390674	38HDR036-51	CAP**4224A**	58MV(B,C)120-20	33,400	11.5	13.5
1145798	38HDR036-51	CAP**4224A**+TDR		33,400	11.0	13.0
1117156	38HDR036-51	CNPF*3618A**+TDR		33,000	11.0	13.0
1145846	38HDR036-51	CNPH*3617A**	58CV(A,X)070-12	33,000	11.5	13.5
1145848	38HDR036-51	CNPH*3617A**	58CV(A,X)090-16	33,000	11.5	13.5
1145850	38HDR036-51	CNPH*3617A**	58CV(A,X)110-20	33,000	11.5	13.5
1145852	38HDR036-51	CNPH*3617A**	58CV(A,X)135-22	33,000	11.5	13.5
1145854	38HDR036-51	CNPH*3617A**	58CV(A,X)155-22	33,000	11.5	14.0
3116304	38HDR036-51	CNPH*3617A**	58MEB040-12	33,000	12.0	14.5
3116305	38HDR036-51	CNPH*3617A**	58MEB060-12	33,000	12.0	14.5
3116306	38HDR036-51	CNPH*3617A**	58MEB080-12	33,000	12.0	14.5
3116307	38HDR036-51	CNPH*3617A**	58MEB080-16	33,000	12.0	14.5
3116308	38HDR036-51	CNPH*3617A**	58MEB100-20	33,000	12.0	14.5
1390612	38HDR036-51	CNPH*3617A**	58MV(B,C)060-14	33,000	11.5	13.5
1390630	38HDR036-51	CNPH*3617A**	58MV(B,C)080-14	33,000	11.5	13.5
1390648	38HDR036-51	CNPH*3617A**	58MV(B,C)080-20	33,000	11.5	13.5
1390666	38HDR036-51	CNPH*3617A**	58MV(B,C)100-20	33,000	11.5	13.5
1390676	38HDR036-51	CNPH*3617A**	58MV(B,C)120-20	33,000	11.5	13.5
3015477	38HDR036-51	CNPH*3617A**	58PH*045-08	33,000	11.5	14.0
3015478	38HDR036-51	CNPH*3617A**	58PH*070-16	33,000	11.5	14.0
3015479	38HDR036-51	CNPH*3617A**	58PH*090-16	33,000	12.0	14.5
3015480	38HDR036-51	CNPH*3617A**	58PH*110-20	33,000	12.0	14.5
1145832	38HDR036-51	CNPH*3617A**+TDR		33,000	11.0	13.0
1145870	38HDR036-51	CNPH*4221A**	58CV(A,X)070-12	33,400	11.5	14.0
1145872	38HDR036-51	CNPH*4221A**	58CV(A,X)090-16	33,400	11.5	14.5
1145874	38HDR036-51	CNPH*4221A**	58CV(A,X)110-20	33,400	11.5	14.5
1117152	38HDR036-51	CNPH*4221A**	58CV(A,X)135-22	33,400	11.5	14.5
1117154	38HDR036-51	CNPH*4221A**	58CV(A,X)155-22	33,400	11.5	14.5
3116309	38HDR036-51	CNPH*4221A**	58MEB040-12	33,400	12.0	14.5
3116310	38HDR036-51	CNPH*4221A**	58MEB060-12	33,400	12.0	14.5
3116311	38HDR036-51	CNPH*4221A**	58MEB080-12	33,400	12.0	14.5

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3116312	38HDR036-51	CNPH*4221A**	58MEB080-16	33,400	12.0	14.5
3116313	38HDR036-51	CNPH*4221A**	58MEB100-20	33,400	12.0	14.5
1390614	38HDR036-51	CNPH*4221A**	58MV(B,C)060-14	33,400	11.5	14.0
1390632	38HDR036-51	CNPH*4221A**	58MV(B,C)080-14	33,400	11.5	14.0
1390650	38HDR036-51	CNPH*4221A**	58MV(B,C)080-20	33,400	11.5	14.0
1390668	38HDR036-51	CNPH*4221A**	58MV(B,C)100-20	33,400	11.5	14.0
1390678	38HDR036-51	CNPH*4221A**	58MV(B,C)120-20	33,400	11.5	14.5
3015481	38HDR036-51	CNPH*4221A**	58PH*045-08	33,400	11.5	14.0
3015482	38HDR036-51	CNPH*4221A**	58PH*070-16	33,400	11.5	14.0
3015483	38HDR036-51	CNPH*4221A**	58PH*090-16	33,400	12.0	14.5
3015484	38HDR036-51	CNPH*4221A**	58PH*110-20	33,400	12.0	14.5
1145856	38HDR036-51	CNPH*4221A**+TDR		33,400	11.0	13.0
1117246	38HDR036-51	CNPV*3617A**	58CV(A,X)070-12	33,000	11.5	14.0
1145812	38HDR036-51	CNPV*3617A**	58CV(A,X)090-16	33,000	11.5	13.5
3116290	38HDR036-51	CNPV*3617A**	58MEB040-12	33,000	12.0	14.5
3116291	38HDR036-51	CNPV*3617A**	58MEB060-12	33,000	12.0	14.5
3116292	38HDR036-51	CNPV*3617A**	58MEB080-12	33,000	12.0	14.5
3116293	38HDR036-51	CNPV*3617A**	58MEB080-16	33,000	12.0	14.5
1390610	38HDR036-51	CNPV*3617A**	58MV(B,C)060-14	33,000	11.5	13.5
3015472	38HDR036-51	CNPV*3617A**	58PH*070-16	33,000	11.5	14.0
1145808	38HDR036-51	CNPV*3617A**+TDR		33,000	11.0	13.0
1117250	38HDR036-51	CNPV*3621A**	58CV(A,X)090-16	33,000	11.5	14.5
1145822	38HDR036-51	CNPV*3621A**	58CV(A,X)110-20	33,000	11.5	13.5
3116294	38HDR036-51	CNPV*3621A**	58MEB100-20	33,000	12.0	14.5
1390606	38HDR036-51	CNPV*3621A**	58MV(B,C)060-14	33,000	11.5	14.5
1390626	38HDR036-51	CNPV*3621A**	58MV(B,C)080-14	33,000	11.5	13.5
1390644	38HDR036-51	CNPV*3621A**	58MV(B,C)080-20	33,000	11.5	13.5
1390662	38HDR036-51	CNPV*3621A**	58MV(B,C)100-20	33,000	11.5	13.5
3015473	38HDR036-51	CNPV*3621A**	58PH*090-16	33,000	12.0	14.5
3015474	38HDR036-51	CNPV*3621A**	58PH*110-20	33,000	12.0	14.5
1145814	38HDR036-51	CNPV*3621A**+TDR		33,000	11.0	13.0
3116297	38HDR036-51	CNPV*4217A**	58CV(A,X)090-16	33,400	12.0	14.5
3116299	38HDR036-51	CNPV*4217A**	58MEB040-12	33,400	12.0	14.5
3116300	38HDR036-51	CNPV*4217A**	58MEB060-12	33,400	12.0	14.5
3116301	38HDR036-51	CNPV*4217A**	58MEB080-12	33,400	12.0	14.5
3116302	38HDR036-51	CNPV*4217A**	58MEB080-16	33,400	12.0	14.5
3116296	38HDR036-51	CNPV*4217A**	58MV(B,C)060-14	33,400	12.0	14.5
3116298	38HDR036-51	CNPV*4217A**	58PH*070-16	33,400	12.0	14.5
3116295	38HDR036-51	CNPV*4217A**+TDR		33,400	11.0	13.0
1117254	38HDR036-51	CNPV*4221A**	58CV(A,X)090-16	33,400	11.5	14.5
1145830	38HDR036-51	CNPV*4221A**	58CV(A,X)110-20	33,400	11.5	14.5
3116303	38HDR036-51	CNPV*4221A**	58MEB100-20	33,400	12.0	14.5
1390608	38HDR036-51	CNPV*4221A**	58MV(B,C)060-14	33,400	11.5	14.5
1390628	38HDR036-51	CNPV*4221A**	58MV(B,C)080-14	33,400	11.5	14.0
1390646	38HDR036-51	CNPV*4221A**	58MV(B,C)080-20	33,400	11.5	14.0
1390664	38HDR036-51	CNPV*4221A**	58MV(B,C)100-20	33,400	11.5	14.0
3015475	38HDR036-51	CNPV*4221A**	58PH*090-16	33,400	12.0	14.5
3015476	38HDR036-51	CNPV*4221A**	58PH*110-20	33,400	12.0	14.5
1117172	38HDR036-51	CSPH*3612A**	58CV(A,X)070-12	33,000	11.5	14.0
1117174	38HDR036-51	CSPH*3612A**	58CV(A,X)090-16	33,000	11.5	14.5
1117176	38HDR036-51	CSPH*3612A**	58CV(A,X)110-20	33,000	11.5	14.5
1117178	38HDR036-51	CSPH*3612A**	58CV(A,X)135-22	33,000	11.5	14.5
1117180	38HDR036-51	CSPH*3612A**	58CV(A,X)155-22	33,000	11.5	14.5
3116314	38HDR036-51	CSPH*3612A**	58MEB040-12	33,000	12.0	14.5
3116315	38HDR036-51	CSPH*3612A**	58MEB060-12	33,000	12.0	14.5
3116316	38HDR036-51	CSPH*3612A**	58MEB080-12	33,000	12.0	14.5
3116317	38HDR036-51	CSPH*3612A**	58MEB080-16	33,000	12.0	14.5
3116318	38HDR036-51	CSPH*3612A**	58MEB100-20	33,000	12.0	14.5
1390598	38HDR036-51	CSPH*3612A**	58MV(B,C)060-14	33,000	11.5	14.5
1390618	38HDR036-51	CSPH*3612A**	58MV(B,C)080-14	33,000	11.5	14.0
1390636	38HDR036-51	CSPH*3612A**	58MV(B,C)080-20	33,000	11.5	14.0
1390652	38HDR036-51	CSPH*3612A**	58MV(B,C)100-20	33,000	11.5	14.5
1390670	38HDR036-51	CSPH*3612A**	58MV(B,C)120-20	33,000	11.5	14.5
3015485	38HDR036-51	CSPH*3612A**	58PH*045-08	33,000	11.5	14.0
3015486	38HDR036-51	CSPH*3612A**	58PH*070-16	33,000	11.5	14.0
3015487	38HDR036-51	CSPH*3612A**	58PH*090-16	33,000	12.0	14.5
3015488	38HDR036-51	CSPH*3612A**	58PH*110-20	33,000	12.0	14.5
1117158	38HDR036-51	CSPH*3612A**+TDR		33,000	11.0	13.0
1117196	38HDR036-51	CSPH*4212A**	58CV(A,X)070-12	33,400	11.5	14.0
1117198	38HDR036-51	CSPH*4212A**	58CV(A,X)090-16	33,400	11.5	14.5
1117200	38HDR036-51	CSPH*4212A**	58CV(A,X)110-20	33,400	11.5	14.5
1117202	38HDR036-51	CSPH*4212A**	58CV(A,X)135-22	33,400	11.5	14.5
1117204	38HDR036-51	CSPH*4212A**	58CV(A,X)155-22	33,400	11.5	14.5
3116319	38HDR036-51	CSPH*4212A**	58MEB040-12	33,400	12.0	14.5
3116320	38HDR036-51	CSPH*4212A**	58MEB060-12	33,400	12.0	14.5
3116321	38HDR036-51	CSPH*4212A**	58MEB080-12	33,400	12.0	14.5
3116322	38HDR036-51	CSPH*4212A**	58MEB080-16	33,400	12.0	14.5
3116323	38HDR036-51	CSPH*4212A**	58MEB100-20	33,400	12.0	14.5
1390600	38HDR036-51	CSPH*4212A**	58MV(B,C)060-14	33,400	11.5	14.0

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
1390620	38HDR036-51	CSPH*4212A**	58MV(B,C)080-14	33,400	11.5	14.0
1390638	38HDR036-51	CSPH*4212A**	58MV(B,C)080-20	33,400	11.5	14.0
1390654	38HDR036-51	CSPH*4212A**	58MV(B,C)100-20	33,400	11.5	14.0
1390672	38HDR036-51	CSPH*4212A**	58MV(B,C)120-20	33,400	11.5	14.0
3015489	38HDR036-51	CSPH*4212A**	58PH*045-08	33,400	11.5	14.0
3015490	38HDR036-51	CSPH*4212A**	58PH*070-16	33,400	11.5	14.0
3015491	38HDR036-51	CSPH*4212A**	58PH*090-16	33,400	12.0	14.5
3015492	38HDR036-51	CSPH*4212A**	58PH*110-20	33,400	12.0	14.5
1117182	38HDR036-51	CSPH*4212A**+TDR		33,400	11.0	13.0
1117216	38HDR036-51	FE4AN(B,F)003+UI		33,000	11.5	14.0
1117218	38HDR036-51	FE4AN(B,F)005+UI		33,400	12.5	15.0
1117220	38HDR036-51	FE4ANB006+UI		33,400	12.5	15.0
1117214	38HDR036-51	FE4ANF002+UI		33,000	11.5	13.5
1117222	38HDR036-51	FF1ENP036		33,000	11.0	13.0
1117226	38HDR036-51	FV4BNB006		33,400	12.5	15.0
1117224	38HDR036-51	FV4BNF002		33,000	11.5	13.5
3404631	38HDR036-51	FV4CNB006		33,400	12.5	15.0
3404630	38HDR036-51	FV4CNF002		33,000	11.5	13.5
1117210	38HDR036-51	FX4CN(B,F)036		33,000	11.5	14.0
1117212	38HDR036-51	FX4CN(B,F)042		33,400	11.5	14.0
1117206	38HDR036-51	FY4ANF036		33,000	11.0	13.0
1117208	38HDR036-51	FY4ANF042		33,400	11.0	13.0
1117484	38HDR036-61	†CNPV*4221A**+TDR		33,400	11.0	13.0
1117984	38HDR036-61	40QAC036---3		33,000	11.4	13.0
1117488	38HDR036-61	CAP**3614A**	58CV(A,X)070-12	32,600	11.5	13.5
3015493	38HDR036-61	CAP**3614A**	58PH*045-08	33,000	11.5	14.0
1117486	38HDR036-61	CAP**3614A**+TDR		32,600	11.0	13.0
1117670	38HDR036-61	CAP**3617A**	58CV(A,X)070-12	33,000	11.5	14.0
1117494	38HDR036-61	CAP**3617A**	58CV(A,X)090-16	33,000	11.5	14.0
3116353	38HDR036-61	CAP**3617A**	58MEB040-12	33,000	12.0	14.5
3116354	38HDR036-61	CAP**3617A**	58MEB060-12	33,000	12.0	14.5
3116355	38HDR036-61	CAP**3617A**	58MEB080-12	33,000	12.0	14.5
3116356	38HDR036-61	CAP**3617A**	58MEB080-16	33,000	12.0	14.5
1390680	38HDR036-61	CAP**3617A**	58MV(B,C)060-14	33,000	11.5	13.5
3015494	38HDR036-61	CAP**3617A**	58PH*070-16	33,000	11.5	14.0
1117490	38HDR036-61	CAP**3617A**+TDR		33,000	11.0	13.0
1117674	38HDR036-61	CAP**3621A**	58CV(A,X)090-16	33,000	11.5	14.0
1117504	38HDR036-61	CAP**3621A**	58CV(A,X)110-20	33,000	11.5	14.0
3116357	38HDR036-61	CAP**3621A**	58MEB100-20	33,000	12.0	14.5
1390692	38HDR036-61	CAP**3621A**	58MV(B,C)060-14	33,000	11.5	14.0
1390700	38HDR036-61	CAP**3621A**	58MV(B,C)080-14	33,000	11.5	13.5
1390718	38HDR036-61	CAP**3621A**	58MV(B,C)080-20	33,000	11.5	13.5
1390736	38HDR036-61	CAP**3621A**	58MV(B,C)100-20	33,000	11.5	14.0
3015495	38HDR036-61	CAP**3621A**	58PH*090-16	33,000	12.0	14.5
3015496	38HDR036-61	CAP**3621A**	58PH*110-20	33,000	12.0	14.5
1117496	38HDR036-61	CAP**3621A**+TDR		33,000	11.0	13.0
1117678	38HDR036-61	CAP**4221A**	58CV(A,X)090-16	33,400	11.5	14.0
1117514	38HDR036-61	CAP**4221A**	58CV(A,X)110-20	33,400	11.5	14.0
3116358	38HDR036-61	CAP**4221A**	58MEB100-20	33,400	12.0	14.5
1390694	38HDR036-61	CAP**4221A**	58MV(B,C)060-14	33,400	11.5	14.0
1390702	38HDR036-61	CAP**4221A**	58MV(B,C)080-14	33,400	11.5	13.5
1390720	38HDR036-61	CAP**4221A**	58MV(B,C)080-20	33,400	11.5	14.0
1390738	38HDR036-61	CAP**4221A**	58MV(B,C)100-20	33,400	11.5	14.0
3015497	38HDR036-61	CAP**4221A**	58PH*090-16	33,400	12.0	14.5
3015498	38HDR036-61	CAP**4221A**	58PH*110-20	33,400	12.0	14.5
1117506	38HDR036-61	CAP**4221A**+TDR		33,400	11.0	13.0
1117686	38HDR036-61	CAP**4224A**	58CV(A,X)110-20	33,400	11.5	14.0
1117522	38HDR036-61	CAP**4224A**	58CV(A,X)135-22	33,400	11.5	14.0
1117524	38HDR036-61	CAP**4224A**	58CV(A,X)155-22	33,400	11.5	14.0
1390716	38HDR036-61	CAP**4224A**	58MV(B,C)080-14	33,400	11.5	14.0
1390734	38HDR036-61	CAP**4224A**	58MV(B,C)080-20	33,400	11.5	14.0
1390752	38HDR036-61	CAP**4224A**	58MV(B,C)100-20	33,400	11.5	14.0
1390754	38HDR036-61	CAP**4224A**	58MV(B,C)120-20	33,400	11.5	13.5
1117516	38HDR036-61	CAP**4224A**+TDR		33,400	11.0	13.0
1117598	38HDR036-61	CNPF*3618A**+TDR		33,000	11.0	13.0
1117564	38HDR036-61	CNPH*3617A**	58CV(A,X)070-12	33,000	11.5	13.5
1117566	38HDR036-61	CNPH*3617A**	58CV(A,X)090-16	33,000	11.5	13.5
1117568	38HDR036-61	CNPH*3617A**	58CV(A,X)110-20	33,000	11.5	13.5
1117570	38HDR036-61	CNPH*3617A**	58CV(A,X)135-22	33,000	11.5	13.5
1117572	38HDR036-61	CNPH*3617A**	58CV(A,X)155-22	33,000	11.5	14.0
3116373	38HDR036-61	CNPH*3617A**	58MEB040-12	33,000	12.0	14.5
3116374	38HDR036-61	CNPH*3617A**	58MEB060-12	33,000	12.0	14.5
3116375	38HDR036-61	CNPH*3617A**	58MEB080-12	33,000	12.0	14.5
3116376	38HDR036-61	CNPH*3617A**	58MEB080-16	33,000	12.0	14.5
3116377	38HDR036-61	CNPH*3617A**	58MEB100-20	33,000	12.0	14.5
1390684	38HDR036-61	CNPH*3617A**	58MV(B,C)060-14	33,000	11.5	13.5
1390708	38HDR036-61	CNPH*3617A**	58MV(B,C)080-14	33,000	11.5	13.5
1390726	38HDR036-61	CNPH*3617A**	58MV(B,C)080-20	33,000	11.5	13.5

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
1390744	38HDR036-61	CNPH*3617A**	58MV(B,C)100-20	33,000	11.5	13.5
1390756	38HDR036-61	CNPH*3617A**	58MV(B,C)120-20	33,000	11.5	13.5
3015504	38HDR036-61	CNPH*3617A**	58PH*045-08	33,000	11.5	14.0
3015505	38HDR036-61	CNPH*3617A**	58PH*070-16	33,000	11.5	14.0
3015506	38HDR036-61	CNPH*3617A**	58PH*090-16	33,000	12.0	14.5
3015507	38HDR036-61	CNPH*3617A**	58PH*110-20	33,000	12.0	14.5
1117550	38HDR036-61	CNPH*3617A**+TDR		33,000	11.0	13.0
1117588	38HDR036-61	CNPH*4221A**	58CV(A,X)070-12	33,400	11.5	14.0
1117590	38HDR036-61	CNPH*4221A**	58CV(A,X)090-16	33,400	11.5	14.5
1117592	38HDR036-61	CNPH*4221A**	58CV(A,X)110-20	33,400	11.5	14.5
1117594	38HDR036-61	CNPH*4221A**	58CV(A,X)135-22	33,400	11.5	14.5
1117596	38HDR036-61	CNPH*4221A**	58CV(A,X)155-22	33,400	11.5	14.5
3116378	38HDR036-61	CNPH*4221A**	58MEB040-12	33,400	12.0	14.5
3116379	38HDR036-61	CNPH*4221A**	58MEB060-12	33,400	12.0	14.5
3116380	38HDR036-61	CNPH*4221A**	58MEB080-12	33,400	12.0	14.5
3116381	38HDR036-61	CNPH*4221A**	58MEB080-16	33,400	12.0	14.5
3116382	38HDR036-61	CNPH*4221A**	58MEB100-20	33,400	12.0	14.5
1390686	38HDR036-61	CNPH*4221A**	58MV(B,C)060-14	33,400	11.5	14.0
1390710	38HDR036-61	CNPH*4221A**	58MV(B,C)080-14	33,400	11.5	14.0
1390728	38HDR036-61	CNPH*4221A**	58MV(B,C)080-20	33,400	11.5	14.0
1390746	38HDR036-61	CNPH*4221A**	58MV(B,C)100-20	33,400	11.5	14.0
1390758	38HDR036-61	CNPH*4221A**	58MV(B,C)120-20	33,400	11.5	14.5
3015508	38HDR036-61	CNPH*4221A**	58PH*045-08	33,400	11.5	14.0
3015509	38HDR036-61	CNPH*4221A**	58PH*070-16	33,400	11.5	14.0
3015510	38HDR036-61	CNPH*4221A**	58PH*090-16	33,400	12.0	14.5
3015511	38HDR036-61	CNPH*4221A**	58PH*110-20	33,400	12.0	14.5
1117574	38HDR036-61	CNPH*4221A**+TDR		33,400	11.0	13.0
1117688	38HDR036-61	CNPV*3617A**	58CV(A,X)070-12	33,000	11.5	14.0
1117530	38HDR036-61	CNPV*3617A**	58CV(A,X)090-16	33,000	11.5	13.5
3116359	38HDR036-61	CNPV*3617A**	58MEB040-12	33,000	12.0	14.5
3116360	38HDR036-61	CNPV*3617A**	58MEB060-12	33,000	12.0	14.5
3116361	38HDR036-61	CNPV*3617A**	58MEB080-12	33,000	12.0	14.5
3116362	38HDR036-61	CNPV*3617A**	58MEB080-16	33,000	12.0	14.5
1390682	38HDR036-61	CNPV*3617A**	58MV(B,C)060-14	33,000	11.5	13.5
3015499	38HDR036-61	CNPV*3617A**	58PH*070-16	33,000	11.5	14.0
1117526	38HDR036-61	CNPV*3617A**+TDR		33,000	11.0	13.0
1117692	38HDR036-61	CNPV*3621A**	58CV(A,X)090-16	33,000	11.5	14.5
1117540	38HDR036-61	CNPV*3621A**	58CV(A,X)110-20	33,000	11.5	13.5
3116363	38HDR036-61	CNPV*3621A**	58MEB100-20	33,000	12.0	14.5
1390696	38HDR036-61	CNPV*3621A**	58MV(B,C)060-14	33,000	11.5	14.5
1390704	38HDR036-61	CNPV*3621A**	58MV(B,C)080-14	33,000	11.5	13.5
1390722	38HDR036-61	CNPV*3621A**	58MV(B,C)080-20	33,000	11.5	13.5
1390740	38HDR036-61	CNPV*3621A**	58MV(B,C)100-20	33,000	11.5	13.5
3015500	38HDR036-61	CNPV*3621A**	58PH*090-16	33,000	12.0	14.5
3015501	38HDR036-61	CNPV*3621A**	58PH*110-20	33,000	12.0	14.5
1117532	38HDR036-61	CNPV*3621A**+TDR		33,000	11.0	13.0
3116366	38HDR036-61	CNPV*4217A**	58CV(A,X)090-16	33,400	12.0	14.5
3116368	38HDR036-61	CNPV*4217A**	58MEB040-12	33,400	12.0	14.5
3116369	38HDR036-61	CNPV*4217A**	58MEB060-12	33,400	12.0	14.5
3116370	38HDR036-61	CNPV*4217A**	58MEB080-12	33,400	12.0	14.5
3116371	38HDR036-61	CNPV*4217A**	58MEB080-16	33,400	12.0	14.5
3116365	38HDR036-61	CNPV*4217A**	58MV(B,C)060-14	33,400	12.0	14.5
3116367	38HDR036-61	CNPV*4217A**	58PH*070-16	33,400	12.0	14.5
3116364	38HDR036-61	CNPV*4217A**+TDR		33,400	11.0	13.0
1117696	38HDR036-61	CNPV*4221A**	58CV(A,X)090-16	33,400	11.5	14.5
1117548	38HDR036-61	CNPV*4221A**	58CV(A,X)110-20	33,400	11.5	14.5
3116372	38HDR036-61	CNPV*4221A**	58MEB100-20	33,400	12.0	14.5
1390698	38HDR036-61	CNPV*4221A**	58MV(B,C)060-14	33,400	11.5	14.5
1390706	38HDR036-61	CNPV*4221A**	58MV(B,C)080-14	33,400	11.5	14.0
1390724	38HDR036-61	CNPV*4221A**	58MV(B,C)080-20	33,400	11.5	14.0
1390742	38HDR036-61	CNPV*4221A**	58MV(B,C)100-20	33,400	11.5	14.0
3015502	38HDR036-61	CNPV*4221A**	58PH*090-16	33,400	12.0	14.5
3015503	38HDR036-61	CNPV*4221A**	58PH*110-20	33,400	12.0	14.5
1117614	38HDR036-61	CSPH*3612A**	58CV(A,X)070-12	33,000	11.5	14.0
1117616	38HDR036-61	CSPH*3612A**	58CV(A,X)090-16	33,000	11.5	14.5
1117618	38HDR036-61	CSPH*3612A**	58CV(A,X)110-20	33,000	11.5	14.5
1117620	38HDR036-61	CSPH*3612A**	58CV(A,X)135-22	33,000	11.5	14.5
1117622	38HDR036-61	CSPH*3612A**	58CV(A,X)155-22	33,000	11.5	14.5
3116383	38HDR036-61	CSPH*3612A**	58MEB040-12	33,000	12.0	14.5
3116384	38HDR036-61	CSPH*3612A**	58MEB060-12	33,000	12.0	14.5
3116385	38HDR036-61	CSPH*3612A**	58MEB080-12	33,000	12.0	14.5
3116386	38HDR036-61	CSPH*3612A**	58MEB080-16	33,000	12.0	14.5
3116387	38HDR036-61	CSPH*3612A**	58MEB100-20	33,000	12.0	14.5
1390688	38HDR036-61	CSPH*3612A**	58MV(B,C)060-14	33,000	11.5	14.5
1390712	38HDR036-61	CSPH*3612A**	58MV(B,C)080-14	33,000	11.5	14.0
1390730	38HDR036-61	CSPH*3612A**	58MV(B,C)080-20	33,000	11.5	14.0
1390748	38HDR036-61	CSPH*3612A**	58MV(B,C)100-20	33,000	11.5	14.5
1390760	38HDR036-61	CSPH*3612A**	58MV(B,C)120-20	33,000	11.5	14.5
3015512	38HDR036-61	CSPH*3612A**	58PH*045-08	33,000	11.5	14.0

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3015513	38HDR036-61	CSPH*3612A**	58PH*070-16	33,000	11.5	14.0
3015514	38HDR036-61	CSPH*3612A**	58PH*090-16	33,000	12.0	14.5
3015515	38HDR036-61	CSPH*3612A**	58PH*110-20	33,000	12.0	14.5
1117600	38HDR036-61	CSPH*3612A**+TDR		33,000	11.0	13.0
1117638	38HDR036-61	CSPH*4212A**	58CV(A,X)070-12	33,400	11.5	14.0
1117640	38HDR036-61	CSPH*4212A**	58CV(A,X)090-16	33,400	11.5	14.5
1117642	38HDR036-61	CSPH*4212A**	58CV(A,X)110-20	33,400	11.5	14.5
1117644	38HDR036-61	CSPH*4212A**	58CV(A,X)135-22	33,400	11.5	14.5
1117646	38HDR036-61	CSPH*4212A**	58CV(A,X)155-22	33,400	11.5	14.5
3116388	38HDR036-61	CSPH*4212A**	58MEB040-12	33,400	12.0	14.5
3116389	38HDR036-61	CSPH*4212A**	58MEB060-12	33,400	12.0	14.5
3116390	38HDR036-61	CSPH*4212A**	58MEB080-12	33,400	12.0	14.5
3116391	38HDR036-61	CSPH*4212A**	58MEB080-16	33,400	12.0	14.5
3116392	38HDR036-61	CSPH*4212A**	58MEB100-20	33,400	12.0	14.5
1390690	38HDR036-61	CSPH*4212A**	58MV(B,C)060-14	33,400	11.5	14.0
1390714	38HDR036-61	CSPH*4212A**	58MV(B,C)080-14	33,400	11.5	14.0
1390732	38HDR036-61	CSPH*4212A**	58MV(B,C)080-20	33,400	11.5	14.0
1390750	38HDR036-61	CSPH*4212A**	58MV(B,C)100-20	33,400	11.5	14.0
1390762	38HDR036-61	CSPH*4212A**	58MV(B,C)120-20	33,400	11.5	14.0
3015516	38HDR036-61	CSPH*4212A**	58PH*045-08	33,400	11.5	14.0
3015517	38HDR036-61	CSPH*4212A**	58PH*070-16	33,400	11.5	14.0
3015518	38HDR036-61	CSPH*4212A**	58PH*090-16	33,400	12.0	14.5
3015519	38HDR036-61	CSPH*4212A**	58PH*110-20	33,400	12.0	14.5
1117624	38HDR036-61	CSPH*4212A**+TDR		33,400	11.0	13.0
1117658	38HDR036-61	FE4AN(B,F)003+UI		33,000	11.5	14.0
1117660	38HDR036-61	FE4AN(B,F)005+UI		33,400	12.5	15.0
1117662	38HDR036-61	FE4ANB006+UI		33,400	12.5	15.0
1117656	38HDR036-61	FE4ANF002+UI		33,000	11.5	13.5
1117664	38HDR036-61	FF1ENP036		33,000	11.0	13.0
1117668	38HDR036-61	FV4BNB006		33,400	12.5	15.0
1117666	38HDR036-61	FV4BNF002		33,000	11.5	13.5
3404635	38HDR036-61	FV4CNB006		33,400	12.5	15.0
3404634	38HDR036-61	FV4CNF002		33,000	11.5	13.5
1117652	38HDR036-61	FX4CN(B,F)036		33,000	11.5	14.0
1117654	38HDR036-61	FX4CN(B,F)042		33,400	11.5	14.0
1117648	38HDR036-61	FY4ANF036		33,000	11.0	13.0
1117650	38HDR036-61	FY4ANF042		33,400	11.0	13.0
3465144	38HDR048-32	†CNPV*4821A**+TDR		47,000	11.0	13.0
3465807	38HDR048-32	40QAC048-3		45,500	11.5	13.0
3465146	38HDR048-32	CAP**4817A**	58CV(A,X)090-16	46,500	11.5	13.5
3465148	38HDR048-32	CAP**4817A**	58MEB080-16	46,500	11.5	14.0
3465147	38HDR048-32	CAP**4817A**	58PH*070-16	46,500	11.5	13.5
3465145	38HDR048-32	CAP**4817A**+TDR		46,500	11.0	13.0
3465152	38HDR048-32	CAP**4821A**	58CV(A,X)110-20	46,500	11.5	13.5
3465155	38HDR048-32	CAP**4821A**	58MEB100-20	46,500	11.5	14.0
3465150	38HDR048-32	CAP**4821A**	58MV(B,C)080-20	46,000	11.5	13.5
3465151	38HDR048-32	CAP**4821A**	58MV(B,C)100-20	46,500	11.5	13.5
3465153	38HDR048-32	CAP**4821A**	58PH*090-16	46,500	11.5	14.0
3465154	38HDR048-32	CAP**4821A**	58PH*110-20	46,500	11.5	14.0
3465149	38HDR048-32	CAP**4821A**+TDR		47,000	11.0	13.0
3465158	38HDR048-32	CAP**4824A**	58CV(A,X)135-22	46,500	11.5	13.5
3465159	38HDR048-32	CAP**4824A**	58CV(A,X)155-22	46,500	11.5	13.5
3465161	38HDR048-32	CAP**4824A**	58MEB120-20	46,500	11.5	14.0
3465157	38HDR048-32	CAP**4824A**	58MV(B,C)120-20	46,500	11.5	13.5
3465160	38HDR048-32	CAP**4824A**	58PH*135-20	46,500	11.5	14.0
3465156	38HDR048-32	CAP**4824A**+TDR		47,000	11.0	13.0
3465165	38HDR048-32	CAP**6021A**	58CV(A,X)110-20	47,000	11.5	13.5
3465168	38HDR048-32	CAP**6021A**	58MEB100-20	47,000	12.0	14.5
3465163	38HDR048-32	CAP**6021A**	58MV(B,C)080-20	47,000	11.5	13.5
3465164	38HDR048-32	CAP**6021A**	58MV(B,C)100-20	47,000	11.5	13.5
3465166	38HDR048-32	CAP**6021A**	58PH*090-16	47,000	12.0	14.5
3465167	38HDR048-32	CAP**6021A**	58PH*110-20	47,000	12.0	14.5
3465162	38HDR048-32	CAP**6021A**+TDR		47,500	11.0	13.0
3465171	38HDR048-32	CAP**6024A**	58CV(A,X)135-22	47,000	11.5	13.5
3465172	38HDR048-32	CAP**6024A**	58CV(A,X)155-22	47,000	11.5	14.0
3465174	38HDR048-32	CAP**6024A**	58MEB120-20	47,000	12.0	14.5
3465170	38HDR048-32	CAP**6024A**	58MV(B,C)120-20	47,000	11.5	13.5
3465173	38HDR048-32	CAP**6024A**	58PH*135-20	47,000	12.0	14.5
3465169	38HDR048-32	CAP**6024A**+TDR		47,500	11.0	13.0
3465221	38HDR048-32	CNPF*4818A**+TDR		46,000	11.0	13.0
3465197	38HDR048-32	CNPH*4821A**	58CV(A,X)090-16	46,500	11.5	13.5
3465198	38HDR048-32	CNPH*4821A**	58CV(A,X)110-20	46,500	11.5	13.5
3465199	38HDR048-32	CNPH*4821A**	58CV(A,X)135-22	46,500	11.5	13.5
3465200	38HDR048-32	CNPH*4821A**	58CV(A,X)155-22	46,500	11.5	13.5
3465204	38HDR048-32	CNPH*4821A**	58MEB080-16	46,500	11.5	14.0
3465205	38HDR048-32	CNPH*4821A**	58MEB100-20	46,500	11.5	14.0
3465206	38HDR048-32	CNPH*4821A**	58MEB120-20	46,500	11.5	14.0
3465194	38HDR048-32	CNPH*4821A**	58MV(B,C)080-20	46,500	11.5	13.5

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465195	38HDR048-32	CNPH*4821A**	58MV(B,C)100-20	46,500	11.5	13.5
3465196	38HDR048-32	CNPH*4821A**	58MV(B,C)120-20	46,500	11.5	13.5
3465201	38HDR048-32	CNPH*4821A**	58PH*090-16	46,500	11.5	13.5
3465202	38HDR048-32	CNPH*4821A**	58PH*110-20	46,500	11.5	13.5
3465203	38HDR048-32	CNPH*4821A**	58PH*135-20	46,500	11.5	13.5
3465193	38HDR048-32	CNPH*4821A**+TDR		47,000	11.0	13.0
3465211	38HDR048-32	CNPH*6024A**	58CV(A,X)090-16	47,000	11.5	13.5
3465212	38HDR048-32	CNPH*6024A**	58CV(A,X)110-20	47,000	11.5	13.5
3465213	38HDR048-32	CNPH*6024A**	58CV(A,X)135-22	47,000	11.5	13.5
3465214	38HDR048-32	CNPH*6024A**	58CV(A,X)155-22	47,000	11.5	14.0
3465218	38HDR048-32	CNPH*6024A**	58MEB080-16	47,000	11.5	14.0
3465219	38HDR048-32	CNPH*6024A**	58MEB100-20	47,000	12.0	14.5
3465220	38HDR048-32	CNPH*6024A**	58MEB120-20	47,000	12.0	14.5
3465208	38HDR048-32	CNPH*6024A**	58MV(B,C)080-20	47,000	11.5	13.5
3465209	38HDR048-32	CNPH*6024A**	58MV(B,C)100-20	47,000	11.5	13.5
3465210	38HDR048-32	CNPH*6024A**	58MV(B,C)120-20	47,000	11.5	13.5
3465215	38HDR048-32	CNPH*6024A**	58PH*090-16	47,000	12.0	14.5
3465216	38HDR048-32	CNPH*6024A**	58PH*110-20	47,000	12.0	14.5
3465217	38HDR048-32	CNPH*6024A**	58PH*135-20	47,000	12.0	14.5
3465207	38HDR048-32	CNPH*6024A**+TDR		47,500	11.0	13.0
3465177	38HDR048-32	CNPV*4821A**	58CV(A,X)110-20	46,500	11.5	13.5
3465180	38HDR048-32	CNPV*4821A**	58MEB100-20	46,500	11.5	13.5
3465175	38HDR048-32	CNPV*4821A**	58MV(B,C)080-20	46,500	11.5	13.5
3465176	38HDR048-32	CNPV*4821A**	58MV(B,C)100-20	46,500	11.5	13.5
3465178	38HDR048-32	CNPV*4821A**	58PH*090-16	46,500	11.5	14.0
3465179	38HDR048-32	CNPV*4821A**	58PH*110-20	46,500	11.5	14.0
3465183	38HDR048-32	CNPV*4824A**	58CV(A,X)135-22	46,500	11.5	13.5
3465184	38HDR048-32	CNPV*4824A**	58CV(A,X)155-22	46,500	11.5	13.5
3465186	38HDR048-32	CNPV*4824A**	58MEB120-20	46,500	11.5	14.0
3465182	38HDR048-32	CNPV*4824A**	58MV(B,C)120-20	46,500	11.5	13.5
3465185	38HDR048-32	CNPV*4824A**	58PH*135-20	46,500	11.5	14.0
3465181	38HDR048-32	CNPV*4824A**+TDR		47,000	11.0	13.0
3465189	38HDR048-32	CNPV*6024A**	58CV(A,X)135-22	47,000	11.5	13.5
3465190	38HDR048-32	CNPV*6024A**	58CV(A,X)155-22	47,000	11.5	14.0
3465192	38HDR048-32	CNPV*6024A**	58MEB120-20	47,000	12.0	14.5
3465188	38HDR048-32	CNPV*6024A**	58MV(B,C)120-20	47,000	11.5	13.5
3465191	38HDR048-32	CNPV*6024A**	58PH*135-20	47,000	12.0	14.5
3465187	38HDR048-32	CNPV*6024A**+TDR		47,500	11.0	13.0
3465226	38HDR048-32	CSPH*4812A**	58CV(A,X)090-16	46,500	11.5	13.5
3465227	38HDR048-32	CSPH*4812A**	58CV(A,X)110-20	46,500	11.5	13.5
3465228	38HDR048-32	CSPH*4812A**	58CV(A,X)135-22	46,500	11.5	13.5
3465229	38HDR048-32	CSPH*4812A**	58CV(A,X)155-22	46,500	11.5	13.5
3465233	38HDR048-32	CSPH*4812A**	58MEB080-16	46,500	11.5	14.0
3465234	38HDR048-32	CSPH*4812A**	58MEB100-20	46,500	11.5	14.0
3465235	38HDR048-32	CSPH*4812A**	58MEB120-20	46,500	11.5	14.0
3465223	38HDR048-32	CSPH*4812A**	58MV(B,C)080-20	46,500	11.5	13.5
3465224	38HDR048-32	CSPH*4812A**	58MV(B,C)100-20	46,500	11.5	13.5
3465225	38HDR048-32	CSPH*4812A**	58MV(B,C)120-20	46,500	11.5	13.5
3465230	38HDR048-32	CSPH*4812A**	58PH*090-16	46,500	11.5	14.0
3465231	38HDR048-32	CSPH*4812A**	58PH*110-20	46,500	11.5	14.0
3465232	38HDR048-32	CSPH*4812A**	58PH*135-20	46,500	11.5	14.0
3465222	38HDR048-32	CSPH*4812A**+TDR		47,000	11.0	13.0
3465240	38HDR048-32	CSPH*6012A**	58CV(A,X)090-16	47,000	11.5	13.5
3465241	38HDR048-32	CSPH*6012A**	58CV(A,X)110-20	47,000	11.5	14.0
3465242	38HDR048-32	CSPH*6012A**	58CV(A,X)135-22	47,000	11.5	14.0
3465243	38HDR048-32	CSPH*6012A**	58CV(A,X)155-22	47,000	11.5	14.0
3465247	38HDR048-32	CSPH*6012A**	58MEB080-16	47,000	12.0	14.5
3465248	38HDR048-32	CSPH*6012A**	58MEB100-20	47,000	12.0	14.5
3465249	38HDR048-32	CSPH*6012A**	58MEB120-20	47,000	12.0	14.5
3465237	38HDR048-32	CSPH*6012A**	58MV(B,C)080-20	47,000	11.5	13.5
3465238	38HDR048-32	CSPH*6012A**	58MV(B,C)100-20	47,000	11.5	13.5
3465239	38HDR048-32	CSPH*6012A**	58MV(B,C)120-20	47,000	11.5	13.5
3465244	38HDR048-32	CSPH*6012A**	58PH*090-16	47,000	12.0	14.5
3465245	38HDR048-32	CSPH*6012A**	58PH*110-20	47,000	12.0	14.5
3465246	38HDR048-32	CSPH*6012A**	58PH*135-20	47,000	12.0	14.5
3465236	38HDR048-32	CSPH*6012A**+TDR		47,500	11.0	13.0
3465254	38HDR048-32	FE4AN(B,F)005+UI		47,000	11.5	13.5
3465255	38HDR048-32	FE4ANB006+UI		47,500	11.5	14.0
3465256	38HDR048-32	FV4BN(B,F)005		47,000	11.5	14.0
3465257	38HDR048-32	FV4BNB006		47,500	11.5	14.0
3465252	38HDR048-32	FX4CN(B,F)048		47,000	11.5	13.5
3465253	38HDR048-32	FX4CN(B,F)060		47,500	11.5	14.0
3465251	38HDR048-32	FY4ANB060		47,500	11.0	13.0
3465250	38HDR048-32	FY4ANF048		47,000	11.0	13.0
3465258	38HDR048-52	†CNPV*4821A**+TDR		47,000	11.0	13.0
3465808	38HDR048-52	40QAC048-3		45,500	11.5	13.0
3465260	38HDR048-52	CAP**4817A**	58CV(A,X)090-16	46,500	11.5	13.5
3465262	38HDR048-52	CAP**4817A**	58MEB080-16	46,500	11.5	14.0

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465261	38HDR048-52	CAP**4817A**	58PH*070-16	46,500	11.5	13.5
3465259	38HDR048-52	CAP**4817A**+TDR		46,500	11.0	13.0
3465266	38HDR048-52	CAP**4821A**	58CV(A,X)110-20	46,500	11.5	13.5
3465269	38HDR048-52	CAP**4821A**	58MEB100-20	46,500	11.5	14.0
3465264	38HDR048-52	CAP**4821A**	58MV(B,C)080-20	46,000	11.5	13.5
3465265	38HDR048-52	CAP**4821A**	58MV(B,C)100-20	46,500	11.5	13.5
3465267	38HDR048-52	CAP**4821A**	58PH*090-16	46,500	11.5	14.0
3465268	38HDR048-52	CAP**4821A**	58PH*110-20	46,500	11.5	14.0
3465263	38HDR048-52	CAP**4821A**+TDR		47,000	11.0	13.0
3465272	38HDR048-52	CAP**4824A**	58CV(A,X)135-22	46,500	11.5	13.5
3465273	38HDR048-52	CAP**4824A**	58CV(A,X)155-22	46,500	11.5	13.5
3465275	38HDR048-52	CAP**4824A**	58MEB120-20	46,500	11.5	14.0
3465271	38HDR048-52	CAP**4824A**	58MV(B,C)120-20	46,500	11.5	13.5
3465274	38HDR048-52	CAP**4824A**	58PH*135-20	46,500	11.5	14.0
3465270	38HDR048-52	CAP**4824A**+TDR		47,000	11.0	13.0
3465279	38HDR048-52	CAP**6021A**	58CV(A,X)110-20	47,000	11.5	13.5
3465282	38HDR048-52	CAP**6021A**	58MEB100-20	47,000	12.0	14.5
3465277	38HDR048-52	CAP**6021A**	58MV(B,C)080-20	47,000	11.5	13.5
3465278	38HDR048-52	CAP**6021A**	58MV(B,C)100-20	47,000	11.5	13.5
3465280	38HDR048-52	CAP**6021A**	58PH*090-16	47,000	12.0	14.5
3465281	38HDR048-52	CAP**6021A**	58PH*110-20	47,000	12.0	14.5
3465276	38HDR048-52	CAP**6021A**+TDR		47,500	11.0	13.0
3465285	38HDR048-52	CAP**6024A**	58CV(A,X)135-22	47,000	11.5	13.5
3465286	38HDR048-52	CAP**6024A**	58CV(A,X)155-22	47,000	11.5	14.0
3465288	38HDR048-52	CAP**6024A**	58MEB120-20	47,000	12.0	14.5
3465284	38HDR048-52	CAP**6024A**	58MV(B,C)120-20	47,000	11.5	13.5
3465287	38HDR048-52	CAP**6024A**	58PH*135-20	47,000	12.0	14.5
3465283	38HDR048-52	CAP**6024A**+TDR		47,500	11.0	13.0
3465335	38HDR048-52	CNPF*4818A**+TDR		46,000	11.0	13.0
3465311	38HDR048-52	CNPH*4821A**	58CV(A,X)090-16	46,500	11.5	13.5
3465312	38HDR048-52	CNPH*4821A**	58CV(A,X)110-20	46,500	11.5	13.5
3465313	38HDR048-52	CNPH*4821A**	58CV(A,X)135-22	46,500	11.5	13.5
3465314	38HDR048-52	CNPH*4821A**	58CV(A,X)155-22	46,500	11.5	13.5
3465318	38HDR048-52	CNPH*4821A**	58MEB080-16	46,500	11.5	14.0
3465319	38HDR048-52	CNPH*4821A**	58MEB100-20	46,500	11.5	14.0
3465320	38HDR048-52	CNPH*4821A**	58MEB120-20	46,500	11.5	14.0
3465308	38HDR048-52	CNPH*4821A**	58MV(B,C)080-20	46,500	11.5	13.5
3465309	38HDR048-52	CNPH*4821A**	58MV(B,C)100-20	46,500	11.5	13.5
3465310	38HDR048-52	CNPH*4821A**	58MV(B,C)120-20	46,500	11.5	13.5
3465315	38HDR048-52	CNPH*4821A**	58PH*090-16	46,500	11.5	13.5
3465316	38HDR048-52	CNPH*4821A**	58PH*110-20	46,500	11.5	13.5
3465317	38HDR048-52	CNPH*4821A**	58PH*135-20	46,500	11.5	13.5
3465307	38HDR048-52	CNPH*4821A**+TDR		47,000	11.0	13.0
3465325	38HDR048-52	CNPH*6024A**	58CV(A,X)090-16	47,000	11.5	13.5
3465326	38HDR048-52	CNPH*6024A**	58CV(A,X)110-20	47,000	11.5	13.5
3465327	38HDR048-52	CNPH*6024A**	58CV(A,X)135-22	47,000	11.5	13.5
3465328	38HDR048-52	CNPH*6024A**	58CV(A,X)155-22	47,000	11.5	14.0
3465332	38HDR048-52	CNPH*6024A**	58MEB080-16	47,000	11.5	14.0
3465333	38HDR048-52	CNPH*6024A**	58MEB100-20	47,000	12.0	14.5
3465334	38HDR048-52	CNPH*6024A**	58MEB120-20	47,000	12.0	14.5
3465322	38HDR048-52	CNPH*6024A**	58MV(B,C)080-20	47,000	11.5	13.5
3465323	38HDR048-52	CNPH*6024A**	58MV(B,C)100-20	47,000	11.5	13.5
3465324	38HDR048-52	CNPH*6024A**	58MV(B,C)120-20	47,000	11.5	13.5
3465329	38HDR048-52	CNPH*6024A**	58PH*090-16	47,000	12.0	14.5
3465330	38HDR048-52	CNPH*6024A**	58PH*110-20	47,000	12.0	14.5
3465331	38HDR048-52	CNPH*6024A**	58PH*135-20	47,000	12.0	14.5
3465321	38HDR048-52	CNPH*6024A**+TDR		47,500	11.0	13.0
3465291	38HDR048-52	CNPV*4821A**	58CV(A,X)110-20	46,500	11.5	13.5
3465294	38HDR048-52	CNPV*4821A**	58MEB100-20	46,500	11.5	13.5
3465289	38HDR048-52	CNPV*4821A**	58MV(B,C)080-20	46,500	11.5	13.5
3465290	38HDR048-52	CNPV*4821A**	58MV(B,C)100-20	46,500	11.5	13.5
3465292	38HDR048-52	CNPV*4821A**	58PH*090-16	46,500	11.5	14.0
3465293	38HDR048-52	CNPV*4821A**	58PH*110-20	46,500	11.5	14.0
3465297	38HDR048-52	CNPV*4824A**	58CV(A,X)135-22	46,500	11.5	13.5
3465298	38HDR048-52	CNPV*4824A**	58CV(A,X)155-22	46,500	11.5	13.5
3465300	38HDR048-52	CNPV*4824A**	58MEB120-20	46,500	11.5	14.0
3465296	38HDR048-52	CNPV*4824A**	58MV(B,C)120-20	46,500	11.5	13.5
3465299	38HDR048-52	CNPV*4824A**	58PH*135-20	46,500	11.5	14.0
3465295	38HDR048-52	CNPV*4824A**+TDR		47,000	11.0	13.0
3465303	38HDR048-52	CNPV*6024A**	58CV(A,X)135-22	47,000	11.5	13.5
3465304	38HDR048-52	CNPV*6024A**	58CV(A,X)155-22	47,000	11.5	14.0
3465306	38HDR048-52	CNPV*6024A**	58MEB120-20	47,000	12.0	14.5
3465302	38HDR048-52	CNPV*6024A**	58MV(B,C)120-20	47,000	11.5	13.5
3465305	38HDR048-52	CNPV*6024A**	58PH*135-20	47,000	12.0	14.5
3465301	38HDR048-52	CNPV*6024A**+TDR		47,500	11.0	13.0
3465340	38HDR048-52	CSPH*4812A**	58CV(A,X)090-16	46,500	11.5	13.5
3465341	38HDR048-52	CSPH*4812A**	58CV(A,X)110-20	46,500	11.5	13.5
3465342	38HDR048-52	CSPH*4812A**	58CV(A,X)135-22	46,500	11.5	13.5
3465343	38HDR048-52	CSPH*4812A**	58CV(A,X)155-22	46,500	11.5	13.5

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465347	38HDR048-52	CSPH*4812A**	58MEB080-16	46,500	11.5	14.0
3465348	38HDR048-52	CSPH*4812A**	58MEB100-20	46,500	11.5	14.0
3465349	38HDR048-52	CSPH*4812A**	58MEB120-20	46,500	11.5	14.0
3465337	38HDR048-52	CSPH*4812A**	58MV(B,C)080-20	46,500	11.5	13.5
3465338	38HDR048-52	CSPH*4812A**	58MV(B,C)100-20	46,500	11.5	13.5
3465339	38HDR048-52	CSPH*4812A**	58MV(B,C)120-20	46,500	11.5	13.5
3465344	38HDR048-52	CSPH*4812A**	58PH*090-16	46,500	11.5	14.0
3465345	38HDR048-52	CSPH*4812A**	58PH*110-20	46,500	11.5	14.0
3465346	38HDR048-52	CSPH*4812A**	58PH*135-20	46,500	11.5	14.0
3465336	38HDR048-52	CSPH*4812A**+TDR		47,000	11.0	13.0
3465354	38HDR048-52	CSPH*6012A**	58CV(A,X)090-16	47,000	11.5	13.5
3465355	38HDR048-52	CSPH*6012A**	58CV(A,X)110-20	47,000	11.5	14.0
3465356	38HDR048-52	CSPH*6012A**	58CV(A,X)135-22	47,000	11.5	14.0
3465357	38HDR048-52	CSPH*6012A**	58CV(A,X)155-22	47,000	11.5	14.0
3465361	38HDR048-52	CSPH*6012A**	58MEB080-16	47,000	12.0	14.5
3465362	38HDR048-52	CSPH*6012A**	58MEB100-20	47,000	12.0	14.5
3465363	38HDR048-52	CSPH*6012A**	58MEB120-20	47,000	12.0	14.5
3465351	38HDR048-52	CSPH*6012A**	58MV(B,C)080-20	47,000	11.5	13.5
3465352	38HDR048-52	CSPH*6012A**	58MV(B,C)100-20	47,000	11.5	13.5
3465353	38HDR048-52	CSPH*6012A**	58MV(B,C)120-20	47,000	11.5	13.5
3465358	38HDR048-52	CSPH*6012A**	58PH*090-16	47,000	12.0	14.5
3465359	38HDR048-52	CSPH*6012A**	58PH*110-20	47,000	12.0	14.5
3465360	38HDR048-52	CSPH*6012A**	58PH*135-20	47,000	12.0	14.5
3465350	38HDR048-52	CSPH*6012A**+TDR		47,500	11.0	13.0
3465368	38HDR048-52	FE4AN(B,F)005+UI		47,000	11.5	13.5
3465369	38HDR048-52	FE4ANB006+UI		47,500	11.5	14.0
3465370	38HDR048-52	FV4BN(B,F)005		47,000	11.5	14.0
3465371	38HDR048-52	FV4BNB006		47,500	11.5	14.0
3465366	38HDR048-52	FX4CN(B,F)048		47,000	11.5	13.5
3465367	38HDR048-52	FX4CN(B,F)060		47,500	11.5	14.0
3465365	38HDR048-52	FY4ANB060		47,500	11.0	13.0
3465364	38HDR048-52	FY4ANF048		47,000	11.0	13.0
3465372	38HDR048-62	†CNPV*4821A**+TDR		47,000	11.0	13.0
3465809	38HDR048-62	40QAC048-3		45,500	11.5	13.0
3465374	38HDR048-62	CAP**4817A**	58CV(A,X)090-16	46,500	11.5	13.5
3465376	38HDR048-62	CAP**4817A**	58MEB080-16	46,500	11.5	14.0
3465375	38HDR048-62	CAP**4817A**	58PH*070-16	46,500	11.5	13.5
3465373	38HDR048-62	CAP**4817A**+TDR		46,500	11.0	13.0
3465380	38HDR048-62	CAP**4821A**	58CV(A,X)110-20	46,500	11.5	13.5
3465383	38HDR048-62	CAP**4821A**	58MEB100-20	46,500	11.5	14.0
3465378	38HDR048-62	CAP**4821A**	58MV(B,C)080-20	46,000	11.5	13.5
3465379	38HDR048-62	CAP**4821A**	58MV(B,C)100-20	46,500	11.5	13.5
3465381	38HDR048-62	CAP**4821A**	58PH*090-16	46,500	11.5	14.0
3465382	38HDR048-62	CAP**4821A**	58PH*110-20	46,500	11.5	14.0
3465377	38HDR048-62	CAP**4821A**+TDR		47,000	11.0	13.0
3465386	38HDR048-62	CAP**4824A**	58CV(A,X)135-22	46,500	11.5	13.5
3465387	38HDR048-62	CAP**4824A**	58CV(A,X)155-22	46,500	11.5	13.5
3465389	38HDR048-62	CAP**4824A**	58MEB120-20	46,500	11.5	14.0
3465385	38HDR048-62	CAP**4824A**	58MV(B,C)120-20	46,500	11.5	13.5
3465388	38HDR048-62	CAP**4824A**	58PH*135-20	46,500	11.5	14.0
3465384	38HDR048-62	CAP**4824A**+TDR		47,000	11.0	13.0
3465393	38HDR048-62	CAP**6021A**	58CV(A,X)110-20	47,000	11.5	13.5
3465396	38HDR048-62	CAP**6021A**	58MEB100-20	47,000	12.0	14.5
3465391	38HDR048-62	CAP**6021A**	58MV(B,C)080-20	47,000	11.5	13.5
3465392	38HDR048-62	CAP**6021A**	58MV(B,C)100-20	47,000	11.5	13.5
3465394	38HDR048-62	CAP**6021A**	58PH*090-16	47,000	12.0	14.5
3465395	38HDR048-62	CAP**6021A**	58PH*110-20	47,000	12.0	14.5
3465390	38HDR048-62	CAP**6021A**+TDR		47,500	11.0	13.0
3465399	38HDR048-62	CAP**6024A**	58CV(A,X)135-22	47,000	11.5	13.5
3465400	38HDR048-62	CAP**6024A**	58CV(A,X)155-22	47,000	11.5	14.0
3465402	38HDR048-62	CAP**6024A**	58MEB120-20	47,000	12.0	14.5
3465398	38HDR048-62	CAP**6024A**	58MV(B,C)120-20	47,000	11.5	13.5
3465401	38HDR048-62	CAP**6024A**	58PH*135-20	47,000	12.0	14.5
3465397	38HDR048-62	CAP**6024A**+TDR		47,500	11.0	13.0
3465449	38HDR048-62	CNPF*4818A**+TDR		46,000	11.0	13.0
3465425	38HDR048-62	CNPH*4821A**	58CV(A,X)090-16	46,500	11.5	13.5
3465426	38HDR048-62	CNPH*4821A**	58CV(A,X)110-20	46,500	11.5	13.5
3465427	38HDR048-62	CNPH*4821A**	58CV(A,X)135-22	46,500	11.5	13.5
3465428	38HDR048-62	CNPH*4821A**	58CV(A,X)155-22	46,500	11.5	13.5
3465432	38HDR048-62	CNPH*4821A**	58MEB080-16	46,500	11.5	14.0
3465433	38HDR048-62	CNPH*4821A**	58MEB100-20	46,500	11.5	14.0
3465434	38HDR048-62	CNPH*4821A**	58MEB120-20	46,500	11.5	14.0
3465422	38HDR048-62	CNPH*4821A**	58MV(B,C)080-20	46,500	11.5	13.5
3465423	38HDR048-62	CNPH*4821A**	58MV(B,C)100-20	46,500	11.5	13.5
3465424	38HDR048-62	CNPH*4821A**	58MV(B,C)120-20	46,500	11.5	13.5
3465429	38HDR048-62	CNPH*4821A**	58PH*090-16	46,500	11.5	13.5
3465430	38HDR048-62	CNPH*4821A**	58PH*110-20	46,500	11.5	13.5
3465431	38HDR048-62	CNPH*4821A**	58PH*135-20	46,500	11.5	13.5

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465421	38HDR048-62	CNPH*4821A**+TDR		47,000	11.0	13.0
3465439	38HDR048-62	CNPH*6024A**	58CV(A,X)090-16	47,000	11.5	13.5
3465440	38HDR048-62	CNPH*6024A**	58CV(A,X)110-20	47,000	11.5	13.5
3465441	38HDR048-62	CNPH*6024A**	58CV(A,X)135-22	47,000	11.5	13.5
3465442	38HDR048-62	CNPH*6024A**	58CV(A,X)155-22	47,000	11.5	14.0
3465446	38HDR048-62	CNPH*6024A**	58MEB080-16	47,000	11.5	14.0
3465447	38HDR048-62	CNPH*6024A**	58MEB100-20	47,000	12.0	14.5
3465448	38HDR048-62	CNPH*6024A**	58MEB120-20	47,000	12.0	14.5
3465436	38HDR048-62	CNPH*6024A**	58MV(B,C)080-20	47,000	11.5	13.5
3465437	38HDR048-62	CNPH*6024A**	58MV(B,C)100-20	47,000	11.5	13.5
3465438	38HDR048-62	CNPH*6024A**	58MV(B,C)120-20	47,000	11.5	13.5
3465443	38HDR048-62	CNPH*6024A**	58PH*090-16	47,000	12.0	14.5
3465444	38HDR048-62	CNPH*6024A**	58PH*110-20	47,000	12.0	14.5
3465445	38HDR048-62	CNPH*6024A**	58PH*135-20	47,000	12.0	14.5
3465435	38HDR048-62	CNPH*6024A**+TDR		47,500	11.0	13.0
3465405	38HDR048-62	CNPV*4821A**	58CV(A,X)110-20	46,500	11.5	13.5
3465408	38HDR048-62	CNPV*4821A**	58MEB100-20	46,500	11.5	13.5
3465403	38HDR048-62	CNPV*4821A**	58MV(B,C)080-20	46,500	11.5	13.5
3465404	38HDR048-62	CNPV*4821A**	58MV(B,C)100-20	46,500	11.5	13.5
3465406	38HDR048-62	CNPV*4821A**	58PH*090-16	46,500	11.5	14.0
3465407	38HDR048-62	CNPV*4821A**	58PH*110-20	46,500	11.5	14.0
3465411	38HDR048-62	CNPV*4824A**	58CV(A,X)135-22	46,500	11.5	13.5
3465412	38HDR048-62	CNPV*4824A**	58CV(A,X)155-22	46,500	11.5	13.5
3465414	38HDR048-62	CNPV*4824A**	58MEB120-20	46,500	11.5	14.0
3465410	38HDR048-62	CNPV*4824A**	58MV(B,C)120-20	46,500	11.5	13.5
3465413	38HDR048-62	CNPV*4824A**	58PH*135-20	46,500	11.5	14.0
3465409	38HDR048-62	CNPV*4824A**+TDR		47,000	11.0	13.0
3465417	38HDR048-62	CNPV*6024A**	58CV(A,X)135-22	47,000	11.5	13.5
3465418	38HDR048-62	CNPV*6024A**	58CV(A,X)155-22	47,000	11.5	14.0
3465420	38HDR048-62	CNPV*6024A**	58MEB120-20	47,000	12.0	14.5
3465416	38HDR048-62	CNPV*6024A**	58MV(B,C)120-20	47,000	11.5	13.5
3465419	38HDR048-62	CNPV*6024A**	58PH*135-20	47,000	12.0	14.5
3465415	38HDR048-62	CNPV*6024A**+TDR		47,500	11.0	13.0
3465454	38HDR048-62	CSPH*4812A**	58CV(A,X)090-16	46,500	11.5	13.5
3465455	38HDR048-62	CSPH*4812A**	58CV(A,X)110-20	46,500	11.5	13.5
3465456	38HDR048-62	CSPH*4812A**	58CV(A,X)135-22	46,500	11.5	13.5
3465457	38HDR048-62	CSPH*4812A**	58CV(A,X)155-22	46,500	11.5	13.5
3465461	38HDR048-62	CSPH*4812A**	58MEB080-16	46,500	11.5	14.0
3465462	38HDR048-62	CSPH*4812A**	58MEB100-20	46,500	11.5	14.0
3465463	38HDR048-62	CSPH*4812A**	58MEB120-20	46,500	11.5	14.0
3465451	38HDR048-62	CSPH*4812A**	58MV(B,C)080-20	46,500	11.5	13.5
3465452	38HDR048-62	CSPH*4812A**	58MV(B,C)100-20	46,500	11.5	13.5
3465453	38HDR048-62	CSPH*4812A**	58MV(B,C)120-20	46,500	11.5	13.5
3465458	38HDR048-62	CSPH*4812A**	58PH*090-16	46,500	11.5	14.0
3465459	38HDR048-62	CSPH*4812A**	58PH*110-20	46,500	11.5	14.0
3465460	38HDR048-62	CSPH*4812A**	58PH*135-20	46,500	11.5	14.0
3465450	38HDR048-62	CSPH*4812A**+TDR		47,000	11.0	13.0
3465468	38HDR048-62	CSPH*6012A**	58CV(A,X)090-16	47,000	11.5	13.5
3465469	38HDR048-62	CSPH*6012A**	58CV(A,X)110-20	47,000	11.5	14.0
3465470	38HDR048-62	CSPH*6012A**	58CV(A,X)135-22	47,000	11.5	14.0
3465471	38HDR048-62	CSPH*6012A**	58CV(A,X)155-22	47,000	11.5	14.0
3465475	38HDR048-62	CSPH*6012A**	58MEB080-16	47,000	12.0	14.5
3465476	38HDR048-62	CSPH*6012A**	58MEB100-20	47,000	12.0	14.5
3465477	38HDR048-62	CSPH*6012A**	58MEB120-20	47,000	12.0	14.5
3465465	38HDR048-62	CSPH*6012A**	58MV(B,C)080-20	47,000	11.5	13.5
3465466	38HDR048-62	CSPH*6012A**	58MV(B,C)100-20	47,000	11.5	13.5
3465467	38HDR048-62	CSPH*6012A**	58MV(B,C)120-20	47,000	11.5	13.5
3465472	38HDR048-62	CSPH*6012A**	58PH*090-16	47,000	12.0	14.5
3465473	38HDR048-62	CSPH*6012A**	58PH*110-20	47,000	12.0	14.5
3465474	38HDR048-62	CSPH*6012A**	58PH*135-20	47,000	12.0	14.5
3465464	38HDR048-62	CSPH*6012A**+TDR		47,500	11.0	13.0
3465482	38HDR048-62	FE4AN(B,F)005+UI		47,000	11.5	13.5
3465483	38HDR048-62	FE4ANB006+UI		47,500	11.5	14.0
3465484	38HDR048-62	FV4BN(B,F)005		47,000	11.5	14.0
3465485	38HDR048-62	FV4BNB006		47,500	11.5	14.0
3465480	38HDR048-62	FX4CN(B,F)048		47,000	11.5	13.5
3465481	38HDR048-62	FX4CN(B,F)060		47,500	11.5	14.0
3465479	38HDR048-62	FY4ANB060		47,500	11.0	13.0
3465478	38HDR048-62	FY4ANF048		47,000	11.0	13.0
3465024	38HDR060-32	†CNPV*6024A**+TDR		57,000	11.0	13.0
3465810	38HDR060-32	40QAC060-3		56,000	11.0	13.0
3465026	38HDR060-32	CAP**6021A**	58CV(A,X)110-20	56,000	11.0	13.2
3465029	38HDR060-32	CAP**6021A**	58MEB100-20	56,000	11.0	13.5
3465027	38HDR060-32	CAP**6021A**	58PH*090-16	56,000	11.0	13.2
3465028	38HDR060-32	CAP**6021A**	58PH*110-20	56,000	11.0	13.5
3465025	38HDR060-32	CAP**6021A**+TDR		57,000	11.0	13.0
3465031	38HDR060-32	CAP**6024A**	58CV(A,X)135-22	56,000	11.0	13.5
3465032	38HDR060-32	CAP**6024A**	58CV(A,X)155-22	56,000	11.0	13.5

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COMBINATION RATINGS (CONT.)

ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465034	38HDR060-32	CAP**6024A**	58MEB120-20	56,000	11.0	13.5
3465033	38HDR060-32	CAP**6024A**	58PH*135-20	56,000	11.0	13.5
3465030	38HDR060-32	CAP**6024A**+TDR		57,000	11.0	13.0
3465040	38HDR060-32	CNPH*6024A**	58CV(A,X)110-20	56,000	11.0	13.2
3465041	38HDR060-32	CNPH*6024A**	58CV(A,X)135-22	56,000	11.0	13.5
3465042	38HDR060-32	CNPH*6024A**	58CV(A,X)155-22	56,000	11.0	13.5
3465046	38HDR060-32	CNPH*6024A**	58MEB080-16	56,000	11.0	13.2
3465047	38HDR060-32	CNPH*6024A**	58MEB100-20	56,000	11.0	13.5
3465048	38HDR060-32	CNPH*6024A**	58MEB120-20	56,000	11.0	13.5
3465043	38HDR060-32	CNPH*6024A**	58PH*090-16	56,000	11.0	13.2
3465044	38HDR060-32	CNPH*6024A**	58PH*110-20	56,000	11.0	13.5
3465045	38HDR060-32	CNPH*6024A**	58PH*135-20	56,000	11.0	13.5
3465039	38HDR060-32	CNPH*6024A**+TDR		57,000	11.0	13.0
3465035	38HDR060-32	CNPV*6024A**	58CV(A,X)135-22	56,000	11.0	13.5
3465036	38HDR060-32	CNPV*6024A**	58CV(A,X)155-22	56,000	11.0	13.5
3465038	38HDR060-32	CNPV*6024A**	58MEB120-20	56,000	11.0	13.5
3465037	38HDR060-32	CNPV*6024A**	58PH*135-20	56,000	11.0	13.5
3465051	38HDR060-32	CSPH*6012A**	58CV(A,X)110-20	56,000	11.0	13.5
3465052	38HDR060-32	CSPH*6012A**	58CV(A,X)135-22	56,000	11.0	13.5
3465053	38HDR060-32	CSPH*6012A**	58CV(A,X)155-22	56,000	11.0	13.5
3465057	38HDR060-32	CSPH*6012A**	58MEB080-16	56,000	11.0	13.2
3465058	38HDR060-32	CSPH*6012A**	58MEB100-20	56,000	11.0	13.5
3465059	38HDR060-32	CSPH*6012A**	58MEB120-20	56,000	11.0	13.5
3465050	38HDR060-32	CSPH*6012A**	58MV(B,C)120-20	56,000	11.0	13.2
3465054	38HDR060-32	CSPH*6012A**	58PH*090-16	56,000	11.0	13.5
3465055	38HDR060-32	CSPH*6012A**	58PH*110-20	56,000	11.0	13.5
3465056	38HDR060-32	CSPH*6012A**	58PH*135-20	56,000	11.0	13.5
3465049	38HDR060-32	CSPH*6012A**+TDR		57,000	11.0	13.0
3465062	38HDR060-32	FE4ANB006+UI		57,500	11.0	13.5
3465063	38HDR060-32	FV4BNB006		57,500	11.0	13.5
3465061	38HDR060-32	FX4CN(B,F)060		57,500	11.0	13.5
3465060	38HDR060-32	FY4ANB060		57,000	11.0	13.0
3465064	38HDR060-52	†CNPV*6024A**+TDR		57,000	11.0	13.0
3465811	38HDR060-52	40QAC060-3		56,000	11.0	13.0
3465066	38HDR060-52	CAP**6021A**	58CV(A,X)110-20	56,000	11.0	13.2
3465069	38HDR060-52	CAP**6021A**	58MEB100-20	56,000	11.0	13.5
3465067	38HDR060-52	CAP**6021A**	58PH*090-16	56,000	11.0	13.2
3465068	38HDR060-52	CAP**6021A**	58PH*110-20	56,000	11.0	13.5
3465065	38HDR060-52	CAP**6021A**+TDR		57,000	11.0	13.0
3465071	38HDR060-52	CAP**6024A**	58CV(A,X)135-22	56,000	11.0	13.5
3465072	38HDR060-52	CAP**6024A**	58CV(A,X)155-22	56,000	11.0	13.5
3465074	38HDR060-52	CAP**6024A**	58MEB120-20	56,000	11.0	13.5
3465073	38HDR060-52	CAP**6024A**	58PH*135-20	56,000	11.0	13.5
3465070	38HDR060-52	CAP**6024A**+TDR		57,000	11.0	13.0
3465080	38HDR060-52	CNPH*6024A**	58CV(A,X)110-20	56,000	11.0	13.2
3465081	38HDR060-52	CNPH*6024A**	58CV(A,X)135-22	56,000	11.0	13.5
3465082	38HDR060-52	CNPH*6024A**	58CV(A,X)155-22	56,000	11.0	13.5
3465086	38HDR060-52	CNPH*6024A**	58MEB080-16	56,000	11.0	13.2
3465087	38HDR060-52	CNPH*6024A**	58MEB100-20	56,000	11.0	13.5
3465088	38HDR060-52	CNPH*6024A**	58MEB120-20	56,000	11.0	13.5
3465083	38HDR060-52	CNPH*6024A**	58PH*090-16	56,000	11.0	13.2
3465084	38HDR060-52	CNPH*6024A**	58PH*110-20	56,000	11.0	13.5
3465085	38HDR060-52	CNPH*6024A**	58PH*135-20	56,000	11.0	13.5
3465079	38HDR060-52	CNPH*6024A**+TDR		57,000	11.0	13.0
3465075	38HDR060-52	CNPV*6024A**	58CV(A,X)135-22	56,000	11.0	13.5
3465076	38HDR060-52	CNPV*6024A**	58CV(A,X)155-22	56,000	11.0	13.5
3465078	38HDR060-52	CNPV*6024A**	58MEB120-20	56,000	11.0	13.5
3465077	38HDR060-52	CNPV*6024A**	58PH*135-20	56,000	11.0	13.5
3465091	38HDR060-52	CSPH*6012A**	58CV(A,X)110-20	56,000	11.0	13.5
3465092	38HDR060-52	CSPH*6012A**	58CV(A,X)135-22	56,000	11.0	13.5
3465093	38HDR060-52	CSPH*6012A**	58CV(A,X)155-22	56,000	11.0	13.5
3465097	38HDR060-52	CSPH*6012A**	58MEB080-16	56,000	11.0	13.2
3465098	38HDR060-52	CSPH*6012A**	58MEB100-20	56,000	11.0	13.5
3465099	38HDR060-52	CSPH*6012A**	58MEB120-20	56,000	11.0	13.5
3465090	38HDR060-52	CSPH*6012A**	58MV(B,C)120-20	56,000	11.0	13.2
3465094	38HDR060-52	CSPH*6012A**	58PH*090-16	56,000	11.0	13.5
3465095	38HDR060-52	CSPH*6012A**	58PH*110-20	56,000	11.0	13.5
3465096	38HDR060-52	CSPH*6012A**	58PH*135-20	56,000	11.0	13.5
3465089	38HDR060-52	CSPH*6012A**+TDR		57,000	11.0	13.0
3465102	38HDR060-52	FE4ANB006+UI		57,500	11.0	13.5
3465103	38HDR060-52	FV4BNB006		57,500	11.0	13.5
3465101	38HDR060-52	FX4CN(B,F)060		57,500	11.0	13.5
3465100	38HDR060-52	FY4ANB060		57,000	11.0	13.0
3465104	38HDR060-62	†CNPV*6024A**+TDR		57,000	11.0	13.0
3465812	38HDR060-62	40QAC060-3		56,000	11.0	13.0
3465106	38HDR060-62	CAP**6021A**	58CV(A,X)110-20	56,000	11.0	13.2
3465109	38HDR060-62	CAP**6021A**	58MEB100-20	56,000	11.0	13.5

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ARI Ref. No.	Model Number	Indoor Model	Furnace Model	Capacity	EER	SEER
3465107	38HDR060-62	CAP**6021A**	58PH*090-16	56,000	11.0	13.2
3465108	38HDR060-62	CAP**6021A**	58PH*110-20	56,000	11.0	13.5
3465105	38HDR060-62	CAP**6021A**+TDR		57,000	11.0	13.0
3465111	38HDR060-62	CAP**6024A**	58CV(A,X)135-22	56,000	11.0	13.5
3465112	38HDR060-62	CAP**6024A**	58CV(A,X)155-22	56,000	11.0	13.5
3465114	38HDR060-62	CAP**6024A**	58MEB120-20	56,000	11.0	13.5
3465113	38HDR060-62	CAP**6024A**	58PH*135-20	56,000	11.0	13.5
3465110	38HDR060-62	CAP**6024A**+TDR		57,000	11.0	13.0
3465120	38HDR060-62	CNPH*6024A**	58CV(A,X)110-20	56,000	11.0	13.2
3465121	38HDR060-62	CNPH*6024A**	58CV(A,X)135-22	56,000	11.0	13.5
3465122	38HDR060-62	CNPH*6024A**	58CV(A,X)155-22	56,000	11.0	13.5
3465126	38HDR060-62	CNPH*6024A**	58MEB080-16	56,000	11.0	13.2
3465127	38HDR060-62	CNPH*6024A**	58MEB100-20	56,000	11.0	13.5
3465128	38HDR060-62	CNPH*6024A**	58MEB120-20	56,000	11.0	13.5
3465123	38HDR060-62	CNPH*6024A**	58PH*090-16	56,000	11.0	13.2
3465124	38HDR060-62	CNPH*6024A**	58PH*110-20	56,000	11.0	13.5
3465125	38HDR060-62	CNPH*6024A**	58PH*135-20	56,000	11.0	13.5
3465119	38HDR060-62	CNPH*6024A**+TDR		57,000	11.0	13.0
3465115	38HDR060-62	CNPV*6024A**	58CV(A,X)135-22	56,000	11.0	13.5
3465116	38HDR060-62	CNPV*6024A**	58CV(A,X)155-22	56,000	11.0	13.5
3465118	38HDR060-62	CNPV*6024A**	58MEB120-20	56,000	11.0	13.5
3465117	38HDR060-62	CNPV*6024A**	58PH*135-20	56,000	11.0	13.5
3465131	38HDR060-62	CSPH*6012A**	58CV(A,X)110-20	56,000	11.0	13.5
3465132	38HDR060-62	CSPH*6012A**	58CV(A,X)135-22	56,000	11.0	13.5
3465133	38HDR060-62	CSPH*6012A**	58CV(A,X)155-22	56,000	11.0	13.5
3465137	38HDR060-62	CSPH*6012A**	58MEB080-16	56,000	11.0	13.2
3465138	38HDR060-62	CSPH*6012A**	58MEB100-20	56,000	11.0	13.5
3465139	38HDR060-62	CSPH*6012A**	58MEB120-20	56,000	11.0	13.5
3465130	38HDR060-62	CSPH*6012A**	58MV(B,C)120-20	56,000	11.0	13.2
3465134	38HDR060-62	CSPH*6012A**	58PH*090-16	56,000	11.0	13.5
3465135	38HDR060-62	CSPH*6012A**	58PH*110-20	56,000	11.0	13.5
3465136	38HDR060-62	CSPH*6012A**	58PH*135-20	56,000	11.0	13.5
3465129	38HDR060-62	CSPH*6012A**+TDR		57,000	11.0	13.0
3465142	38HDR060-62	FE4ANB006+UI		57,500	11.0	13.5
3465143	38HDR060-62	FV4BNB006		57,500	11.0	13.5
3465141	38HDR060-62	FX4CN(B,F)060		57,500	11.0	13.5
3465140	38HDR060-62	FY4ANB060		57,000	11.0	13.0

† Tested combination

EER — Energy Efficiency Ratio

SEER — Seasonal Energy Efficiency Ratio

TDR — Time-Delay Relay. In most cases, only 1 method should be used to achieve TDR function. Using more than 1 method in a system may cause degradation in performance. Use either the accessory Time-Delay Relay KAATD0101TDR or a furnace equipped with TDR. Most Carrier furnaces are equipped with TDR.

TXV — Thermostatic Expansion Valve

NOTES:

1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
2. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.
3. Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.
4. Do not apply with capillary tube coils as performance and reliability are significantly affected.

DETAILED COOLING CAPACITIES*

EVAPORATOR AIR		75 (23.9)				85 (29.4)				CONDENSER ENTERING AIR TEMPERATURES °F (°C)				95 (35)				105 (40.6)				115 (46.1)				125 (51.7)			
CFM	EWB ° F (° C)	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**				
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		
38HDXR018 Outdoor Section With CNPV*1814A** Indoor Section																													
525	72 (22.2)	20.28	9.40	1.22	19.31	9.07	1.36	18.30	8.73	1.52	17.26	8.38	1.69	16.14	8.01	1.87	14.90	7.61	2.07										
	67 (19.4)	18.53	11.50	1.22	17.65	11.17	1.36	16.72	10.82	1.52	15.76	10.47	1.69	14.72	10.09	1.87	13.59	9.69	2.07										
	62 (16.7)	16.93	13.58	1.23	16.13	13.24	1.37	15.29	12.89	1.52	14.43	12.52	1.69	13.57	13.57	1.87	12.71	12.71	2.07										
	57 (13.9)	16.35	16.35	1.23	15.72	15.72	1.37	15.05	15.05	1.52	14.34	14.34	1.69	13.57	13.57	1.87	12.71	12.71	2.07										
	72 (22.2)	20.65	9.87	1.25	19.63	9.53	1.39	18.59	9.18	1.54	17.50	8.83	1.71	16.34	8.46	1.90	15.05	8.05	2.10										
600	67 (19.4)	18.90	12.25	1.25	17.97	11.91	1.39	17.00	11.56	1.55	16.00	11.20	1.72	14.93	10.82	1.90	13.75	10.41	2.10										
	62 (16.7)	17.33	14.61	1.25	16.51	14.26	1.39	15.67	15.61	1.55	14.91	14.91	1.72	14.08	14.08	1.90	13.16	13.16	2.10										
	57 (13.9)	17.07	17.07	1.25	16.39	16.39	1.39	15.67	15.67	1.55	14.91	14.91	1.72	14.08	14.08	1.90	13.16	13.16	2.10										
	72 (22.2)	20.91	10.30	1.27	19.86	9.96	1.41	18.78	9.61	1.57	17.67	9.26	1.74	16.47	8.88	1.93	15.15	8.46	2.13										
	67 (19.4)	19.16	12.97	1.27	18.20	12.62	1.42	17.20	12.27	1.57	16.18	11.90	1.74	15.07	11.52	1.93	13.87	11.09	2.13										
675	62 (16.7)	17.70	17.52	1.28	16.94	16.94	1.42	16.17	16.17	1.57	15.37	15.37	1.74	14.49	14.49	1.93	13.52	13.52	2.13										
	57 (13.9)	17.67	17.67	1.28	16.94	16.94	1.42	16.17	16.17	1.57	15.37	15.37	1.74	14.49	14.49	1.93	13.52	13.52	2.13										

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL	COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CNPV*1814A**	1.00	1.00		CSPH*2412A**	1.02	0.98	58MV(B,C)080-14
40AC(Q)024-3	1.06	1.01		CNPV*2417A**	1.02	0.98	58MV(B)040-14
CAP**1814A**	1.00	1.01		CSPH*2412A**	1.02	0.98	58MV(B)040-14
CAP**2414A**	1.02	1.02		CAP**1814A**	0.10	0.10	58PH*045-08
CNPV*2417A**	1.02	1.02		CAP**2414A**	1.02	0.94	58PH*045-08
CNPV*2418A**	1.02	1.02		CNPV*2417A**	1.02	0.94	58PH*045-08
CNPV*2417A**	1.02	1.02		CNPV*1814A**	1.00	0.96	58PH*045-08
CNPV*2414A**	1.02	1.02		CNPV*2414A**	1.02	0.94	58PH*045-08
CNPV*2417A**	1.02	1.02		CSPH*2412A**	1.02	0.94	58PH*045-08
CSPH*2412A**	1.02	1.02					
FE4ANF002	1.02	0.98					
FF1ENP018	1.00	1.05					
FF1ENP024	1.02	1.07					
FV4BNF002	1.02	0.99					
FX4CNF018	1.00	0.96					
FX4CNF024	1.02	0.98					
FY4ANF018	1.00	1.05					
FY4ANF024	1.02	1.07					
CAP**1814A**	1.00	0.96	58CV(A,X)070-12				
CAP**2414A**	1.02	0.98	58CV(A,X)070-12				
CNPV*2417A**	1.02	0.98	58CV(A,X)070-12				
CNPV*1814A**	0.10	0.10	58CV(A,X)070-12				
CNPV*2414A**	1.02	0.98	58CV(A,X)070-12				
CSPH*2412A**	1.02	0.98	58CV(A,X)070-12				
CAP**2417A**	1.02	0.98	58CV(A,X)090-16				
CNPV*2417A**	1.02	0.98	58CV(A,X)090-16				
CSPH*2412A**	1.02	0.98	58CV(A,X)090-16				
CAP**2417A**	1.02	0.94	58MEB040-12				
CNPV*2417A**	1.02	0.94	58MEB040-12				
CSPH*2412A**	1.02	0.94	58MEB040-12				
CAP**2417A**	1.02	0.94	58MEB060-12				
CNPV*2417A**	1.02	0.94	58MEB060-12				
CSPH*2412A**	1.02	0.94	58MEB060-12				
CAP**2417A**	1.02	0.98	58MV(B,C)060-14				
CNPV*2417A**	1.02	0.98	58MV(B,C)060-14				
CSPH*2412A**	1.02	0.98	58MV(B,C)060-14				
CNPV*2417A**	1.02	0.98	58MV(B,C)060-14				
CSPH*2412A**	1.02	0.98	58MV(B,C)060-14				

See notes on pg. 34

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
CFM	EWB °F (°C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**	Capacity MBtu/h†		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
700	72 (22.2)	28.11	13.59	1.69	26.70	13.09	1.89	25.17	12.55	2.10	23.54	11.98	2.33	21.76	11.38	2.58	19.78	10.71	2.84
	67 (19.4)	25.68	16.61	1.68	24.41	16.11	1.87	23.04	15.58	2.09	21.58	15.02	2.32	19.98	14.42	2.57	18.21	13.77	2.83
	62 (16.7)	23.47	19.61	1.67	22.34	19.11	1.86	21.13	18.58	2.08	19.86	18.01	2.31	18.57	18.57	2.55	17.23	17.23	2.82
	57 (13.9)	22.67	22.67	1.67	21.77	21.77	1.86	20.81	20.81	2.07	19.75	19.75	2.31	18.57	18.57	2.55	17.23	17.23	2.82
	52 (11.1)	22.67	22.67	1.67	21.77	21.77	1.86	20.81	20.81	2.07	19.75	19.75	2.31	18.57	18.57	2.55	17.23	17.23	2.82
800	72 (22.2)	28.62	14.25	1.73	27.14	13.73	1.93	25.53	13.18	2.14	23.93	12.61	2.37	21.98	11.99	2.62	19.92	11.32	2.88
	67 (19.4)	26.18	17.67	1.72	24.84	17.16	1.91	23.40	16.61	2.13	21.88	16.05	2.36	20.22	15.43	2.61	18.38	14.76	2.87
	62 (16.7)	24.02	21.07	1.71	22.85	20.54	1.90	21.63	20.48	2.12	20.48	20.48	2.35	19.20	19.20	2.60	17.75	17.75	2.86
	57 (13.9)	22.68	23.64	1.71	22.68	22.68	1.90	21.62	21.62	2.12	20.48	20.48	2.35	19.20	19.20	2.60	17.75	17.75	2.86
	52 (11.1)	22.68	23.64	1.71	22.68	22.68	1.90	21.62	21.62	2.12	20.48	20.48	2.35	19.20	19.20	2.60	17.75	17.75	2.86
900	72 (22.2)	28.99	14.87	1.77	27.45	14.34	1.96	25.78	13.78	2.18	24.03	13.20	2.41	22.12	12.57	2.66	20.00	11.89	2.92
	67 (19.4)	26.54	18.68	1.76	25.15	18.16	1.95	23.66	17.61	2.17	22.09	17.03	2.40	20.38	16.40	2.65	18.50	15.71	2.91
	62 (16.7)	24.51	22.41	1.75	23.41	23.41	1.94	22.28	22.28	2.16	21.06	21.06	2.39	19.70	19.70	2.64	18.15	18.15	2.91
	57 (13.9)	24.45	24.45	1.75	23.41	23.41	1.94	22.28	22.28	2.16	21.06	21.06	2.39	19.70	19.70	2.64	18.15	18.15	2.91
	52 (11.1)	24.45	24.45	1.75	23.41	23.41	1.94	22.28	22.28	2.16	21.06	21.06	2.39	19.70	19.70	2.64	18.15	18.15	2.91

COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL	
*CNPV*2414A** 40QAC024-3	1.00 0.97	1.00 0.97	1.00 0.93		
CAP**2414A**	1.00	1.00	1.00		
CAP**2417A**	1.00	1.00	1.00		
CAP**3014A**	1.01	1.01	1.01		
CAP**3017A**	1.01	1.01	1.01		
CNPV*2418A**	1.00	1.00	1.00		
CNPV*2417A**	1.00	1.00	1.00		
CNPV*2417A**	1.01	1.01	1.01		
CNPV*3017A**	1.01	1.01	1.01		
CSPH*2412A**	1.00	1.00	1.00		
CSPH*3012A**	1.01	1.01	1.01		
FE4AN(B,F)003	1.02	0.93	0.93		
FE4ANF002	1.01	0.92	0.92		
FE5ANB004	1.03	0.94	0.94		
FF1ENP024	0.97	0.97	0.97		
FF1ENP025	1.00	0.96	0.96		
FF1ENP030	0.98	0.98	0.98		
FF1ENP031	1.01	0.96	0.96		
FF1ENP037	1.02	0.97	0.97		
FV4BN(B,F)003	1.02	0.93	0.93		
FV4BNF002	1.01	0.92	0.92		
FV4CN(B,F)003	1.02	0.93	0.93		
FV4CNF002	1.01	0.92	0.92		
FX4CNF024	1.00	0.96	0.96		
FX4CNF030	1.02	0.97	0.97		
FY4ANF024	0.99	0.99	0.99		
FY4ANF030	1.01	1.01	1.01		
CAP**2414A**	1.00	0.96	0.96	58CV(A,X)070-12	
CAP**3014A**	1.00	0.96	0.96	58CV(A,X)070-12	
CNPV*2417A**	1.00	0.96	0.96	CSPH*2417A**	
CNPV*3017A**	1.00	0.96	0.96	58CV(A,X)070-12	
CNPV*2414A**	1.00	0.96	0.96	CNPV*2414A**	
CNPV*3014A**	1.00	0.96	0.96	58CV(A,X)070-12	
CSPH*2412A**	1.00	0.96	0.96	CSPH*2412A**	
CSPH*3012A**	1.01	0.96	0.96	58CV(A,X)070-12	
CAP**2417A**	1.00	0.96	0.96	CNPV*2417A**	
CAP**3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.00	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.00	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV(A,X)090-16	
CNPV*2417A**	1.01	0.96	0.96	CNPV*2417A**	
CNPV*3017A**	1.01	0.96	0.96	58CV	

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
CFM	EWB ° F (° C)	75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtu/ht		Total System KW**	Capacity MBtu/ht		Total System KW**	Capacity MBtu/ht		Total System KW**	Capacity MBtu/ht		Total System KW**	Capacity MBtu/ht		Total System KW**	Capacity MBtu/ht		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
38HDR030 Outdoor Section With CNPV*3014A** Indoor Section																			
875	72 (22.2)	33.74	16.03	2.06	32.29	15.52	2.29	30.76	14.99	2.54	29.12	14.93	2.81	27.36	13.84	3.11	25.42	13.19	3.44
	67 (19.4)	30.65	19.58	2.06	29.32	19.06	2.29	27.90	18.51	2.54	26.39	17.94	2.81	24.76	17.34	3.11	22.97	16.69	3.43
	62 (16.7)	28.07	23.01	2.07	26.73	22.59	2.29	25.47	22.03	2.54	24.10	21.45	2.81	22.76	22.72	3.11	21.45	21.45	3.43
	57 (13.9)	27.14	27.14	2.07	26.16	26.16	2.29	25.11	25.11	2.53	24.01	24.01	2.80	22.78	22.78	3.11	21.43	21.43	3.43
1000	72 (22.2)	34.29	16.79	2.11	32.87	16.29	2.34	31.28	15.69	2.58	29.58	15.18	2.86	27.57	14.54	3.17	25.64	13.91	3.49
	67 (19.4)	31.27	20.81	2.11	29.84	20.29	2.34	28.40	19.75	2.58	26.82	19.17	2.86	24.99	18.52	3.16	23.21	17.87	3.49
	62 (16.7)	28.72	24.92	2.11	27.38	24.26	2.34	26.11	26.11	2.58	24.94	24.94	2.85	23.54	23.54	3.16	22.22	22.22	3.48
	57 (13.9)	28.28	28.28	2.11	27.23	27.23	2.34	26.13	26.13	2.58	24.94	24.94	2.85	23.54	23.54	3.16	22.22	22.22	3.48
1125	72 (22.2)	34.76	17.52	2.16	33.30	17.00	2.39	31.65	16.46	2.63	29.90	15.89	2.91	28.03	15.27	3.21	25.95	14.60	3.53
	67 (19.4)	31.86	21.48	2.16	30.25	21.46	2.38	28.76	20.92	2.63	27.14	20.32	2.90	25.39	19.69	3.21	23.44	18.98	3.54
	62 (16.7)	29.27	29.04	2.16	28.12	28.12	2.38	26.98	26.98	2.63	25.71	25.71	2.90	24.35	24.35	3.20	22.84	22.84	3.53
	57 (13.9)	29.23	29.23	2.16	28.13	28.13	2.38	26.99	26.99	2.63	25.71	25.71	2.90	24.23	24.23	3.21	22.85	22.85	3.53

COOLING INDOOR MODEL		CAPACITY	POWER	FURNACE MODEL	
*NVPV*3014A**	1.00	1.00	1.00	58CV(A.X)090-16	
CAP**3014A**	1.00	1.00	0.98	58CV(A.X)110-20	58MEB080-16
CAP**3017A**	1.00	1.00	0.96	58CV(A.X)110-20	58MEB080-16
CAP**3614A**	1.02	1.02	0.98	58CV(A.X)110-20	58MEB080-16
CAP**3617A**	1.02	1.02	0.96	58CV(A.X)110-20	58MEB080-16
CAP**3621A**	1.02	1.02	0.98	58CV(A.X)110-20	58MEB080-16
CNPV*3012A**	1.00	1.00	0.96	58CV(A.X)110-20	58MEB080-16
CNPV*3017A**	1.00	1.00	0.96	58CV(A.X)135-22	58MEB080-16
CNPV*3617A**	1.02	1.02	0.98	58CV(A.X)135-22	58MEB080-16
CNPV*3017A**	1.00	1.00	0.96	58CV(A.X)135-22	58MEB080-16
CNPV*3617A**	1.02	1.02	0.98	58CV(A.X)135-22	58MEB080-16
CNPV*3621A**	1.00	1.00	0.96	58CV(A.X)155-22	58MEB080-16
CNPV*3012A**	1.00	1.00	0.96	58CV(A.X)155-22	58MEB080-16
CNPV*3612A**	1.02	1.02	0.98	58CV(A.X)155-22	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB040-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB040-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB040-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB040-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB040-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB040-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB040-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB040-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB060-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB060-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB060-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB060-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB060-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB060-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3612A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CAP**3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CAP**3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3017A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16
CNPV*3617A**	1.02	1.02	0.94	58MEB080-12	58MEB080-16
CNPV*3012A**	1.00	1.00	0.92	58MEB080-12	58MEB080-16

DETAILED COOLING CAPACITIES* (CONT.)

38HDR030 Outdoor Section With CNPV*3014A** Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*3017A**	1.00	0.96	58PH*070-16
CNPV*3617A**	1.02	0.94	58PH*070-16
CSPH*3012A**	1.00	0.96	58PH*070-16
CSPH*3612A**	1.02	0.94	58PH*070-16
CAP**3621A*	1.02	0.94	58PH*090-16
CNPV*3017A**	1.00	0.96	58PH*090-16
CNPV*3621A**	1.02	0.94	58PH*090-16
CSPH*3012A**	1.00	0.96	58PH*090-16
CSPH*3612A**	1.02	0.94	58PH*090-16

See notes on pg. 34

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR			CONDENSER ENTERING AIR TEMPERATURES °F (°C)											
CFM	EWB °F (°C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		125 (51.7)		
		Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	Capacity MBtu/h†	Total System KW**	
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	
1050	72 (22.2)	39.85	18.85	38.03	18.23	2.68	36.08	17.58	2.98	33.99	16.89	3.30	31.72	16.14
	67(19.4)	36.33	23.19	34.67	22.57	2.68	32.91	21.91	2.98	31.02	21.23	3.30	28.99	20.49
	62 (16.7)	33.23	27.51	31.75	26.88	2.42	30.20	26.20	2.98	28.45	28.45	3.30	27.06	27.06
	57 (13.9)	32.46	32.46	31.26	31.26	2.68	29.98	29.98	2.98	28.59	28.59	3.30	27.06	27.06
	72(22.2)	40.51	19.77	38.61	19.14	2.74	36.57	18.47	3.04	34.40	17.77	3.36	32.04	17.01
1200	67(19.4)	36.97	24.67	35.23	24.04	2.74	33.40	23.38	3.04	31.45	22.68	3.36	29.33	21.93
	62 (16.7)	34.01	29.52	32.53	32.23	2.74	31.11	31.11	3.04	29.61	29.61	3.36	27.97	27.97
	57 (13.9)	33.78	33.78	32.49	32.49	2.74	31.11	31.11	3.04	29.62	29.62	3.36	27.97	27.97
	72 (22.2)	40.99	20.64	39.02	19.99	2.80	36.91	19.31	3.09	34.67	18.60	3.42	32.24	17.83
	67 (19.4)	37.43	26.09	35.65	25.45	2.80	33.76	24.78	3.10	31.75	24.06	3.42	29.58	23.29
1350	62 (16.7)	34.86	34.86	33.49	33.49	2.80	32.02	32.02	3.10	30.44	30.44	3.42	28.70	26.73
	57(13.9)	34.86	34.86	33.49	33.49	2.80	32.03	32.03	3.10	30.44	30.44	3.42	28.70	26.73

COOLING INDOOR MODEL	CAPACITY		POWER	FURNACE MODEL	
*GNPV*4221A**	1.00	1.00	0.96	58CV(A,X)110-20	58MEB080-16
40QAC(Q)036-3	0.96	0.92	0.95	58CV(A,X)110-20	58MEB080-16
CAP**3617A**	0.98	0.98	0.96	58CV(A,X)110-20	58MEB080-16
CAP**3621A**	0.99	0.99	0.95	58CV(A,X)110-20	58MEB100-20
CAP**4221A**	1.00	1.00	0.95	58CV(A,X)110-20	58MEB100-20
CAP**4224A**	1.00	1.00	0.96	58CV(A,X)110-20	58MEB100-20
CNPV*3618A**	0.99	0.99	0.96	58CV(A,X)135-22	58MEB100-20
CNPV*3617A**	0.99	0.99	0.95	58CV(A,X)135-22	58MEB100-20
CNPV*4221A**	1.00	1.00	0.96	58CV(A,X)135-22	58MEB100-20
CNPV*3617A**	0.99	0.99	0.95	58CV(A,X)135-22	58MEB100-20
CNPV*3621A**	0.99	0.99	0.96	58CV(A,X)135-22	58MEB100-20
CNPV*4217A**	0.99	0.99	0.96	58CV(A,X)155-22	58MEB100-20
CSPH*3612A**	0.99	0.99	0.95	58CV(A,X)155-22	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58CV(A,X)155-22	58MEB100-20
FE4AN(B,F)003	0.99	0.95	0.95	58CV(A,X)155-22	58MEB100-20
FE4AN(B,F)005	1.00	0.88	0.96	58CV(A,X)155-22	58MEB100-20
FE4AN(B,F)006	1.00	0.88	0.91	58MEB040-12	58MEB100-20
FE4ANF002	0.99	0.95	0.91	58MEB040-12	58MEB100-20
FE5AN(B,F)004	1.00	0.91	0.92	58MEB040-12	58MEB100-20
FF1ENP036	0.99	0.99	0.09	58MEB040-12	58MEB100-20
FV4BN(B,F)003	0.99	0.91	0.92	58MEB040-12	58MEB100-20
FV4BN(B,F)005	1.02	0.93	0.91	58MEB040-12	58MEB100-20
FV4BN(B,F)006	1.00	0.88	0.92	58MEB040-12	58MEB100-20
FV4BNF002	0.99	0.95	0.91	58MEB060-12	58MEB100-20
FV4BNF003	0.99	0.95	0.91	58MEB060-12	58MEB100-20
FV4ANF036	1.00	0.96	0.93	58MEB060-12	58MEB100-20
FV4ANF042	0.99	0.99	0.91	58MEB060-12	58MEB100-20
CAP**3614A**	0.98	0.93	0.91	58MEB060-12	58MEB100-20
CNPV*3617A**	0.99	0.99	0.92	58MEB060-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB060-12	58MEB100-20
CSPH*3612A**	0.99	0.99	0.91	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CAP**3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CSPH*3612A**	0.99	0.95	0.95	58MEB080-12	58MEB100-20
CSPH*4212A**	1.00	1.00	0.96	58MEB080-12	58MEB100-20
CAP**3621A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.96	0.92	58MEB080-12	58MEB100-20
CNPV*4221A**	1.00	1.00	0.92	58MEB080-12	58MEB100-20
CNPV*3617A**	0.99	0.95	0.91	58MEB080-12	58MEB100-20

DETAILED COOLING CAPACITIES* (CONT.)

38HDR036 Outdoor Section With CNPV*4221A** Indoor Section

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**4224A**	1.00	0.96	58MV(B, C)120-20
CNPH*3617A**	0.99	0.95	58MV(B, C)120-20
CNPH*4221A**	1.00	0.96	58MV(B, C)120-20
CSPH*3612A**	0.99	0.95	58MV(B, C)120-20
CSPH*4212A**	1.00	0.96	58MV(B, C)120-20
CAP**4224A**	1.00	0.96	58MV(B040-14
CNPH*3617A**	0.99	0.95	58MV(B040-14
CNPH*4221A**	1.00	0.96	58MV(B040-14
CSPH*3612A**	0.99	0.95	58MV(B040-14
CSPH*4212A**	1.00	0.96	58MV(B040-14
CAP**3614A**	0.99	0.95	58PH*045-08
CNPH*3617A**	0.99	0.95	58PH*045-08
CNPH*4221A**	1.00	0.96	58PH*045-08
CSPH*3612A**	0.99	0.95	58PH*045-08
CSPH*4212A**	1.00	0.96	58PH*045-08
CAP**3617A**	0.99	0.95	58PH*070-16
CNPH*3617A**	0.99	0.95	58PH*070-16
CNPH*4221A**	1.00	0.96	58PH*070-16
CNPV*3617A**	0.99	0.95	58PH*070-16
CNPV*4217A**	1.00	0.92	58PH*070-16
CSPH*3612A**	0.99	0.95	58PH*070-16
CSPH*4212A**	1.00	0.96	58PH*070-16
CAP**3621A**	0.99	0.91	58PH*090-16
CAP**4221A**	1.00	0.92	58PH*090-16
CNPH*3617A**	0.99	0.91	58PH*090-16
CNPH*4221A**	1.00	0.92	58PH*090-16
CNPV*3621A**	0.99	0.91	58PH*090-16
CNPV*4221A**	1.00	0.92	58PH*090-16
CSPH*3612A**	0.99	0.91	58PH*090-16
CSPH*4212A**	1.00	0.92	58PH*090-16
CAP**3621A**	0.99	0.91	58PH*110-20
CAP**4221A**	1.02	0.93	58PH*110-20
CNPH*3617A**	0.99	0.91	58PH*110-20
CNPH*4221A**	1.02	0.93	58PH*110-20
CNPV*3621A**	0.99	0.91	58PH*110-20
CNPV*4221A**	1.00	0.92	58PH*110-20
CSPH*3612A**	0.99	0.91	58PH*110-20
CSPH*4212A**	1.00	0.92	58PH*110-20

See notes on pg. 34

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR			CONDENSER ENTERING AIR TEMPERATURES °F (°C)																						
CFM	EWB ° F (° C)	75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)				125 (51.7)			
		Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**	Capacity MBtu/h		Total System KW**			
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
1460	72 (22.2)	57.22	27.09	3.31	3.74	50.83	24.90	4.20	47.23	23.69	43.24	22.38	38.87	20.99	5.76										
	67 (19.4)	52.21	33.21	3.33	3.76	46.57	31.08	4.22	43.40	29.91	39.95	28.66	36.03	27.26	5.77										
	62 (16.7)	47.74	39.31	3.35	3.78	42.88	37.19	4.23	40.25	39.91	37.64	37.64	34.63	34.63	5.78										
	57 (13.9)	46.44	46.44	3.36	3.78	42.48	42.48	4.23	40.21	40.21	37.65	37.65	34.63	34.63	5.78										
1650	72 (22.2)	58.13	28.26	3.37	3.81	51.42	26.01	4.27	47.67	24.78	43.52	23.45	39.26	22.10	5.84										
	67 (19.4)	53.07	35.09	3.40	3.83	47.16	32.91	4.29	43.87	31.73	40.28	30.44	36.23	28.99	5.85										
	62 (16.7)	48.75	41.89	3.42	3.85	43.85	43.85	4.30	41.42	41.42	38.64	38.64	35.37	35.37	5.85										
	57 (13.9)	48.17	48.17	3.43	3.85	43.88	43.88	4.30	41.42	41.42	38.64	38.64	35.37	35.37	5.85										
1850	72 (22.2)	58.83	29.41	3.45	3.88	51.86	27.12	4.35	47.97	25.87	43.73	24.52	39.89	23.26	5.92										
	67 (19.4)	53.74	36.97	3.48	3.91	47.62	34.76	4.37	44.22	33.55	40.51	32.22	36.39	30.70	5.93										
	62 (16.7)	49.74	44.35	3.50	3.92	45.09	45.09	4.38	42.44	42.44	39.46	39.46	35.96	35.96	5.93										
	57 (13.9)	49.69	49.69	3.50	3.92	45.09	45.09	4.38	42.45	42.45	39.46	39.46	35.97	35.97	5.93										

COOLING INDOOR MODEL				CAPACITY		POWER	FURNACE MODEL	
*CNPV*4821A**				1.00		1.00		
40QA048-3				0.97	0.93			
CAP**4817A**				0.99		0.99		
CAP**4821A**				1.00		1.00		
CAP**4824A**				1.00	1.00			
CAP**6021A**				1.01	1.01			
CAP**6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
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CNPV*4821A**				1.00	1.00			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
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CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
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CNPV*6024A**				1.01	1.01			
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CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
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CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
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CNPV*6024A**				1.01	1.01			
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CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
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CNPV*6024A**				1.01	1.01			
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CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
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CNPV*4818A**				0.98	0.98			
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CNPV*6024A**				1.01	1.01			
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CNPV*4818A**				0.98	0.98			
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CNPV*4818A**				0.98	0.98			
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CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
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CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
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CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
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CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
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CNPV*6024A**				1.01	1.01			
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CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
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CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4818A**				0.98	0.98			
CNPV*4821A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4824A**				1.00	1.00			
CNPV*6024A**				1.01	1.01			
CNPV*4817A**				1.00	1.00			
CNPV*4821A**				1.00	1.00			
CNPV								

DETAILED COOLING CAPACITIES** (CONT.)

EVAPORATOR AIR				CONDENSER ENTERING AIR TEMPERATURES °F (°C)															
CFM	EWB ° F (° C)	75 (23.9)		85 (29.4)		95 (35)		105 (40.6)		115 (46.1)		125 (51.7)							
		Capacity MBU/h†		Total System KW**		Capacity MBU/h†		Total System KW**		Capacity MBU/h†		Total System KW**							
		Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†						
38HIDR060 Outdoor Section With CNPV*6024A** Indoor Section																			
1750	72 (22.2)	68.88	33.36	4.20	65.13	32.05	4.64	60.97	30.62	5.12	56.47	29.10	5.64	51.66	27.52	6.20	46.31	25.80	6.80
	67 (19.4)	63.28	41.18	4.15	59.98	39.91	4.59	56.34	38.52	5.08	52.38	37.05	5.60	48.00	35.44	6.17	43.23	33.69	6.77
	62 (16.7)	58.24	48.95	4.11	55.37	47.69	4.55	52.27	46.30	5.04	48.91	48.85	5.57	45.63	41.69	6.15	41.69	41.69	6.76
	57 (13.9)	56.77	56.77	4.09	54.45	54.45	4.54	51.86	51.86	5.03	48.95	48.95	5.57	45.63	41.69	6.15	41.69	41.69	6.76
2000	72 (22.2)	69.89	34.93	4.31	65.94	33.59	4.75	61.58	32.12	5.23	56.96	30.59	5.71	52.01	29.02	6.31	47.30	27.45	6.92
	67 (19.4)	64.28	43.75	4.26	60.81	42.45	4.70	57.00	41.04	5.18	52.88	39.53	5.71	48.32	37.86	6.27	43.82	36.17	6.88
	62 (16.7)	59.48	52.47	4.22	56.55	51.08	4.66	53.58	53.58	5.15	50.40	50.40	5.68	46.78	46.78	6.26	42.62	42.62	6.87
	57 (13.9)	58.96	58.96	4.21	56.42	56.42	4.66	53.58	53.58	5.15	50.40	50.40	5.68	46.78	46.78	6.26	42.60	42.60	6.87
2250	72 (22.2)	70.60	36.41	4.42	66.50	35.04	4.86	61.97	33.55	5.33	57.25	32.02	5.85	52.14	30.44	6.41	48.41	29.01	7.04
	67 (19.4)	65.01	46.21	4.37	61.41	44.89	4.81	57.46	43.44	5.29	53.20	41.88	5.81	48.56	40.17	6.37	44.28	38.42	6.99
	62 (16.7)	60.67	60.67	4.33	58.00	58.00	4.78	54.94	54.94	5.26	51.52	51.52	5.79	47.63	47.63	6.36	43.18	43.18	6.98
	57 (13.9)	60.73	60.73	4.33	58.00	58.00	4.78	54.94	54.94	5.26	51.52	51.52	5.79	47.63	47.63	6.36	43.14	43.14	6.98

COOLING INDOOR MODEL				FURNACE MODEL			
*CNPV*6024A**	1.00	1.00		CNPV*6024A**	0.98	0.98	58CV(A,X)135-22
40QAC080-3	0.98	0.98		CNPV*6024A**	0.98	0.98	58CV(A,X)135-22
CAP**6021A**	1.00	1.00		CSPH*6012A**	0.98	0.98	58MV(B,C)120-20
CAP**6024A**	1.00	1.00		CAP**6024A**	0.98	0.98	58PH*090-16
CNPV*6024A**	1.00	1.00		CNPV*6024A**	0.98	0.98	58PH*090-16
CSPH*6012A**	1.00	1.00		CNPV*6024A**	0.98	0.98	58PH*090-16
FE4ANB006	1.01	1.01		CSPH*6012A**	0.98	0.98	58PH*110-20
FV4ANB006	1.01	1.01		CNPV*6024A**	0.98	0.98	58PH*110-20
FX4CN(B,F)060	1.01	1.01		CSPH*6012A**	0.98	0.98	58PH*110-20
FY4ANB060	1.00	1.00		CAP**6021A**	0.98	0.98	58PH*135-20
CAP**6021A**	0.98	0.98		CNPV*6024A**	0.98	0.98	58PH*135-20
CNPV*6024A**	0.98	0.98		CSPH*6012A**	0.98	0.98	58PH*135-20
CSPH*6012A**	0.98	0.98		CNPV*6024A**	0.98	0.98	58PH*135-20
CAP**6024A**	0.98	0.98		CSPH*6012A**	0.98	0.98	58PH*135-20

NOTE: When the required data fall between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

* Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per the latest edition of AHRI standard 210/240. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡ Sensible capacities shown are based on 80° F (27° C) entering air at the indoor coil. For sensible capacities at other than 80° F (27° C), deduct 835 Btu/h (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80° F (27° C), or add 835 Btu/h (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80° F (27° C). When the required data fall between the published data, interpolation may be performed.

** Total system kW is total of indoor and outdoor unit kilowatts.

CONDENSER ONLY RATINGS*

SST ° F (° C)		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)							
		55 (12.8)	65 (18.3)	75 (23.9)	85 (29.4)	95 (35)	105 (40.6)	115 (46.1)	125 (51.7)
38HDR018-31									
30 (-1.6)	TCG	16.20	15.30	14.30	13.40	12.40	11.40	10.30	9.20
	SDT	67.40	77.00	86.50	96.00	105.50	114.90	124.40	133.70
	KW	0.86	0.98	1.11	1.26	1.42	1.59	1.77	1.96
35 (1.7)	TCG	17.90	16.90	15.90	14.80	13.80	12.70	11.60	10.40
	SDT	68.50	78.00	87.50	97.00	106.40	115.80	125.20	134.50
	KW	0.86	0.98	1.11	1.26	1.42	1.59	1.78	1.98
40 (4.4)	TCG	19.70	18.60	17.50	16.40	15.20	14.10	12.90	11.60
	SDT	69.70	79.10	88.60	98.00	107.40	116.80	126.10	135.30
	KW	0.85	0.97	1.11	1.26	1.42	1.60	1.79	1.99
45 (7.2)	TCG	21.60	20.40	19.20	18.00	16.80	15.50	14.20	12.80
	SDT	70.90	80.30	89.70	99.00	108.40	117.70	127.00	136.10
	KW	0.85	0.97	1.11	1.26	1.42	1.60	1.79	2.00
50 (10)	TCG	23.60	22.30	21.10	19.70	18.40	17.00	15.60	14.10
	SDT	72.20	81.50	90.80	100.10	109.40	118.60	127.80	136.90
	KW	0.85	0.97	1.11	1.26	1.42	1.60	1.79	2.00
55 (12.8)	TCG	25.70	24.30	22.90	21.50	20.00	18.60	17.00	15.40
	SDT	73.50	82.70	92.00	101.20	110.40	119.60	128.70	137.70
	KW	0.85	0.97	1.10	1.25	1.42	1.60	1.79	2.00
38HDR024-32									
30 (-1.6)	TCG	22.10	20.90	19.60	18.30	16.90	15.50	14.00	12.40
	SDT	69.00	78.50	88.00	97.40	106.80	116.10	125.30	134.50
	KW	1.08	1.24	1.41	1.60	1.80	2.02	2.25	2.48
35 (1.7)	TCG	24.30	23.00	21.70	20.30	18.80	17.20	15.60	13.80
	SDT	70.30	79.80	89.20	98.60	107.90	117.10	126.30	135.40
	KW	1.09	1.24	1.42	1.61	1.82	2.04	2.28	2.52
40 (4.4)	TCG	26.80	25.30	23.90	22.30	20.70	19.00	17.20	15.30
	SDT	71.70	81.10	90.50	99.80	109.10	118.20	127.30	136.30
	KW	1.10	1.26	1.43	1.62	1.83	2.06	2.30	2.55
45 (7.2)	TCG	29.40	27.80	26.20	24.50	22.70	20.90	18.90	16.70
	SDT	73.20	82.60	91.90	101.10	110.20	119.30	128.30	137.10
	KW	1.11	1.27	1.44	1.64	1.85	2.08	2.32	2.57
50 (10)	TCG	32.10	30.40	28.60	26.80	24.80	22.70	20.50	18.10
	SDT	74.80	84.10	93.30	102.40	111.50	120.40	129.20	137.90
	KW	1.12	1.28	1.46	1.65	1.86	2.09	2.33	2.59
55 (12.8)	TCG	35.00	33.10	31.20	29.10	26.90	24.60	22.20	19.50
	SDT	76.40	85.60	94.70	103.80	112.70	121.50	130.20	138.60
	KW	1.13	1.29	1.47	1.66	1.88	2.10	2.35	2.60
38HDR030-31									
30 (-1.6)	TCG	26.20	24.70	23.20	21.70	20.10	18.40	16.80	15.30
	SDT	72.00	82.30	92.90	103.80	115.00	126.90	139.00	148.90
	KW	1.30	1.48	1.69	1.92	2.19	2.50	2.84	3.12
35 (1.7)	TCG	28.80	27.30	25.70	24.10	22.40	20.60	18.90	17.40
	SDT	73.10	83.50	94.00	104.80	116.10	127.70	139.50	149.30
	KW	1.30	1.49	1.69	1.93	2.21	2.52	2.86	3.15
40 (4.4)	TCG	31.70	30.10	28.40	26.60	24.80	23.00	21.20	19.60
	SDT	74.30	84.70	95.20	105.90	117.10	128.60	140.00	149.70
	KW	1.31	1.49	1.70	1.94	2.22	2.53	2.87	3.18
45 (7.2)	TCG	34.80	33.10	31.20	29.40	27.40	25.50	23.60	21.90
	SDT	75.60	85.90	96.40	107.10	118.10	129.40	140.60	150.10
	KW	1.31	1.50	1.71	1.95	2.22	2.54	2.88	3.19
50 (10)	TCG	38.20	36.20	34.30	32.30	30.30	28.20	26.20	24.40
	SDT	76.90	87.20	97.60	108.20	119.20	130.30	141.10	150.50
	KW	1.32	1.50	1.71	1.95	2.23	2.55	2.89	3.20
55 (12.8)	TCG	41.70	39.70	37.60	35.50	33.30	31.10	29.00	27.10
	SDT	78.30	88.50	98.90	109.40	120.20	131.20	141.80	150.90
	KW	1.32	1.51	1.72	1.96	2.24	2.55	2.89	3.20
38HDR036-31									
30 (-1.6)	TCG	30.10	28.50	26.80	25.10	23.30	21.50	19.60	17.60
	SDT	70.90	80.80	90.90	101.00	111.20	121.60	132.30	143.30
	KW	1.50	1.71	1.94	2.20	2.50	2.83	3.19	3.58
35 (1.7)	TCG	33.20	31.50	29.70	27.80	25.90	24.00	21.90	19.90
	SDT	72.00	82.00	92.00	102.10	112.30	122.80	133.30	143.80
	KW	1.50	1.71	1.95	2.21	2.52	2.85	3.21	3.60
40 (4.4)	TCG	36.50	34.60	32.70	30.70	28.70	26.60	24.40	22.30
	SDT	73.30	83.20	93.20	103.20	113.40	123.60	134.10	144.50
	KW	1.51	1.72	1.95	2.22	2.52	2.85	3.23	3.63
45 (7.2)	TCG	40.10	38.10	36.00	33.80	31.70	29.40	27.10	24.80
	SDT	74.60	84.40	94.40	104.50	113.80	124.50	135.20	145.30
	KW	1.51	1.72	1.96	2.23	2.51	2.86	3.26	3.65
50 (10)	TCG	43.90	41.70	39.50	37.10	34.90	32.40	30.00	27.60
	SDT	75.90	85.80	95.70	105.90	115.50	125.90	136.20	146.00
	KW	1.52	1.73	1.97	2.24	2.54	2.89	3.27	3.66
55 (12.8)	TCG	48.00	45.70	43.30	40.70	38.30	35.70	33.10	30.50
	SDT	77.40	87.10	97.00	107.10	116.70	126.80	137.00	146.70
	KW	1.53	1.74	1.98	2.25	2.55	2.89	3.28	3.66

See notes on page 38

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CONDENSER ONLY RATINGS* CONTINUED

SST ° F (° C)		CONDENSER ENTERING AIR TEMPERATURES ° F (° C)							
		55 (12.8)	65 (18.3)	75 (23.9)	85 (29.4)	95 (35)	105 (40.6)	115 (46.1)	125 (51.7)
38HDR048-32									
30 (-1.6)	TCG	48.40	45.50	42.50	39.50	36.20	32.90	30.60	28.10
	SDT	67.90	77.30	86.70	96.00	105.40	114.70	124.30	133.80
	KW	2.05	2.39	2.75	3.15	3.56	4.01	4.49	5.00
35 (1.7)	TCG	53.40	50.20	46.90	43.40	39.60	35.70	34.00	25.50
	SDT	69.10	78.40	87.80	97.00	106.20	115.40	125.10	133.00
	KW	2.02	2.37	2.74	3.14	3.56	4.01	4.51	4.99
40 (4.4)	TCG	58.70	55.10	51.40	47.50	43.10	38.30	33.00	27.10
	SDT	70.40	79.60	88.90	98.00	107.10	116.10	124.80	133.40
	KW	1.99	2.35	2.72	3.13	3.55	4.01	4.49	4.99
45 (7.2)	TCG	64.30	60.30	56.20	51.60	46.90	41.20	35.20	28.90
	SDT	71.80	80.90	90.00	99.10	108.10	116.80	125.40	133.80
	KW	1.96	2.32	2.70	3.11	3.54	4.00	4.48	4.99
50 (10)	TCG	70.30	65.80	61.10	55.80	50.40	44.20	37.30	34.60
	SDT	73.30	82.30	91.20	100.10	108.90	117.50	125.90	135.30
	KW	1.92	2.29	2.68	3.09	3.52	3.98	4.46	5.01
55 (12.8)	TCG	76.50	71.40	66.00	60.30	54.00	47.00	50.70	41.10
	SDT	74.80	83.60	92.50	101.20	109.80	118.20	129.40	137.00
	KW	1.88	2.25	2.64	3.06	3.49	3.95	4.57	5.05
38HDR060-32									
30 (-1.6)	TCG	59.30	55.30	50.90	46.20	40.40	37.90	33.80	30.30
	SDT	70.10	79.30	88.40	97.40	106.20	115.80	124.90	134.20
	KW	2.59	2.93	3.31	3.73	4.19	4.72	5.31	5.90
35 (1.7)	TCG	64.70	60.20	55.50	50.00	43.30	42.40	31.50	33.10
	SDT	71.40	80.50	89.50	98.40	106.90	116.90	124.20	134.90
	KW	2.62	2.97	3.34	3.76	4.21	4.76	5.25	5.93
40 (4.4)	TCG	69.90	65.30	60.10	53.80	55.90	47.40	31.70	35.60
	SDT	72.70	81.70	90.60	99.30	110.10	118.10	124.20	135.50
	KW	2.66	3.00	3.38	3.78	4.34	4.81	5.24	5.96
45 (7.2)	TCG	76.00	70.80	64.80	57.40	56.00	54.60	48.50	47.70
	SDT	74.10	83.00	91.80	100.20	110.00	119.90	128.60	138.80
	KW	2.71	3.04	3.40	3.80	4.32	4.89	5.43	6.08
50 (10)	TCG	82.20	76.70	69.30	70.90	61.80	58.60	30.50	52.10
	SDT	75.60	84.40	92.80	103.40	111.40	120.90	123.80	139.80
	KW	2.75	3.09	3.42	3.99	4.38	4.93	5.16	6.13
55 (12.8)	TCG	95.20	87.70	88.40	74.60	75.40	53.90	46.10	60.30
	SDT	78.80	87.10	97.50	104.30	114.70	119.50	127.70	141.70
	KW	2.85	3.13	3.74	3.95	4.56	4.78	5.33	6.25

* AHRI listing applies only to systems shown in Combination Ratings table.

KW – Outdoor Unit Kilowatts Only.

SDT – Saturated Temperature Leaving Compressor (°F)

SST – Saturated Temperature Entering Compressor (°F/°C)

TCG – Gross Cooling Capacity (1000 Btuh)

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GUIDE SPECIFICATIONS

GENERAL

System Description

Outdoor-mounted, air-cooled, split-system air conditioner unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, propeller-type condenser fan, and a control box. Unit will discharge supply air horizontally as shown on contract drawings. Unit will be used in a refrigeration circuit to match up to a packaged fan coil or coil unit.

Quality Assurance

- Unit will be rated in accordance with the latest edition of ARI Standard 210.
- Unit will be certified for capacity and efficiency, and listed in the latest ARI directory.
- Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.
- Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have c-UL approval.
- Unit cabinet will be capable of withstanding Federal Test Method Standard No. 141 (Method 6061) 500-hr salt spray test.
- Air-cooled condenser coils will be leak tested and pressure tested
- Unit constructed in ISO9001 approved facility.

Delivery, Storage, and Handling

- Unit will be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

PRODUCTS

Equipment

- Factory assembled, single piece, air-cooled air conditioner unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge Puron® (R-410A), and special features required prior to field start-up.

Unit Cabinet

- Unit cabinet will be constructed of galvanized steel, bonderized, and coated with a powder coat paint.

Fans

- Condenser fan will be direct-drive propeller type, discharging air horizontally.

AIR-COOLED, SPLIT-SYSTEM AIR CONDITIONER

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1-1/2 TO 5 NOMINAL TONS

- Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings. Shafts will be corrosion resistant.
- Fan blades will be statically and dynamically balanced.
- Condenser fan openings will be equipped with coated steel wire safety guards.

Compressor

- Compressor will be hermetically sealed.
- Compressor will be mounted on rubber vibration isolators.

Condenser Coil

- Condenser coil will be air cooled.
- Coil will be constructed of aluminum fins mechanically bonded to copper tubes which are then cleaned, dehydrated, and sealed.

Refrigeration Components

- Refrigeration circuit components will include liquid-line front-seating shutoff valve with sweat connections, vapor-line front-seating shutoff valve with sweat connections, system charge of Puron® (R-410A) refrigerant, and compressor oil.
- Unit will be equipped with high-pressure switch, low pressure switch and filter drier for Puron refrigerant.

Operating Characteristics

- The capacity of the unit will meet or exceed _____ Btuh at a suction temperature of _____ °F/°C. The power consumption at full load will not exceed _____ kW.
- Combination of the unit and the evaporator or fan coil unit will have a total net cooling capacity of _____ Btuh or greater at conditions of _____ CFM entering air temperature at the evaporator at _____ °F/°C wet bulb and _____ °F/°C dry bulb, and air entering the unit at _____ °F/°C.
- The system will have a SEER of _____ Btuh/watt or greater at DOE conditions.

Electrical Requirements

- Nominal unit electrical characteristics will be _____ v, single phase, 60 hz. The unit will be capable of satisfactory operation within voltage limits of _____ v to _____ v.
- Nominal unit electrical characteristics will be _____ v, three phase, 60 hz. The unit will be capable of satisfactory operation within voltage limits of _____ v to _____ v.
- Unit electrical power will be single point connection.
- Control circuit will be 24v.

Special Features

- Refer to section of this literature identifying accessories and descriptions for specific features and available enhancements.

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SYSTEM DESIGN SUMMARY

1. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-in. wc.
2. Minimum outdoor operating air temperature without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature is 125°F (51.7°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. For interconnecting refrigerant tube lengths greater than 80 ft (23.4 m) and/or 35 ft (10.7 m) vertical differential, consult Residential Piping and Longline Guideline and Service Manual available from equipment distributor.
6. If any refrigerant tubing is buried, provide a 6 in. (152.4 mm) vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in. (914.4 mm) may be buried without further consideration. Do not bury refrigerant lines longer than 36 in. (914.4 mm).
7. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
8. Do not apply capillary tube indoor coils to these units.
9. Factory-supplied filter drier must be installed.

Appendix G

Rincon FHWA Traffic Noise Model

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Model Input

Project Name :	200 Portage Condo		
Project Number :	12-11331		
Modeling Condition :	Existing		
Ground Type :	Hard	Peak ratio to ADT:	
Metric (Leq, Ldn, CNEL) :	Ldn	Traffic Desc. (Peak or ADT) :	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Cassification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Park Boulevard	Olive Avenue	Page Mill Road	2,150	25	25	97			2	1	65		35	
2	Park Boulevard	Lambert Avenue	Olive Avenue	2,030	25	25	97			2	1	65		35	
3	Olive Avenue	El Camino Real	Park Boulevard	430	25	15	97			2	1	65		35	
4	Park Boulevard	Lambert Avenue	Olive Avenue	1,500	25	25	97			2	1	65		35	
5	Park Boulevard	From the East	Lambert Avenue	320	25	25	97			2	1	65		35	
6	Lambert Avenue	El Camino Real	Park Boulevard	1,360	25	15	97			2	1	65		35	
7	El Camino Real	Portage Avenue	Olive Avenue	22,080	35	45	97			2	1	65		35	
8	El Camino Real	Lambert Avenue	Portage Avenue	22,020	35	45	97			2	1	65		35	
9	Portage Avenue	From project site	El Camino Real	1,420	25	35	97			2	1	65		35	

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Model Results

Project Number :	200 Portage Condo
Modeling Condition :	12-11331
Ground Type :	Existing
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Park Boulevard	Olive Avenue	Page Mill Road	63.1	0.0	0.0	53.5	56.1	64.3
2	Park Boulevard	Lambert Avenue	Olive Avenue	62.9	0.0	0.0	53.3	55.8	64.0
3	Olive Avenue	El Camino Real	Park Boulevard	58.3	0.0	0.0	48.8	51.3	59.5
4	Park Boulevard	Lambert Avenue	Olive Avenue	61.6	0.0	0.0	52.0	54.5	62.7
5	Park Boulevard	From the East	Lambert Avenue	54.8	0.0	0.0	45.2	47.8	56.0
6	Lambert Avenue	El Camino Real	Park Boulevard	63.3	0.0	0.0	53.8	56.3	64.5
7	El Camino Real	Portage Avenue	Olive Avenue	70.9	0.0	0.0	61.2	63.2	71.9
8	El Camino Real	Lambert Avenue	Portage Avenue	70.9	0.0	0.0	61.2	63.2	71.9
9	Portage Avenue	From project site	El Camino Real	59.9	0.0	0.0	50.3	52.8	61.0

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
7	21	67	212	670
6	20	63	200	632
1	4	13	42	134
5	15	47	148	467
1	3	10	32	100
4	13	42	134	424
70	222	704	2,225	7,036
70	222	702	2,219	7,016
4	14	44	140	442

Appendix G

Rincon FHWA Traffic Noise Model

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Model Input

Project Name :	200 Portage Condo	Peak ratio to ADT:	
Project Number :	12-11331	Traffic Desc. (Peak or ADT) :	ADT
Modeling Condition :	Existing Plus Approved		
Ground Type :	Hard		
Metric (Leq, Ldn, CNEL) :	Ldn		

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Cassification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Park Boulevard	Olive Avenue	Page Mill Road	2,460	25	25	97			2	1	65		35	
2	Park Boulevard	Lambert Avenue	Olive Avenue	2,450	25	25	97			2	1	65		35	
3	Olive Avenue	El Camino Real	Park Boulevard	530	25	15	97			2	1	65		35	
4	Park Boulevard	Lambert Avenue	Olive Avenue	1,680	25	25	97			2	1	65		35	
5	Park Boulevard	From the East	Lambert Avenue	400	25	25	97			2	1	65		35	
6	Lambert Avenue	El Camino Real	Park Boulevard	1,460	25	15	97			2	1	65		35	
7	El Camino Real	Portage Avenue	Olive Avenue	22,880	35	45	97			2	1	65		35	
8	El Camino Real	Lambert Avenue	Portage Avenue	21,870	35	45	97			2	1	65		35	
9	Portage Avenue	From project site	El Camino Real	1,650	25	35	97			2	1	65		35	

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Model Results

Project Number :	200 Portage Condo
Modeling Condition :	12-11331
Ground Type :	Existing Plus Approved
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Park Boulevard	Olive Avenue	Page Mill Road	63.7	0.0	0.0	54.1	56.7	64.9
2	Park Boulevard	Lambert Avenue	Olive Avenue	63.7	0.0	0.0	54.1	56.6	64.8
3	Olive Avenue	El Camino Real	Park Boulevard	59.3	0.0	0.0	49.7	52.2	60.4
4	Park Boulevard	Lambert Avenue	Olive Avenue	62.0	0.0	0.0	52.5	55.0	63.2
5	Park Boulevard	From the East	Lambert Avenue	55.8	0.0	0.0	46.2	48.8	57.0
6	Lambert Avenue	El Camino Real	Park Boulevard	63.7	0.0	0.0	54.1	56.6	64.8
7	El Camino Real	Portage Avenue	Olive Avenue	71.0	0.0	0.0	61.3	63.4	72.1
8	El Camino Real	Lambert Avenue	Portage Avenue	70.8	0.0	0.0	61.1	63.2	71.9
9	Portage Avenue	From project site	El Camino Real	60.5	0.0	0.0	50.9	53.5	61.7

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
8	24	77	242	766
8	24	76	241	763
2	5	17	52	165
5	17	52	166	523
1	4	12	39	125
5	14	45	144	455
73	231	729	2,305	7,290
70	220	697	2,204	6,969
5	16	51	163	514

Appendix G

Rincon FHWA Traffic Noise Model

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Model Input

Project Name :	200 Portage Condo		
Project Number :	12-11331		
Modeling Condition :	Background		
Ground Type :	Hard	Peak ratio to ADT:	
Metric (Leq, Ldn, CNEL) :	Ldn	Traffic Desc. (Peak or ADT) :	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Cassification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Park Boulevard	Olive Avenue	Page Mill Road	2,330	25	25	97			2	1	65		35	
2	Park Boulevard	Lambert Avenue	Olive Avenue	2,210	25	25	97			2	1	65		35	
3	Olive Avenue	El Camino Real	Park Boulevard	480	25	15	97			2	1	65		35	
4	Park Boulevard	Lambert Avenue	Olive Avenue	1,640	25	25	97			2	1	65		35	
5	Park Boulevard	From the East	Lambert Avenue	370	25	25	97			2	1	65		35	
6	Lambert Avenue	El Camino Real	Park Boulevard	1,490	25	15	97			2	1	65		35	
7	El Camino Real	Portage Avenue	Olive Avenue	24,620	35	45	97			2	1	65		35	
8	El Camino Real	Lambert Avenue	Portage Avenue	23,770	35	45	97			2	1	65		35	
9	Portage Avenue	From project site	El Camino Real	1,550	25	35	97			2	1	65		35	

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Model Results

Project Number :	200 Portage Condo
Modeling Condition :	12-11331
Ground Type :	Existing Plus Approved Plus Project
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Park Boulevard	Olive Avenue	Page Mill Road	63.5	0.0	0.0	53.9	56.4	64.6
2	Park Boulevard	Lambert Avenue	Olive Avenue	63.2	0.0	0.0	53.6	56.2	64.4
3	Olive Avenue	El Camino Real	Park Boulevard	58.8	0.0	0.0	49.2	51.8	60.0
4	Park Boulevard	Lambert Avenue	Olive Avenue	61.9	0.0	0.0	52.3	54.9	63.1
5	Park Boulevard	From the East	Lambert Avenue	55.5	0.0	0.0	45.9	48.4	56.6
6	Lambert Avenue	El Camino Real	Park Boulevard	63.7	0.0	0.0	54.1	56.7	64.9
7	El Camino Real	Portage Avenue	Olive Avenue	71.3	0.0	0.0	61.6	63.7	72.4
8	El Camino Real	Lambert Avenue	Portage Avenue	71.2	0.0	0.0	61.5	63.5	72.3
9	Portage Avenue	From project site	El Camino Real	60.2	0.0	0.0	50.6	53.2	61.4

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
7	23	73	230	726
7	22	69	218	688
1	5	15	47	150
5	16	51	162	511
1	4	12	36	115
5	15	46	147	464
78	248	784	2,481	7,845
76	240	757	2,395	7,574
5	15	48	153	483

Appendix G

Rincon FHWA Traffic Noise Model

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Model Input

Project Name :	200 Portage Condo		
Project Number :	12-11331		
Modeling Condition :	Background Plus Project		
Ground Type :	Hard	Peak ratio to ADT:	
Metric (Leq, Ldn, CNEL) :	Ldn	Traffic Desc. (Peak or ADT) :	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Cassification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Park Boulevard	Olive Avenue	Page Mill Road	2,640	25	25	97			2	1	65		35	
2	Park Boulevard	Lambert Avenue	Olive Avenue	2,630	25	25	97			2	1	65		35	
3	Olive Avenue	El Camino Real	Park Boulevard	590	25	15	97			2	1	65		35	
4	Park Boulevard	Lambert Avenue	Olive Avenue	1,820	25	25	97			2	1	65		35	
5	Park Boulevard	From the East	Lambert Avenue	450	25	25	97			2	1	65		35	
6	Lambert Avenue	El Camino Real	Park Boulevard	1,590	25	15	97			2	1	65		35	
7	El Camino Real	Portage Avenue	Olive Avenue	24,700	35	45	97			2	1	65		35	
8	El Camino Real	Lambert Avenue	Portage Avenue	23,920	35	45	97			2	1	65		35	
9	Portage Avenue	From project site	El Camino Real	1,780	25	35	97			2	1	65		35	
											1			35	

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Model Results

Project Number :	200 Portage Condo
Modeling Condition :	12-11331
Ground Type :	Existing Plus Project
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Park Boulevard	Olive Avenue	Page Mill Road	64.0	0.0	0.0	54.4	57.0	65.2
2	Park Boulevard	Lambert Avenue	Olive Avenue	64.0	0.0	0.0	54.4	56.9	65.2
3	Olive Avenue	El Camino Real	Park Boulevard	59.7	0.0	0.0	50.1	52.7	60.9
4	Park Boulevard	Lambert Avenue	Olive Avenue	62.4	0.0	0.0	52.8	55.3	63.6
5	Park Boulevard	From the East	Lambert Avenue	56.3	0.0	0.0	46.7	49.3	57.5
6	Lambert Avenue	El Camino Real	Park Boulevard	64.0	0.0	0.0	54.4	57.0	65.2
7	El Camino Real	Portage Avenue	Olive Avenue	71.4	0.0	0.0	61.7	63.7	72.4
8	El Camino Real	Lambert Avenue	Portage Avenue	71.2	0.0	0.0	61.5	63.6	72.3
9	Portage Avenue	From project site	El Camino Real	60.8	0.0	0.0	51.2	53.8	62.0

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
8	26	82	260	822
8	26	82	259	819
2	6	18	58	184
6	18	57	179	567
1	4	14	44	140
5	16	50	157	495
79	249	787	2,489	7,870
76	241	762	2,410	7,622
6	18	55	175	555

Appendix G

Rincon FHWA Traffic Noise Model

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Model Input

Project Name :	200 Portage Condo		
Project Number :	12-11331		
Modeling Condition :	2040 Cumulative Year		
Ground Type :	Hard	Peak ratio to ADT:	
Metric (Leq, Ldn, CNEL) :	Ldn	Traffic Desc. (Peak or ADT) :	ADT

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Cassification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Park Boulevard	Olive Avenue	Page Mill Road	2,820	25	25	97			2	1	65		35	
2	Park Boulevard	Lambert Avenue	Olive Avenue	2,660	25	25	97			2	1	65		35	
3	Olive Avenue	El Camino Real	Park Boulevard	560	25	15	97			2	1	65		35	
4	Park Boulevard	Lambert Avenue	Olive Avenue	1,970	25	25	97			2	1	65		35	
5	Park Boulevard	From the East	Lambert Avenue	440	25	25	97			2	1	65		35	
6	Lambert Avenue	El Camino Real	Park Boulevard	1,790	25	15	97			2	1	65		35	
7	El Camino Real	Portage Avenue	Olive Avenue	29,660	35	45	97			2	1	65		35	
8	El Camino Real	Lambert Avenue	Portage Avenue	28,650	35	45	97			2	1	65		35	
9	Portage Avenue	From project site	El Camino Real	1,870	25	35	97			2	1	65		35	

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Model Results

Project Number :	200 Portage Condo
Modeling Condition :	12-11331
Ground Type :	Existing Plus Approved Plus Project
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Park Boulevard	Olive Avenue	Page Mill Road	64.3	0.0	0.0	54.7	57.3	65.5
2	Park Boulevard	Lambert Avenue	Olive Avenue	64.0	0.0	0.0	54.4	57.0	65.2
3	Olive Avenue	El Camino Real	Park Boulevard	59.5	0.0	0.0	49.9	52.4	60.7
4	Park Boulevard	Lambert Avenue	Olive Avenue	62.7	0.0	0.0	53.1	55.7	63.9
5	Park Boulevard	From the East	Lambert Avenue	56.2	0.0	0.0	46.6	49.2	57.4
6	Lambert Avenue	El Camino Real	Park Boulevard	64.5	0.0	0.0	54.9	57.5	65.7
7	El Camino Real	Portage Avenue	Olive Avenue	72.2	0.0	0.0	62.5	64.5	73.2
8	El Camino Real	Lambert Avenue	Portage Avenue	72.0	0.0	0.0	62.3	64.3	73.1
9	Portage Avenue	From project site	El Camino Real	61.0	0.0	0.0	51.5	54.0	62.2

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
9	28	88	278	879
8	26	83	262	829
2	6	17	55	174
6	19	61	194	614
1	4	14	43	137
6	18	56	176	558
95	299	945	2,989	9,451
91	289	913	2,887	9,129
6	18	58	184	583

Appendix G

Rincon FHWA Traffic Noise Model

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Model Input

Project Name :	200 Portage Condo	Peak ratio to ADT:	
Project Number :	12-11331	Traffic Desc. (Peak or ADT) :	ADT
Modeling Condition :	2040 Cumulative Year Plus Project		
Ground Type :	Hard		
Metric (Leq, Ldn, CNEL) :	Ldn		

Segment Number	Roadway	Segment		Traffic Volume	Speed (mph)	Distance to Centerline	Vehicle Cassification Mix (%)					24-Hour Traffic Distribution (%)			K-Factor
		From	To				Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Day	Evening	Night	
1	Park Boulevard	Olive Avenue	Page Mill Road	3,130	25	25	97			2	1	65		35	
2	Park Boulevard	Lambert Avenue	Olive Avenue	3,080	25	25	97			2	1	65		35	
3	Olive Avenue	El Camino Real	Park Boulevard	670	25	15	97			2	1	65		35	
4	Park Boulevard	Lambert Avenue	Olive Avenue	2,150	25	25	97			2	1	65		35	
5	Park Boulevard	From the East	Lambert Avenue	520	25	25	97			2	1	65		35	
6	Lambert Avenue	El Camino Real	Park Boulevard	1,890	25	15	97			2	1	65		35	
7	El Camino Real	Portage Avenue	Olive Avenue	29,740	35	45	97			2	1	65		35	
8	El Camino Real	Lambert Avenue	Portage Avenue	28,800	35	45	97			2	1	65		35	
9	Portage Avenue	From project site	El Camino Real	2,100	25	35	97			2	1	65		35	

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Model Results

Project Number :	200 Portage Condo
Modeling Condition :	12-11331
Ground Type :	Existing Plus Approved Plus Project
Metric (Leq, Ldn, CNEL) :	Ldn

Segment Number	Roadway	Segment		Noise Levels (dB) Ldn					
		From	To	Automobiles	Motorcycles	Bus	Medium Trucks	Heavy Trucks	Total
1	Park Boulevard	Olive Avenue	Page Mill Road	64.7	0.0	0.0	55.2	57.7	65.9
2	Park Boulevard	Lambert Avenue	Olive Avenue	64.7	0.0	0.0	55.1	57.6	65.8
3	Olive Avenue	El Camino Real	Park Boulevard	60.3	0.0	0.0	50.7	53.2	61.4
4	Park Boulevard	Lambert Avenue	Olive Avenue	63.1	0.0	0.0	53.5	56.1	64.3
5	Park Boulevard	From the East	Lambert Avenue	57.0	0.0	0.0	47.4	49.9	58.1
6	Lambert Avenue	El Camino Real	Park Boulevard	64.8	0.0	0.0	55.2	57.7	65.9
7	El Camino Real	Portage Avenue	Olive Avenue	72.2	0.0	0.0	62.5	64.5	73.2
8	El Camino Real	Lambert Avenue	Portage Avenue	72.0	0.0	0.0	62.3	64.4	73.1
9	Portage Avenue	From project site	El Camino Real	61.6	0.0	0.0	52.0	54.5	62.7

Distance to Traffic Noise Contours (feet)				
70 dB	65 dB	60 dB	55 dB	50 dB
10	31	98	308	975
10	30	96	303	959
2	7	21	66	209
7	21	67	212	670
2	5	16	51	162
6	19	59	186	589
95	300	948	2,997	9,476
92	290	918	2,902	9,177
7	21	65	207	654