Appendix D

Noise Measurement Data and Noise Modeling Results

Measurement 1

Data Logger 2
SET 3
A
SLOW
Range 40-100
L05 65.6
L10 62.2
L50 57.0
L90 52.4
L95 51.7
Max dB 73.5
2022/06/08 09:49:56
SEL 87.8
Leq 60.1

No.s	Date Time	dB
1	2022/06/08 09:48:06	52.9
2	2022/06/08 09:48:09	52.2
3	2022/06/08 09:48:12	52.7
4	2022/06/08 09:48:15	53.4
5	2022/06/08 09:48:18	55.4
6	2022/06/08 09:48:21	56.4
7	2022/06/08 09:48:24	57.9
8	2022/06/08 09:48:27	60.1
9	2022/06/08 09:48:30	56.3
10	2022/06/08 09:48:33	55.0
11	2022/06/08 09:48:36	58.6
12	2022/06/08 09:48:39	59.1
13	2022/06/08 09:48:42	70.0
14	2022/06/08 09:48:45	66.6
15	2022/06/08 09:48:48	60.8
16	2022/06/08 09:48:51	57.2
17	2022/06/08 09:48:54	55.2
18	2022/06/08 09:48:57	56.0
19	2022/06/08 09:49:00	55.9
20	2022/06/08 09:49:03	57.2
21	2022/06/08 09:49:06	56.9
22	2022/06/08 09:49:09	58.6
23	2022/06/08 09:49:12	60.9
24	2022/06/08 09:49:15	58.4
25	2022/06/08 09:49:18	57.8
26	2022/06/08 09:49:21	57.8
27	2022/06/08 09:49:24	58.6
28	2022/06/08 09:49:27	57.7
29	2022/06/08 09:49:30	57.4
30	2022/06/08 09:49:33	58.4
31	2022/06/08 09:49:36	57.9
32	2022/06/08 09:49:39	58.1
33	2022/06/08 09:49:42	58.5
34	2022/06/08 09:49:45	59.1
35	2022/06/08 09:49:48	61.5

36	2022/06/08	09:49:51	64.6
37	2022/06/08	09:49:54	73.4
38	2022/06/08	09:49:57	67.2
39	2022/06/08	09:50:00	66.8
40	2022/06/08	09:50:03	67.5
41	2022/06/08	09:50:06	65.6
42	2022/06/08	09:50:09	62.1
43	2022/06/08	09:50:12	57.7
44	2022/06/08	09:50:15	55.9
45	2022/06/08	09:50:18	58.0
46	2022/06/08	09:50:21	61.8
47	2022/06/08	09:50:24	71.5
48	2022/06/08	09:50:27	68.5
49	2022/06/08	09:50:30	59.8
50	2022/06/08	09:50:33	58.3
51	2022/06/08	09:50:36	57.7
52	2022/06/08	09:50:39	53.9
53	2022/06/08	09:50:42	54.6
54	2022/06/08	09:50:45	59.2
55	2022/06/08	09:50:48	58.2
56	2022/06/08	09:50:51	62.5
57	2022/06/08	09:50:54	60.4
58	2022/06/08	09:50:57	55.8
59	2022/06/08	09:51:00	54.1
60	2022/06/08	09:51:03	56.4
61	2022/06/08	09:51:06	57.1
62	2022/06/08	09:51:09	58.9
63	2022/06/08	09:51:12	57.7
64	2022/06/08	09:51:15	55.8
65	2022/06/08	09:51:18	55.4
66	2022/06/08	09:51:21	54.0
67	2022/06/08	09:51:24	52.7
68	2022/06/08	09:51:27	52.5
69	2022/06/08	09:51:30	52.3
70	2022/06/08	09:51:33	52.4
71	2022/06/08	09:51:36	52.0
72	2022/06/08	09:51:39	51.4
73	2022/06/08	09:51:42	52.5
74	2022/06/08	09:51:45	55.4
75	2022/06/08	09:51:48	55.9
76	2022/06/08	09:51:51	55.8
77	2022/06/08	09:51:54	56.9
78	2022/06/08	09:51:57	56.3
79	2022/06/08	09:52:00	56.7
80	2022/06/08	09:52:03	58.1
81	2022/06/08	09:52:06	58.6
82	2022/06/08	09:52:09	55.7
83	2022/06/08	09:52:12	53.8
84	2022/06/08	09:52:15	52.7
85	2022/06/08	09:52:18	51.9

86	2022/06/08 09:52:21	51.5
87	2022/06/08 09:52:24	51.9
88	2022/06/08 09:52:27	52.5
89	2022/06/08 09:52:30	55.4
90	2022/06/08 09:52:33	58.7
91	2022/06/08 09:52:36	60.3
92	2022/06/08 09:52:39	60.8
93	2022/06/08 09:52:42	62.0
94	2022/06/08 09:52:45	60.6
95	2022/06/08 09:52:48	60.0
96	2022/06/08 09:52:51	59.5
97	2022/06/08 09:52:54	58.2
98	2022/06/08 09:52:57	58.8
99	2022/06/08 09:53:00	61.1
100	2022/06/08 09:53:03	65.2
101	2022/06/08 09:53:06	63.6
102	2022/06/08 09:53:09	61.6
103	2022/06/08 09:53:12	58.7
104	2022/06/08 09:53:15	58.0
105	2022/06/08 09:53:18	57.4
106	2022/06/08 09:53:21	57.0
107	2022/06/08 09:53:24	57.2
108	2022/06/08 09:53:27	57.6
109	2022/06/08 09:53:30	57.2
110	2022/06/08 09:53:33	57.0
111	2022/06/08 09:53:36	57.3
112	2022/06/08 09:53:39	57.5
113	2022/06/08 09:53:42	57.4
114	2022/06/08 09:53:45	57.4
115	2022/06/08 09:53:48	57.5
116	2022/06/08 09:53:51	57.9
117	2022/06/08 09:53:54	58.3
118	2022/06/08 09:53:57	59.8
119	2022/06/08 09:54:00	62.1
120	2022/06/08 09:54:03	65.2
121	2022/06/08 09:54:06	61.7
122	2022/06/08 09:54:09	62.1
123	2022/06/08 09:54:12	64.4
124	2022/06/08 09:54:15	67.2
125	2022/06/08 09:54:18	65.7
126	2022/06/08 09:54:21	68.9
127	2022/06/08 09:54:24	61.7
128	2022/06/08 09:54:27	55.7
129	2022/06/08 09:54:30	52.7
130	2022/06/08 09:54:33	55.5
131	2022/06/08 09:54:36	59.2
132	2022/06/08 09:54:39	57.3
133	2022/06/08 09:54:42	57.2
134	2022/06/08 09:54:45	59.6
135	2022/06/08 09:54:48	58.1

136	2022/06/08	09:54:51	54.4
137	2022/06/08	09:54:54	53.9
138	2022/06/08	09:54:57	54.2
139	2022/06/08	09:55:00	53.4
140	2022/06/08	09:55:03	54.3
141	2022/06/08	09:55:06	60.7
142	2022/06/08	09:55:09	67.6
143	2022/06/08	09:55:12	61.8
144	2022/06/08	09:55:15	57.6
145	2022/06/08	09:55:18	56.4
146	2022/06/08	09:55:21	57.0
147	2022/06/08	09:55:24	54.8
148	2022/06/08	09:55:27	53.7
149	2022/06/08	09:55:30	53.2
150	2022/06/08	09:55:33	54.0
151	2022/06/08	09:55:36	56.2
152	2022/06/08	09:55:39	54.6
153	2022/06/08	09:55:42	56.1
154	2022/06/08	09:55:45	54.5
155	2022/06/08	09:55:48	54.7
156	2022/06/08	09:55:51	53.8
157	2022/06/08	09:55:54	55.8
158	2022/06/08	09:55:57	53.6
159	2022/06/08	09:56:00	52.2
160	2022/06/08	09:56:03	53.5
161	2022/06/08	09:56:06	52.8
162	2022/06/08	09:56:09	53.0
163	2022/06/08	09:56:12	53.9
164	2022/06/08	09:56:15	53.2
165	2022/06/08	09:56:18	54.5
166	2022/06/08	09:56:21	54.6
167	2022/06/08	09:56:24	55.7
168	2022/06/08	09:56:27	54.7
169	2022/06/08	09:56:30	52.9
170	2022/06/08	09:56:33	51.0
171	2022/06/08	09:56:36	52.0
172	2022/06/08	09:56:39	52.9
173	2022/06/08	09:56:42	51.7
174	2022/06/08	09:56:45	50.5
175	2022/06/08	09:56:48	50.9
176	2022/06/08	09:56:51	52.0
177	2022/06/08	09:56:54	56.0
178	2022/06/08	09:56:57	61.9
179	2022/06/08	09:57:00	61.3
180	2022/06/08	09:57:03	56.3
181	2022/06/08	09:57:06	53.1
182	2022/06/08	09:57:09	55.4
183	2022/06/08	09:57:12	58.8
184	2022/06/08	09:57:15	59.3
185	2022/06/08	09:57:18	56.3

186	2022/06/08 09:57:21	53.0
187	2022/06/08 09:57:24	51.4
188	2022/06/08 09:57:27	51.3
189	2022/06/08 09:57:30	58.1
190	2022/06/08 09:57:33	58.2
191	2022/06/08 09:57:36	56.3
192	2022/06/08 09:57:39	55.6
193	2022/06/08 09:57:42	55.1
194	2022/06/08 09:57:45	55.4
195	2022/06/08 09:57:48	56.1
196	2022/06/08 09:57:51	57.1
197	2022/06/08 09:57:54	56.8
198	2022/06/08 09:57:57	57.4
199	2022/06/08 09:58:00	59.7
200	2022/06/08 09:58:03	60.3

Data Logger 2
SET 3
A
SLOW
Range 40-100
L05 70.2
L10 68.3
L50 56.9
L90 46.7
L95 46.1
Max dB 76.4
2022/06/08 10:12:47
SEL 91.8
Leq 64.1

No.s	Date Time	dB
1	2022/06/08 10:05:40	53.1
2	2022/06/08 10:05:43	48.0
3	2022/06/08 10:05:46	48.7
4	2022/06/08 10:05:49	65.5
5	2022/06/08 10:05:52	64.8
6	2022/06/08 10:05:55	64.5
7	2022/06/08 10:05:58	61.4
8	2022/06/08 10:06:01	52.7
9	2022/06/08 10:06:04	48.3
10	2022/06/08 10:06:07	46.6
11	2022/06/08 10:06:10	46.9
12	2022/06/08 10:06:13	57.0
13	2022/06/08 10:06:16	70.3
14	2022/06/08 10:06:19	61.0
15	2022/06/08 10:06:22	51.0
16	2022/06/08 10:06:25	47.6
17	2022/06/08 10:06:28	49.2
18	2022/06/08 10:06:31	63.5
19	2022/06/08 10:06:34	68.2
20	2022/06/08 10:06:37	64.5
21	2022/06/08 10:06:40	66.1
22	2022/06/08 10:06:43	61.6
23	2022/06/08 10:06:46	66.6
24	2022/06/08 10:06:49	67.4
25	2022/06/08 10:06:52	71.6
26	2022/06/08 10:06:55	64.0
27	2022/06/08 10:06:58	55.0
28	2022/06/08 10:07:01	50.5
29	2022/06/08 10:07:04	65.4
30	2022/06/08 10:07:07	67.0
31	2022/06/08 10:07:10	59.1
32	2022/06/08 10:07:13	58.0
33	2022/06/08 10:07:16	53.7
34	2022/06/08 10:07:19	48.7
35	2022/06/08 10:07:22	46.8

36	2022/06/08 10:07:25	46.6
37	2022/06/08 10:07:28	46.6
38	2022/06/08 10:07:31	49.7
39	2022/06/08 10:07:34	57.4
40	2022/06/08 10:07:37	60.8
41	2022/06/08 10:07:40	53.9
42	2022/06/08 10:07:43	65.4
43	2022/06/08 10:07:46	62.9
44	2022/06/08 10:07:49	66.8
45	2022/06/08 10:07:52	71.4
46	2022/06/08 10:07:55	61.8
47	2022/06/08 10:07:58	66.8
48	2022/06/08 10:08:01	68.1
49	2022/06/08 10:08:04	64.8
50	2022/06/08 10:08:07	65.1
51	2022/06/08 10:08:10	60.1
52	2022/06/08 10:08:13	63.6
53	2022/06/08 10:08:16	65.4
54	2022/06/08 10:08:19	56.9
55	2022/06/08 10:08:22	50.5
56	2022/06/08 10:08:25	49.8
57	2022/06/08 10:08:28	48.8
58	2022/06/08 10:08:31	48.4
59	2022/06/08 10:08:34	48.4
60	2022/06/08 10:08:37	47.6
61	2022/06/08 10:08:40	47.8
62	2022/06/08 10:08:43	48.7
63	2022/06/08 10:08:46	48.4
64	2022/06/08 10:08:49	49.1
65	2022/06/08 10:08:52	46.2
66	2022/06/08 10:08:55	47.8
67	2022/06/08 10:08:58	50.3
68	2022/06/08 10:09:01	52.3
69	2022/06/08 10:09:04	50.3
70	2022/06/08 10:09:07	48.1
71	2022/06/08 10:09:10	64.0
72	2022/06/08 10:09:13	66.0
73	2022/06/08 10:09:16	66.9
74	2022/06/08 10:09:19	62.2
75	2022/06/08 10:09:22	53.5
76	2022/06/08 10:09:25	54.0
77	2022/06/08 10:09:28	70.6
78	2022/06/08 10:09:31	63.3
79	2022/06/08 10:09:34	58.6
80	2022/06/08 10:09:37	49.3
81	2022/06/08 10:09:40	46.8
82	2022/06/08 10:09:43	46.7
83	2022/06/08 10:09:46	45.9
84	2022/06/08 10:09:49	45.9
85	2022/06/08 10:09:52	45.0

86	2022/06/08	10:09:55	44.4
87	2022/06/08	10:09:58	46.9
88	2022/06/08	10:10:01	46.7
89	2022/06/08	10:10:04	46.2
90	2022/06/08	10:10:07	48.6
91	2022/06/08	10:10:10	60.6
92	2022/06/08	10:10:13	62.1
93	2022/06/08	10:10:16	53.1
94	2022/06/08	10:10:19	48.3
95	2022/06/08	10:10:22	50.0
96	2022/06/08	10:10:25	49.3
97	2022/06/08	10:10:28	54.1
98	2022/06/08	10:10:31	60.4
99	2022/06/08	10:10:34	69.2
100	2022/06/08	10:10:37	64.8
101	2022/06/08	10:10:40	56.4
102	2022/06/08	10:10:43	52.7
103	2022/06/08	10:10:46	49.9
104	2022/06/08	10:10:49	51.1
105	2022/06/08	10:10:52	62.4
106	2022/06/08	10:10:55	66.9
107	2022/06/08	10:10:58	61.5
108	2022/06/08	10:11:01	62.0
109	2022/06/08	10:11:04	58.5
110	2022/06/08	10:11:07	55.0
111	2022/06/08	10:11:10	58.0
112	2022/06/08	10:11:13	71.8
113	2022/06/08	10:11:16	71.6
114	2022/06/08	10:11:19	69.1
115	2022/06/08	10:11:22	65.0
116	2022/06/08	10:11:25	56.2
117	2022/06/08	10:11:28	51.7
118	2022/06/08	10:11:31	52.0
119	2022/06/08	10:11:34	68.6
120	2022/06/08	10:11:37	66.2
121	2022/06/08	10:11:40	60.9
122	2022/06/08	10:11:43	62.1
123	2022/06/08	10:11:46	54.1
124	2022/06/08	10:11:49	47.1
125	2022/06/08	10:11:52	45.8
126	2022/06/08	10:11:55	46.0
127	2022/06/08	10:11:58	47.1
128	2022/06/08	10:12:01	60.3
129	2022/06/08	10:12:04	64.7
130	2022/06/08	10:12:07	62.3
131	2022/06/08	10:12:10	64.6
132	2022/06/08	10:12:13	58.1
133	2022/06/08	10:12:16	49.5
134	2022/06/08	10:12:19	46.3
135	2022/06/08	10:12:22	46.8

136	2022/06/08 10:12:25	50.4
137	2022/06/08 10:12:28	66.4
138	2022/06/08 10:12:31	67.9
139	2022/06/08 10:12:34	59.5
140	2022/06/08 10:12:37	71.1
141	2022/06/08 10:12:40	67.4
142	2022/06/08 10:12:43	59.4
143	2022/06/08 10:12:46	74.6
144	2022/06/08 10:12:49	68.3
145	2022/06/08 10:12:52	62.6
146	2022/06/08 10:12:55	61.7
147	2022/06/08 10:12:58	70.1
148	2022/06/08 10:13:01	73.4
149	2022/06/08 10:13:04	64.3
150	2022/06/08 10:13:07	54.0
151	2022/06/08 10:13:10	49.1
152	2022/06/08 10:13:13	47.7
153	2022/06/08 10:13:16	45.9
154	2022/06/08 10:13:19	44.9
155	2022/06/08 10:13:22	45.3
156	2022/06/08 10:13:25	46.7
157	2022/06/08 10:13:28	47.2
158	2022/06/08 10:13:31	47.9
159	2022/06/08 10:13:34	50.8
160	2022/06/08 10:13:37	64.9
161	2022/06/08 10:13:40	70.4
162	2022/06/08 10:13:43	72.8
163	2022/06/08 10:13:46	71.4
164	2022/06/08 10:13:49	64.7
165	2022/06/08 10:13:52	63.8
166	2022/06/08 10:13:55	60.9
167	2022/06/08 10:13:58	55.5
168	2022/06/08 10:14:01	68.2
169	2022/06/08 10:14:04	67.6
170	2022/06/08 10:14:07	66.8
171	2022/06/08 10:14:10	56.3
172	2022/06/08 10:14:13	57.9
173	2022/06/08 10:14:16	65.0
174	2022/06/08 10:14:19	56.8
175	2022/06/08 10:14:22	50.1
176	2022/06/08 10:14:25	51.6
177	2022/06/08 10:14:28	52.9
178	2022/06/08 10:14:31	49.5
179	2022/06/08 10:14:34	48.4
180	2022/06/08 10:14:37	48.8
181	2022/06/08 10:14:40	57.1
182	2022/06/08 10:14:43	68.7
183	2022/06/08 10:14:46	71.7
184	2022/06/08 10:14:49	72.4
185	2022/06/08 10:14:52	67.1

186	2022/06/08 10:14:55	66.4
187	2022/06/08 10:14:58	65.0
188	2022/06/08 10:15:01	66.7
189	2022/06/08 10:15:04	56.6
190	2022/06/08 10:15:07	49.3
191	2022/06/08 10:15:10	46.4
192	2022/06/08 10:15:13	46.1
193	2022/06/08 10:15:16	48.4
194	2022/06/08 10:15:19	47.5
195	2022/06/08 10:15:22	49.8
196	2022/06/08 10:15:25	53.6
197	2022/06/08 10:15:28	62.2
198	2022/06/08 10:15:31	64.9
199	2022/06/08 10:15:34	64.9
200	2022/06/08 10:15:37	59.6

Measurement 3

Data Logger 2
SET 3
A
SLOW
Range 40-100
L05 69.7
L10 68.0
L50 57.6
L90 42.3
L95 40.4
Max dB 75.6
2022/06/08 09:31:43
SEL 91.3
Leq 63.6

No.s	Date Time	dB
1	2022/06/08 09:27:06	60.7
2	2022/06/08 09:27:09	65.3
3	2022/06/08 09:27:12	64.6
4	2022/06/08 09:27:15	67.8
5	2022/06/08 09:27:18	62.6
6	2022/06/08 09:27:21	56.1
7	2022/06/08 09:27:24	63.2
8	2022/06/08 09:27:27	57.5
9	2022/06/08 09:27:30	69.3
10	2022/06/08 09:27:33	66.4
11	2022/06/08 09:27:36	70.0
12	2022/06/08 09:27:39	70.6
13	2022/06/08 09:27:42	68.8
14	2022/06/08 09:27:45	70.4
15	2022/06/08 09:27:48	68.5
16	2022/06/08 09:27:51	65.8
17	2022/06/08 09:27:54	61.8
18	2022/06/08 09:27:57	59.4
19	2022/06/08 09:28:00	66.2
20	2022/06/08 09:28:03	68.1
21	2022/06/08 09:28:06	64.5
22	2022/06/08 09:28:09	58.5
23	2022/06/08 09:28:12	57.4
24	2022/06/08 09:28:15	58.4
25	2022/06/08 09:28:18	59.2
26	2022/06/08 09:28:21	63.2
27	2022/06/08 09:28:24	66.2
28	2022/06/08 09:28:27	61.4
29	2022/06/08 09:28:30	60.9
30	2022/06/08 09:28:33	67.5
31	2022/06/08 09:28:36	59.6
32	2022/06/08 09:28:39	55.5
33	2022/06/08 09:28:42	48.6
34	2022/06/08 09:28:45	42.5
35	2022/06/08 09:28:48	41.3

36	2022/06/08	09:28:51	39.5
37	2022/06/08	09:28:54	40.0
38	2022/06/08	09:28:57	42.3
39	2022/06/08	09:29:00	40.5
40	2022/06/08	09:29:03	40.5
41	2022/06/08	09:29:06	46.1
42	2022/06/08	09:29:09	53.0
43	2022/06/08	09:29:12	49.8
44	2022/06/08	09:29:15	47.9
45	2022/06/08	09:29:18	46.3
46	2022/06/08	09:29:21	42.9
47	2022/06/08	09:29:24	43.5
48	2022/06/08	09:29:27	42.9
49	2022/06/08	09:29:30	43.7
50	2022/06/08	09:29:33	48.1
51	2022/06/08	09:29:36	65.1
52	2022/06/08	09:29:39	72.7
53	2022/06/08	09:29:42	70.5
54	2022/06/08	09:29:45	70.0
55	2022/06/08	09:29:48	64.5
56	2022/06/08	09:29:51	66.8
57	2022/06/08	09:29:54	62.9
58	2022/06/08	09:29:57	61.8
59	2022/06/08	09:30:00	61.0
60	2022/06/08	09:30:03	62.7
61	2022/06/08	09:30:06	59.2
62	2022/06/08	09:30:09	63.9
63	2022/06/08	09:30:12	65.4
64	2022/06/08	09:30:15	58.1
65	2022/06/08	09:30:18	52.0
66	2022/06/08	09:30:21	55.5
67	2022/06/08	09:30:24	49.3
68	2022/06/08	09:30:27	42.7
69	2022/06/08	09:30:30	41.1
70	2022/06/08	09:30:33	37.7
71	2022/06/08	09:30:36	37.3
72	2022/06/08	09:30:39	40.1
73	2022/06/08	09:30:42	38.0
74	2022/06/08	09:30:45	37.0
75	2022/06/08	09:30:48	41.1
76	2022/06/08	09:30:51	41.4
77	2022/06/08	09:30:54	48.2
78	2022/06/08	09:30:57	65.1
79	2022/06/08	09:31:00	67.8
80	2022/06/08	09:31:03	58.5
81	2022/06/08	09:31:06	56.0
82	2022/06/08	09:31:09	56.0
83	2022/06/08	09:31:12	55.9
84	2022/06/08	09:31:15	54.7
85	2022/06/08	09:31:18	57.6

86	2022/06/08 09:31:21	52.2
87	2022/06/08 09:31:24	48.9
88	2022/06/08 09:31:27	43.3
89	2022/06/08 09:31:30	40.9
90	2022/06/08 09:31:33	44.0
91	2022/06/08 09:31:36	49.9
92	2022/06/08 09:31:39	66.7
93	2022/06/08 09:31:42	71.7
94	2022/06/08 09:31:45	69.7
95	2022/06/08 09:31:48	63.6
96	2022/06/08 09:31:51	66.6
97	2022/06/08 09:31:54	67.1
98	2022/06/08 09:31:57	66.5
99	2022/06/08 09:32:00	67.4
100	2022/06/08 09:32:03	67.8
101	2022/06/08 09:32:06	63.5
102	2022/06/08 09:32:09	59.3
103	2022/06/08 09:32:12	54.3
104	2022/06/08 09:32:15	49.5
105	2022/06/08 09:32:18	50.3
106	2022/06/08 09:32:21	59.2
107	2022/06/08 09:32:24	58.9
108	2022/06/08 09:32:27	57.2
109	2022/06/08 09:32:30	49.6
110	2022/06/08 09:32:33	44.3
111	2022/06/08 09:32:36	43.6
112	2022/06/08 09:32:39	43.5
113	2022/06/08 09:32:42	47.1
114	2022/06/08 09:32:45	47.6
115	2022/06/08 09:32:48	52.1
116	2022/06/08 09:32:51	64.5
117	2022/06/08 09:32:54	68.9
118	2022/06/08 09:32:57	62.9
119	2022/06/08 09:33:00	71.1
120	2022/06/08 09:33:03	63.8
121	2022/06/08 09:33:06	56.4
122	2022/06/08 09:33:09	68.2
123	2022/06/08 09:33:12	67.1
124	2022/06/08 09:33:15	58.0
125	2022/06/08 09:33:18	52.4
126	2022/06/08 09:33:21	48.8
127	2022/06/08 09:33:24	46.6
128	2022/06/08 09:33:27	44.0
129	2022/06/08 09:33:30	52.2
130	2022/06/08 09:33:33	56.0
131	2022/06/08 09:33:36	59.7
132	2022/06/08 09:33:39	59.6
133	2022/06/08 09:33:42	53.6
134	2022/06/08 09:33:45	64.2
135	2022/06/08 09:33:48	61.7

136	2022/06/08	09:33:51	62.9
137	2022/06/08	09:33:54	69.0
138	2022/06/08	09:33:57	70.7
139	2022/06/08	09:34:00	67.3
140	2022/06/08	09:34:03	66.2
141	2022/06/08	09:34:06	67.8
142	2022/06/08	09:34:09	66.7
143	2022/06/08	09:34:12	59.7
144	2022/06/08	09:34:15	51.2
145	2022/06/08	09:34:18	51.5
146	2022/06/08	09:34:21	64.8
147	2022/06/08	09:34:24	55.3
148	2022/06/08	09:34:27	47.2
149	2022/06/08	09:34:30	43.3
150	2022/06/08	09:34:33	42.3
151	2022/06/08	09:34:36	48.0
152	2022/06/08	09:34:39	55.7
153	2022/06/08	09:34:42	54.8
154	2022/06/08	09:34:45	53.0
155	2022/06/08	09:34:48	51.9
156	2022/06/08	09:34:51	62.8
157	2022/06/08	09:34:54	69.7
158	2022/06/08	09:34:57	64.9
159	2022/06/08	09:35:00	66.3
160	2022/06/08	09:35:03	61.4
161	2022/06/08	09:35:06	57.9
162	2022/06/08	09:35:09	55.7
163	2022/06/08	09:35:12	60.3
164	2022/06/08	09:35:15	66.7
165	2022/06/08	09:35:18	58.4
166	2022/06/08	09:35:21	60.2
167	2022/06/08	09:35:24	60.3
168	2022/06/08	09:35:27	51.1
169	2022/06/08	09:35:30	51.5
170	2022/06/08	09:35:33	55.2
171	2022/06/08	09:35:36	60.5
172	2022/06/08	09:35:39	55.7
173	2022/06/08	09:35:42	49.6
174	2022/06/08	09:35:45	47.5
175	2022/06/08	09:35:48	54.8
176	2022/06/08	09:35:51	55.0
177	2022/06/08	09:35:54	63.0
178	2022/06/08	09:35:57	62.6
179	2022/06/08	09:36:00	62.1
180	2022/06/08	09:36:03	51.3
181	2022/06/08	09:36:06	45.0
182	2022/06/08	09:36:09	62.8
183	2022/06/08	09:36:12	56.2
184	2022/06/08	09:36:15	48.4
185	2022/06/08	09:36:18	49.2

186	2022/06/08 09:36:21	49.8
187	2022/06/08 09:36:24	54.4
188	2022/06/08 09:36:27	53.0
189	2022/06/08 09:36:30	69.6
190	2022/06/08 09:36:33	69.7
191	2022/06/08 09:36:36	69.9
192	2022/06/08 09:36:39	67.5
193	2022/06/08 09:36:42	71.0
194	2022/06/08 09:36:45	67.6
195	2022/06/08 09:36:48	65.0
196	2022/06/08 09:36:51	56.4
197	2022/06/08 09:36:54	46.5
198	2022/06/08 09:36:57	42.4
199	2022/06/08 09:37:00	42.9
200	2022/06/08 09:37:03	49.0

Data Logger 2
SET 3
A
SLOW
Range 40-100
L05 53.9
L10 52.7
L50 47.4
L90 42.4
L95 40.2
Max dB 67.0
2022/06/08 08:26:47
SEL 79.1
Leq 51.4

No.s	Date Time	dB
1	2022/06/08 08:22:48	48.5
2	2022/06/08 08:22:51	46.3
3	2022/06/08 08:22:54	46.1
4	2022/06/08 08:22:57	46.2
5	2022/06/08 08:23:00	47.7
6	2022/06/08 08:23:03	48.8
7	2022/06/08 08:23:06	49.8
8	2022/06/08 08:23:09	49.7
9	2022/06/08 08:23:12	49.1
10	2022/06/08 08:23:15	49.6
11	2022/06/08 08:23:18	48.7
12	2022/06/08 08:23:21	53.6
13	2022/06/08 08:23:24	52.8
14	2022/06/08 08:23:27	49.5
15	2022/06/08 08:23:30	52.7
16	2022/06/08 08:23:33	53.9
17	2022/06/08 08:23:36	53.9
18	2022/06/08 08:23:39	49.7
19	2022/06/08 08:23:42	45.7
20	2022/06/08 08:23:45	42.6
21	2022/06/08 08:23:48	41.2
22	2022/06/08 08:23:51	42.7
23	2022/06/08 08:23:54	46.1
24	2022/06/08 08:23:57	51.6
25	2022/06/08 08:24:00	49.9
26	2022/06/08 08:24:03	50.0
27	2022/06/08 08:24:06	49.7
28	2022/06/08 08:24:09	45.0
29	2022/06/08 08:24:12	42.4
30	2022/06/08 08:24:15	45.6
31	2022/06/08 08:24:18	44.1
32	2022/06/08 08:24:21	43.1
33	2022/06/08 08:24:24	43.1
34	2022/06/08 08:24:27	43.3
35	2022/06/08 08:24:30	43.0

36	2022/06/08 08:24:33	44.2
37	2022/06/08 08:24:36	43.8
38	2022/06/08 08:24:39	44.5
39	2022/06/08 08:24:42	48.7
40	2022/06/08 08:24:45	52.6
41	2022/06/08 08:24:48	48.6
42	2022/06/08 08:24:51	45.5
43	2022/06/08 08:24:54	47.3
44	2022/06/08 08:24:57	45.0
45	2022/06/08 08:25:00	46.9
46	2022/06/08 08:25:03	47.2
47	2022/06/08 08:25:06	46.4
48	2022/06/08 08:25:09	45.8
49	2022/06/08 08:25:12	44.9
50	2022/06/08 08:25:15	45.1
51	2022/06/08 08:25:18	46.5
52	2022/06/08 08:25:21	47.1
53	2022/06/08 08:25:24	48.8
54	2022/06/08 08:25:27	49.8
55	2022/06/08 08:25:30	50.3
56	2022/06/08 08:25:33	49.0
57	2022/06/08 08:25:36	50.4
58	2022/06/08 08:25:39	45.0
59	2022/06/08 08:25:42	42.7
60	2022/06/08 08:25:45	42.7
61	2022/06/08 08:25:48	42.8
62	2022/06/08 08:25:51	42.8
63	2022/06/08 08:25:54	42.5
64	2022/06/08 08:25:57	42.8
65	2022/06/08 08:26:00	43.9
66	2022/06/08 08:26:03	45.9
67	2022/06/08 08:26:06	48.4
68	2022/06/08 08:26:09	50.6
69	2022/06/08 08:26:12	49.1
70	2022/06/08 08:26:15	49.3
71	2022/06/08 08:26:18	54.7
72	2022/06/08 08:26:21	51.1
73	2022/06/08 08:26:24	49.5
74	2022/06/08 08:26:27	50.5
75	2022/06/08 08:26:30	53.8
76	2022/06/08 08:26:33	56.6
77	2022/06/08 08:26:36	61.3
78	2022/06/08 08:26:39	60.4
79	2022/06/08 08:26:42	64.3
80	2022/06/08 08:26:45	66.5
81	2022/06/08 08:26:48	60.6
82	2022/06/08 08:26:51	58.5
83	2022/06/08 08:26:54	54.3
84	2022/06/08 08:26:57	49.1
85	2022/06/08 08:27:00	47.6

86	2022/06/08 08:27:03	46.7
87	2022/06/08 08:27:06	46.3
88	2022/06/08 08:27:09	45.4
89	2022/06/08 08:27:12	46.1
90	2022/06/08 08:27:15	47.3
91	2022/06/08 08:27:18	51.9
92	2022/06/08 08:27:21	52.8
93	2022/06/08 08:27:24	49.7
94	2022/06/08 08:27:27	49.2
95	2022/06/08 08:27:30	49.1
96	2022/06/08 08:27:33	47.7
97	2022/06/08 08:27:36	46.7
98	2022/06/08 08:27:39	47.4
99	2022/06/08 08:27:42	46.3
100	2022/06/08 08:27:45	45.6
101	2022/06/08 08:27:48	44.3
102	2022/06/08 08:27:51	44.0
103	2022/06/08 08:27:54	45.1
104	2022/06/08 08:27:57	44.3
105	2022/06/08 08:28:00	44.9
106	2022/06/08 08:28:03	44.5
107	2022/06/08 08:28:06	43.2
108	2022/06/08 08:28:09	43.1
109	2022/06/08 08:28:12	43.9
110	2022/06/08 08:28:15	44.1
111	2022/06/08 08:28:18	47.4
112	2022/06/08 08:28:21	53.5
113	2022/06/08 08:28:24	51.3
114	2022/06/08 08:28:27	46.0
115	2022/06/08 08:28:30	46.5
116	2022/06/08 08:28:33	50.1
117	2022/06/08 08:28:36	52.0
118	2022/06/08 08:28:39	60.6
119	2022/06/08 08:28:42	62.2
120	2022/06/08 08:28:45	51.9
121	2022/06/08 08:28:48	49.4
122	2022/06/08 08:28:51	52.3
123	2022/06/08 08:28:54	53.8
124	2022/06/08 08:28:57	52.3
125	2022/06/08 08:29:00	51.2
126	2022/06/08 08:29:03	49.3
127	2022/06/08 08:29:06	48.5
128	2022/06/08 08:29:09	51.5
129	2022/06/08 08:29:12	53.8
130	2022/06/08 08:29:15	51.3
131	2022/06/08 08:29:18	47.8
132	2022/06/08 08:29:21	47.6
133	2022/06/08 08:29:24	48.9
134	2022/06/08 08:29:27	51.1
135	2022/06/08 08:29:30	49.1

136	2022/06/08	08:29:33	46.4
137	2022/06/08	08:29:36	46.2
138	2022/06/08	08:29:39	43.7
139	2022/06/08	08:29:42	48.4
140	2022/06/08	08:29:45	47.8
141	2022/06/08	08:29:48	42.8
142	2022/06/08	08:29:51	42.7
143	2022/06/08	08:29:54	42.2
144	2022/06/08	08:29:57	42.3
145	2022/06/08	08:30:00	44.0
146	2022/06/08	08:30:03	45.4
147	2022/06/08	08:30:06	44.3
148	2022/06/08	08:30:09	43.4
149	2022/06/08	08:30:12	46.1
150	2022/06/08	08:30:15	51.1
151	2022/06/08	08:30:18	52.1
152	2022/06/08	08:30:21	49.9
153	2022/06/08	08:30:24	51.1
154	2022/06/08	08:30:27	48.8
155	2022/06/08	08:30:30	48.9
156	2022/06/08	08:30:33	50.1
157	2022/06/08	08:30:36	47.4
158	2022/06/08	08:30:39	46.1
159	2022/06/08	08:30:42	45.5
160	2022/06/08	08:30:45	47.7
161	2022/06/08	08:30:48	48.3
162	2022/06/08	08:30:51	48.5
163	2022/06/08	08:30:54	49.1
164	2022/06/08	08:30:57	49.5
165	2022/06/08	08:31:00	47.3
166	2022/06/08	08:31:03	48.0
167	2022/06/08	08:31:06	48.0
168	2022/06/08	08:31:09	48.0
169	2022/06/08	08:31:12	47.0
170	2022/06/08	08:31:15	47.3
171	2022/06/08	08:31:18	47.0
172	2022/06/08	08:31:21	47.9
173	2022/06/08	08:31:24	48.8
174	2022/06/08	08:31:27	48.7
175	2022/06/08	08:31:30	47.2
176	2022/06/08	08:31:33	46.8
177	2022/06/08	08:31:36	47.7
178	2022/06/08	08:31:39	46.7
179	2022/06/08	08:31:42	44.6
180	2022/06/08	08:31:45	42.8
181	2022/06/08	08:31:48	41.6
182	2022/06/08	08:31:51	40.7
183	2022/06/08	08:31:54	39.8
184	2022/06/08	08:31:57	39.6
185	2022/06/08	08:32:00	39.9

186	2022/06/08 08:32:03	40.3
187	2022/06/08 08:32:06	39.7
188	2022/06/08 08:32:09	39.6
189	2022/06/08 08:32:12	37.8
190	2022/06/08 08:32:15	39.0
191	2022/06/08 08:32:18	40.1
192	2022/06/08 08:32:21	42.4
193	2022/06/08 08:32:24	42.5
194	2022/06/08 08:32:27	40.1
195	2022/06/08 08:32:30	43.4
196	2022/06/08 08:32:33	50.0
197	2022/06/08 08:32:36	51.7
198	2022/06/08 08:32:39	50.9
199	2022/06/08 08:32:42	48.2
200	2022/06/08 08:32:45	45.4

Measurement 5

Data Logger 2
SET 240
A
SLOW
Range 40-100
L05 57.8
L10 57.1
L50 52.7
L90 51.4
L95 50.9
Max dB 68.3
2022/06/07 09:49:57
SEL 82.2
Leq 54.5

No.s	Date Time	dB
1	2022/06/07 09:48:27	53.2
2	2022/06/07 09:52:27	54.3

Data Logger 2
SET 3
A
SLOW
Range 40-100
L05 71.3
L10 70.2
L50 61.7
L90 42.7
L95 38.9
Max dB 75.6
2022/06/08 07:45:54
SEL 93.5
Leq 65.9

No.s	Date Time	dB
1	2022/06/08 07:43:55	59.3
2	2022/06/08 07:43:58	57.3
3	2022/06/08 07:44:01	63.8
4	2022/06/08 07:44:04	59.3
5	2022/06/08 07:44:07	61.7
6	2022/06/08 07:44:10	58.7
7	2022/06/08 07:44:13	60.8
8	2022/06/08 07:44:16	67.4
9	2022/06/08 07:44:19	68.2
10	2022/06/08 07:44:22	70.0
11	2022/06/08 07:44:25	67.0
12	2022/06/08 07:44:28	60.4
13	2022/06/08 07:44:31	66.6
14	2022/06/08 07:44:34	65.0
15	2022/06/08 07:44:37	61.1
16	2022/06/08 07:44:40	64.2
17	2022/06/08 07:44:43	55.3
18	2022/06/08 07:44:46	55.6
19	2022/06/08 07:44:49	67.3
20	2022/06/08 07:44:52	61.5
21	2022/06/08 07:44:55	54.8
22	2022/06/08 07:44:58	47.9
23	2022/06/08 07:45:01	43.6
24	2022/06/08 07:45:04	42.7
25	2022/06/08 07:45:07	39.0
26	2022/06/08 07:45:10	37.9
27	2022/06/08 07:45:13	38.4
28	2022/06/08 07:45:16	44.5
29	2022/06/08 07:45:19	55.2
30	2022/06/08 07:45:22	58.0
31	2022/06/08 07:45:25	61.1
32	2022/06/08 07:45:28	61.9
33	2022/06/08 07:45:31	60.8
34	2022/06/08 07:45:34	73.2
35	2022/06/08 07:45:37	63.4

36	2022/06/08 07:45:40	65.1
37	2022/06/08 07:45:43	56.1
38	2022/06/08 07:45:46	67.0
39	2022/06/08 07:45:49	71.2
40	2022/06/08 07:45:52	75.6
41	2022/06/08 07:45:55	70.3
42	2022/06/08 07:45:58	70.6
43	2022/06/08 07:46:01	66.5
44	2022/06/08 07:46:04	69.5
45	2022/06/08 07:46:07	72.6
46	2022/06/08 07:46:10	71.8
47	2022/06/08 07:46:13	68.6
48	2022/06/08 07:46:16	66.2
49	2022/06/08 07:46:19	68.5
50	2022/06/08 07:46:22	65.0
51	2022/06/08 07:46:25	63.2
52	2022/06/08 07:46:28	69.7
53	2022/06/08 07:46:31	70.9
54	2022/06/08 07:46:34	69.8
55	2022/06/08 07:46:37	69.0
56	2022/06/08 07:46:40	67.3
57	2022/06/08 07:46:43	68.4
58	2022/06/08 07:46:46	68.0
59	2022/06/08 07:46:49	68.4
60	2022/06/08 07:46:52	68.7
61	2022/06/08 07:46:55	60.9
62	2022/06/08 07:46:58	68.5
63	2022/06/08 07:47:01	58.8
64	2022/06/08 07:47:04	54.0
65	2022/06/08 07:47:07	66.3
66	2022/06/08 07:47:10	69.9
67	2022/06/08 07:47:13	59.0
68	2022/06/08 07:47:16	51.4
69	2022/06/08 07:47:19	54.5
70	2022/06/08 07:47:22	70.6
71	2022/06/08 07:47:25	65.1
72	2022/06/08 07:47:28	63.8
73	2022/06/08 07:47:31	58.0
74	2022/06/08 07:47:34	65.2
75	2022/06/08 07:47:37	60.0
76	2022/06/08 07:47:40	56.8
77	2022/06/08 07:47:43	55.6
78	2022/06/08 07:47:46	53.5
79	2022/06/08 07:47:49	54.0
80	2022/06/08 07:47:52	50.3
81	2022/06/08 07:47:55	60.1
82	2022/06/08 07:47:58	66.9
83	2022/06/08 07:48:01	63.4
84	2022/06/08 07:48:04	63.4
85	2022/06/08 07:48:07	71.0

86	2022/06/08 07:48:10	66.3
87	2022/06/08 07:48:13	69.7
88	2022/06/08 07:48:16	69.5
89	2022/06/08 07:48:19	65.3
90	2022/06/08 07:48:22	62.7
91	2022/06/08 07:48:25	70.7
92	2022/06/08 07:48:28	64.8
93	2022/06/08 07:48:31	65.7
94	2022/06/08 07:48:34	69.6
95	2022/06/08 07:48:37	68.5
96	2022/06/08 07:48:40	65.9
97	2022/06/08 07:48:43	67.1
98	2022/06/08 07:48:46	62.3
99	2022/06/08 07:48:49	72.3
100	2022/06/08 07:48:52	70.1
101	2022/06/08 07:48:55	69.9
102	2022/06/08 07:48:58	60.3
103	2022/06/08 07:49:01	51.6
104	2022/06/08 07:49:04	42.6
105	2022/06/08 07:49:07	40.6
106	2022/06/08 07:49:10	42.9
107	2022/06/08 07:49:13	44.3
108	2022/06/08 07:49:16	39.1
109	2022/06/08 07:49:19	41.3
110	2022/06/08 07:49:22	54.6
111	2022/06/08 07:49:25	68.7
112	2022/06/08 07:49:28	61.7
113	2022/06/08 07:49:31	62.8
114	2022/06/08 07:49:34	54.8
115	2022/06/08 07:49:37	56.2
116	2022/06/08 07:49:40	50.5
117	2022/06/08 07:49:43	45.4
118	2022/06/08 07:49:46	51.8
119	2022/06/08 07:49:49	45.3
120	2022/06/08 07:49:52	44.7
121	2022/06/08 07:49:55	46.5
122	2022/06/08 07:49:58	52.1
123	2022/06/08 07:50:01	62.5
124	2022/06/08 07:50:04	67.9
125	2022/06/08 07:50:07	67.6
126	2022/06/08 07:50:10	70.1
127	2022/06/08 07:50:13	71.3
128	2022/06/08 07:50:16	71.0
129	2022/06/08 07:50:19	67.0
130	2022/06/08 07:50:22	70.1
131	2022/06/08 07:50:25	68.2
132	2022/06/08 07:50:28	60.6
133	2022/06/08 07:50:31	54.8
134	2022/06/08 07:50:34	48.2
135	2022/06/08 07:50:37	49.0

136	2022/06/08 07:50:40	49.3
137	2022/06/08 07:50:43	55.8
138	2022/06/08 07:50:46	69.6
139	2022/06/08 07:50:49	71.0
140	2022/06/08 07:50:52	64.1
141	2022/06/08 07:50:55	57.3
142	2022/06/08 07:50:58	60.0
143	2022/06/08 07:51:01	50.0
144	2022/06/08 07:51:04	43.2
145	2022/06/08 07:51:07	40.6
146	2022/06/08 07:51:10	37.8
147	2022/06/08 07:51:13	38.1
148	2022/06/08 07:51:16	40.5
149	2022/06/08 07:51:19	47.4
150	2022/06/08 07:51:22	61.6
151	2022/06/08 07:51:25	63.9
152	2022/06/08 07:51:28	57.4
153	2022/06/08 07:51:31	61.1
154	2022/06/08 07:51:34	59.0
155	2022/06/08 07:51:37	54.8
156	2022/06/08 07:51:40	50.4
157	2022/06/08 07:51:43	50.9
158	2022/06/08 07:51:46	63.1
159	2022/06/08 07:51:49	57.7
160	2022/06/08 07:51:52	56.9
161	2022/06/08 07:51:55	52.8
162	2022/06/08 07:51:58	50.4
163	2022/06/08 07:52:01	46.8
164	2022/06/08 07:52:04	38.3
165	2022/06/08 07:52:07	34.2
166	2022/06/08 07:52:10	35.9
167	2022/06/08 07:52:13	36.3
168	2022/06/08 07:52:16	37.6
169	2022/06/08 07:52:19	46.1
170	2022/06/08 07:52:22	56.3
171	2022/06/08 07:52:25	53.6
172	2022/06/08 07:52:28	50.5
173	2022/06/08 07:52:31	66.8
174	2022/06/08 07:52:34	70.5
175	2022/06/08 07:52:37	67.5
176	2022/06/08 07:52:40	70.5
177	2022/06/08 07:52:43	69.3
178	2022/06/08 07:52:46	69.3
179	2022/06/08 07:52:49	69.6
180	2022/06/08 07:52:52	71.5
181	2022/06/08 07:52:55	63.6
182	2022/06/08 07:52:58	69.8
183	2022/06/08 07:53:01	61.7
184	2022/06/08 07:53:04	61.9
185	2022/06/08 07:53:07	64.9

186	2022/06/08 07:53:10	65.2
187	2022/06/08 07:53:13	63.6
188	2022/06/08 07:53:16	69.3
189	2022/06/08 07:53:19	69.5
190	2022/06/08 07:53:22	69.1
191	2022/06/08 07:53:25	59.1
192	2022/06/08 07:53:28	49.7
193	2022/06/08 07:53:31	44.8
194	2022/06/08 07:53:34	52.0
195	2022/06/08 07:53:37	57.9
196	2022/06/08 07:53:40	51.5
197	2022/06/08 07:53:43	51.2
198	2022/06/08 07:53:46	51.7
199	2022/06/08 07:53:49	65.5
200	2022/06/08 07:53:52	69.3

Measurement 7

Data Logger 2
SET 3
A
SLOW
Range 40-100
L05 60.8
L10 57.8
L50 49.6
L90 42.8
L95 39.5
Max dB 69.3
2022/06/08 08:10:59
SEL 82.1
Leq 54.4

No.s	Date Time	dB
1	2022/06/08 08:03:21	59.4
2	2022/06/08 08:03:24	60.2
3	2022/06/08 08:03:27	56.9
4	2022/06/08 08:03:30	50.8
5	2022/06/08 08:03:33	42.4
6	2022/06/08 08:03:36	40.9
7	2022/06/08 08:03:39	46.5
8	2022/06/08 08:03:42	42.3
9	2022/06/08 08:03:45	42.5
10	2022/06/08 08:03:48	41.1
11	2022/06/08 08:03:51	39.0
12	2022/06/08 08:03:54	38.4
13	2022/06/08 08:03:57	38.4
14	2022/06/08 08:04:00	38.4
15	2022/06/08 08:04:03	38.9
16	2022/06/08 08:04:06	41.6
17	2022/06/08 08:04:09	50.1
18	2022/06/08 08:04:12	65.7
19	2022/06/08 08:04:15	63.9
20	2022/06/08 08:04:18	60.0
21	2022/06/08 08:04:21	53.7
22	2022/06/08 08:04:24	50.1
23	2022/06/08 08:04:27	51.2
24	2022/06/08 08:04:30	48.9
25	2022/06/08 08:04:33	56.3
26	2022/06/08 08:04:36	48.5
27	2022/06/08 08:04:39	43.2
28	2022/06/08 08:04:42	46.9
29	2022/06/08 08:04:45	49.8
30	2022/06/08 08:04:48	48.1
31	2022/06/08 08:04:51	48.9
32	2022/06/08 08:04:54	61.9
33	2022/06/08 08:04:57	61.5
34	2022/06/08 08:05:00	57.4
35	2022/06/08 08:05:03	52.7

36	2022/06/08	08:05:06	60.8
37	2022/06/08	08:05:09	57.4
38	2022/06/08	08:05:12	51.2
39	2022/06/08	08:05:15	49.3
40	2022/06/08	08:05:18	49.0
41	2022/06/08	08:05:21	52.0
42	2022/06/08	08:05:24	45.3
43	2022/06/08	08:05:27	48.6
44	2022/06/08	08:05:30	51.3
45	2022/06/08	08:05:33	50.7
46	2022/06/08	08:05:36	45.5
47	2022/06/08	08:05:39	47.7
48	2022/06/08	08:05:42	44.9
49	2022/06/08	08:05:45	38.7
50	2022/06/08	08:05:48	38.3
51	2022/06/08	08:05:51	45.8
52	2022/06/08	08:05:54	51.5
53	2022/06/08	08:05:57	52.9
54	2022/06/08	08:06:00	46.0
55	2022/06/08	08:06:03	49.8
56	2022/06/08	08:06:06	57.2
57	2022/06/08	08:06:09	61.7
58	2022/06/08	08:06:12	57.8
59	2022/06/08	08:06:15	48.9
60	2022/06/08	08:06:18	52.2
61	2022/06/08	08:06:21	56.1
62	2022/06/08	08:06:24	59.1
63	2022/06/08	08:06:27	55.1
64	2022/06/08	08:06:30	62.3
65	2022/06/08	08:06:33	57.2
66	2022/06/08	08:06:36	53.3
67	2022/06/08	08:06:39	47.3
68	2022/06/08	08:06:42	43.9
69	2022/06/08	08:06:45	49.6
70	2022/06/08	08:06:48	46.7
71	2022/06/08	08:06:51	50.0
72	2022/06/08	08:06:54	42.8
73	2022/06/08	08:06:57	51.0
74	2022/06/08	08:07:00	48.7
75	2022/06/08	08:07:03	50.5
76	2022/06/08	08:07:06	49.4
77	2022/06/08	08:07:09	47.9
78	2022/06/08	08:07:12	44.4
79	2022/06/08	08:07:15	43.6
80	2022/06/08	08:07:18	50.1
81	2022/06/08	08:07:21	50.1
82	2022/06/08	08:07:24	52.4
83	2022/06/08	08:07:27	52.1
84	2022/06/08	08:07:30	46.0
85	2022/06/08	08:07:33	51.7

86	2022/06/08 08:07:36	50.4
87	2022/06/08 08:07:39	45.6
88	2022/06/08 08:07:42	46.4
89	2022/06/08 08:07:45	48.8
90	2022/06/08 08:07:48	47.1
91	2022/06/08 08:07:51	46.1
92	2022/06/08 08:07:54	47.3
93	2022/06/08 08:07:57	49.5
94	2022/06/08 08:08:00	44.5
95	2022/06/08 08:08:03	49.5
96	2022/06/08 08:08:06	53.7
97	2022/06/08 08:08:09	48.1
98	2022/06/08 08:08:12	49.0
99	2022/06/08 08:08:15	62.1
100	2022/06/08 08:08:18	56.7
101	2022/06/08 08:08:21	50.0
102	2022/06/08 08:08:24	50.6
103	2022/06/08 08:08:27	51.5
104	2022/06/08 08:08:30	45.3
105	2022/06/08 08:08:33	42.4
106	2022/06/08 08:08:36	50.8
107	2022/06/08 08:08:39	49.1
108	2022/06/08 08:08:42	48.2
109	2022/06/08 08:08:45	47.4
110	2022/06/08 08:08:48	46.4
111	2022/06/08 08:08:51	50.1
112	2022/06/08 08:08:54	50.2
113	2022/06/08 08:08:57	48.7
114	2022/06/08 08:09:00	51.4
115	2022/06/08 08:09:03	52.7
116	2022/06/08 08:09:06	43.3
117	2022/06/08 08:09:09	43.1
118	2022/06/08 08:09:12	51.7
119	2022/06/08 08:09:15	51.5
120	2022/06/08 08:09:18	49.2
121	2022/06/08 08:09:21	53.1
122	2022/06/08 08:09:24	59.3
123	2022/06/08 08:09:27	60.8
124	2022/06/08 08:09:30	58.7
125	2022/06/08 08:09:33	53.2
126	2022/06/08 08:09:36	53.3
127	2022/06/08 08:09:39	52.4
128	2022/06/08 08:09:42	51.8
129	2022/06/08 08:09:45	51.2
130	2022/06/08 08:09:48	48.4
131	2022/06/08 08:09:51	42.0
132	2022/06/08 08:09:54	42.1
133	2022/06/08 08:09:57	48.6
134	2022/06/08 08:10:00	48.2
135	2022/06/08 08:10:03	47.3

136	2022/06/08	08:10:06	47.5
137	2022/06/08	08:10:09	48.9
138	2022/06/08	08:10:12	54.5
139	2022/06/08	08:10:15	45.3
140	2022/06/08	08:10:18	45.4
141	2022/06/08	08:10:21	48.4
142	2022/06/08	08:10:24	51.8
143	2022/06/08	08:10:27	48.7
144	2022/06/08	08:10:30	42.2
145	2022/06/08	08:10:33	47.0
146	2022/06/08	08:10:36	47.9
147	2022/06/08	08:10:39	49.0
148	2022/06/08	08:10:42	51.4
149	2022/06/08	08:10:45	48.5
150	2022/06/08	08:10:48	51.5
151	2022/06/08	08:10:51	54.7
152	2022/06/08	08:10:54	58.9
153	2022/06/08	08:10:57	69.3
154	2022/06/08	08:11:00	62.8
155	2022/06/08	08:11:03	54.3
156	2022/06/08	08:11:06	48.8
157	2022/06/08	08:11:09	51.0
158	2022/06/08	08:11:12	50.0
159	2022/06/08	08:11:15	46.5
160	2022/06/08	08:11:18	47.6
161	2022/06/08	08:11:21	50.6
162	2022/06/08	08:11:24	49.4
163	2022/06/08	08:11:27	51.6
164	2022/06/08	08:11:30	49.3
165	2022/06/08	08:11:33	51.8
166	2022/06/08	08:11:36	53.1
167	2022/06/08	08:11:39	49.9
168	2022/06/08	08:11:42	48.7
169	2022/06/08	08:11:45	50.6
170	2022/06/08	08:11:48	49.5
171	2022/06/08	08:11:51	51.0
172	2022/06/08	08:11:54	51.0
173	2022/06/08	08:11:57	51.3
174	2022/06/08	08:12:00	48.3
175	2022/06/08	08:12:03	47.7
176	2022/06/08	08:12:06	50.5
177	2022/06/08	08:12:09	46.2
178	2022/06/08	08:12:12	44.7
179	2022/06/08	08:12:15	44.5
180	2022/06/08	08:12:18	48.9
181	2022/06/08	08:12:21	48.1
182	2022/06/08	08:12:24	51.1
183	2022/06/08	08:12:27	49.4
184	2022/06/08	08:12:30	42.7
185	2022/06/08	08:12:33	49.2

186	2022/06/08 08:12:36	48.9
187	2022/06/08 08:12:39	51.4
188	2022/06/08 08:12:42	52.4
189	2022/06/08 08:12:45	47.8
190	2022/06/08 08:12:48	40.1
191	2022/06/08 08:12:51	39.2
192	2022/06/08 08:12:54	39.2
193	2022/06/08 08:12:57	44.2
194	2022/06/08 08:13:00	44.1
195	2022/06/08 08:13:03	47.5
196	2022/06/08 08:13:06	63.5
197	2022/06/08 08:13:09	59.1
198	2022/06/08 08:13:12	58.1
199	2022/06/08 08:13:15	59.4
200	2022/06/08 08:13:18	50.4

Measurement 8

Data Logger 2
SET 240
A
SLOW
Range 40-100
L05 68.9
L10 67.2
L50 60.0
L90 50.8
L95 48.8
Max dB 72.3
2022/06/07 10:10:46
SEL 91.1
Leq 63.4

No.s	Date Time	dB
1	2022/06/07 10:08:45	60.5
2	2022/06/07 10:12:45	55.1

Measurement 9

Data Logger 2
SET 240
A
SLOW
Range 40-100
L05 72.2
L10 70.8
L50 61.1
L90 52.8
L95 51.3
Max dB 77.2
2022/06/07 10:28:10
SEL 94.0
Leq 66.3

No.s	Date Time	dB
1	2022/06/07 10:24:42	54.7
2	2022/06/07 10:28:42	60.6

Measurement 10

Data Logger 2
SET 240
A
SLOW
Range 40-100
L05 59.0
L10 58.1
L50 53.7
L90 50.6
L95 48.6
Max dB 63.2
2022/06/07 07:43:56
SEL 82.9
Leq 55.2

No.s	Date Time	dB
1	2022/06/07 07:37:48	51.0
2	2022/06/07 07:41:48	53.6

Data Logger 2
SET 3
A
SLOW
Range 40-100
L05 46.5
L10 46.2
L50 44.1
L90 42.8
L95 42.6
Max dB 51.3
2022/06/08 10:30:50
SEL 72.1
Leq 44.4

No.s	Date Time	dB
1	2022/06/08 10:28:56	46.8
2	2022/06/08 10:28:59	46.2
3	2022/06/08 10:29:02	43.9
4	2022/06/08 10:29:05	45.6
5	2022/06/08 10:29:08	47.2
6	2022/06/08 10:29:11	43.8
7	2022/06/08 10:29:14	47.9
8	2022/06/08 10:29:17	44.4
9	2022/06/08 10:29:20	45.8
10	2022/06/08 10:29:23	46.5
11	2022/06/08 10:29:26	46.5
12	2022/06/08 10:29:29	46.1
13	2022/06/08 10:29:32	45.8
14	2022/06/08 10:29:35	45.8
15	2022/06/08 10:29:38	44.5
16	2022/06/08 10:29:41	45.7
17	2022/06/08 10:29:44	46.0
18	2022/06/08 10:29:47	46.4
19	2022/06/08 10:29:50	45.4
20	2022/06/08 10:29:53	45.7
21	2022/06/08 10:29:56	44.6
22	2022/06/08 10:29:59	44.3
23	2022/06/08 10:30:02	43.9
24	2022/06/08 10:30:05	45.5
25	2022/06/08 10:30:08	44.6
26	2022/06/08 10:30:11	45.0
27	2022/06/08 10:30:14	44.4
28	2022/06/08 10:30:17	43.9
29	2022/06/08 10:30:20	44.7
30	2022/06/08 10:30:23	44.1
31	2022/06/08 10:30:26	44.1
32	2022/06/08 10:30:29	43.9
33	2022/06/08 10:30:32	45.9
34	2022/06/08 10:30:35	45.7
35	2022/06/08 10:30:38	46.1

36	2022/06/08	10:30:41	45.7
37	2022/06/08	10:30:44	46.1
38	2022/06/08	10:30:47	50.0
39	2022/06/08	10:30:50	45.2
40	2022/06/08	10:30:53	44.7
41	2022/06/08	10:30:56	46.2
42	2022/06/08	10:30:59	46.1
43	2022/06/08	10:31:02	46.6
44	2022/06/08	10:31:05	46.6
45	2022/06/08	10:31:08	46.9
46	2022/06/08	10:31:11	46.8
47	2022/06/08	10:31:14	45.9
48	2022/06/08	10:31:17	45.9
49	2022/06/08	10:31:20	46.2
50	2022/06/08	10:31:23	45.5
51	2022/06/08	10:31:26	44.1
52	2022/06/08	10:31:29	45.0
53	2022/06/08	10:31:32	45.3
54	2022/06/08	10:31:35	45.7
55	2022/06/08	10:31:38	45.9
56	2022/06/08	10:31:41	46.3
57	2022/06/08	10:31:44	46.3
58	2022/06/08	10:31:47	47.1
59	2022/06/08	10:31:50	46.8
60	2022/06/08	10:31:53	45.4
61	2022/06/08	10:31:56	44.7
62	2022/06/08	10:31:59	43.9
63	2022/06/08	10:32:02	43.7
64	2022/06/08	10:32:05	43.6
65	2022/06/08	10:32:08	43.6
66	2022/06/08	10:32:11	44.0
67	2022/06/08	10:32:14	44.2
68	2022/06/08	10:32:17	43.9
69	2022/06/08	10:32:20	44.4
70	2022/06/08	10:32:23	43.6
71	2022/06/08	10:32:26	44.4
72	2022/06/08	10:32:29	43.2
73	2022/06/08	10:32:32	42.6
74	2022/06/08	10:32:35	43.0
75	2022/06/08	10:32:38	42.9
76	2022/06/08	10:32:41	43.9
77	2022/06/08	10:32:44	43.8
78	2022/06/08	10:32:47	43.0
79	2022/06/08	10:32:50	43.5
80	2022/06/08	10:32:53	44.0
81	2022/06/08	10:32:56	42.7
82	2022/06/08	10:32:59	43.5
83	2022/06/08	10:33:02	43.0
84	2022/06/08	10:33:05	43.0
85	2022/06/08	10:33:08	43.0

86	2022/06/08	10:33:11	42.5
87	2022/06/08	10:33:14	43.0
88	2022/06/08	10:33:17	43.2
89	2022/06/08	10:33:20	43.0
90	2022/06/08	10:33:23	43.0
91	2022/06/08	10:33:26	42.4
92	2022/06/08	10:33:29	43.1
93	2022/06/08	10:33:32	43.6
94	2022/06/08	10:33:35	42.9
95	2022/06/08	10:33:38	44.2
96	2022/06/08	10:33:41	44.5
97	2022/06/08	10:33:44	42.8
98	2022/06/08	10:33:47	42.7
99	2022/06/08	10:33:50	43.8
100	2022/06/08	10:33:53	43.3
101	2022/06/08	10:33:56	42.9
102	2022/06/08	10:33:59	42.8
103	2022/06/08	10:34:02	42.0
104	2022/06/08	10:34:05	42.4
105	2022/06/08	10:34:08	42.6
106	2022/06/08	10:34:11	42.8
107	2022/06/08	10:34:14	42.7
108	2022/06/08	10:34:17	43.1
109	2022/06/08	10:34:20	43.5
110	2022/06/08	10:34:23	43.4
111	2022/06/08	10:34:26	43.8
112	2022/06/08	10:34:29	43.6
113	2022/06/08	10:34:32	43.3
114	2022/06/08	10:34:35	43.1
115	2022/06/08	10:34:38	44.6
116	2022/06/08	10:34:41	43.1
117	2022/06/08	10:34:44	43.8
118	2022/06/08	10:34:47	44.1
119	2022/06/08	10:34:50	43.8
120	2022/06/08	10:34:53	44.0
121	2022/06/08	10:34:56	43.9
122	2022/06/08	10:34:59	44.5
123	2022/06/08	10:35:02	44.1
124	2022/06/08	10:35:05	43.9
125	2022/06/08	10:35:08	43.9
126	2022/06/08	10:35:11	43.2
127	2022/06/08	10:35:14	43.6
128	2022/06/08	10:35:17	44.0
129	2022/06/08	10:35:20	44.1
130	2022/06/08	10:35:23	44.7
131	2022/06/08	10:35:26	44.2
132	2022/06/08	10:35:29	43.5
133	2022/06/08	10:35:32	43.5
134	2022/06/08	10:35:35	42.7
135	2022/06/08	10:35:38	42.5

136	2022/06/08 10:35:41	43.2
137	2022/06/08 10:35:44	43.6
138	2022/06/08 10:35:47	42.9
139	2022/06/08 10:35:50	43.3
140	2022/06/08 10:35:53	43.4
141	2022/06/08 10:35:56	43.4
142	2022/06/08 10:35:59	42.6
143	2022/06/08 10:36:02	42.7
144	2022/06/08 10:36:05	42.9
145	2022/06/08 10:36:08	42.7
146	2022/06/08 10:36:11	42.9
147	2022/06/08 10:36:14	44.2
148	2022/06/08 10:36:17	46.6
149	2022/06/08 10:36:20	45.0
150	2022/06/08 10:36:23	43.3
151	2022/06/08 10:36:26	43.8
152	2022/06/08 10:36:29	43.6
153	2022/06/08 10:36:32	43.4
154	2022/06/08 10:36:35	44.0
155	2022/06/08 10:36:38	44.5
156	2022/06/08 10:36:41	44.4
157	2022/06/08 10:36:44	45.8
158	2022/06/08 10:36:47	45.3
159	2022/06/08 10:36:50	44.4
160	2022/06/08 10:36:53	44.7
161	2022/06/08 10:36:56	44.7
162	2022/06/08 10:36:59	44.7
163	2022/06/08 10:37:02	43.8
164	2022/06/08 10:37:05	44.3
165	2022/06/08 10:37:08	42.7
166	2022/06/08 10:37:11	42.7
167	2022/06/08 10:37:14	43.0
168	2022/06/08 10:37:17	43.4
169	2022/06/08 10:37:20	43.2
170	2022/06/08 10:37:23	43.1
171	2022/06/08 10:37:26	43.3
172	2022/06/08 10:37:29	44.0
173	2022/06/08 10:37:32	43.7
174	2022/06/08 10:37:35	44.1
175	2022/06/08 10:37:38	44.3
176	2022/06/08 10:37:41	45.2
177	2022/06/08 10:37:44	45.0
178	2022/06/08 10:37:47	44.9
179	2022/06/08 10:37:50	45.9
180	2022/06/08 10:37:53	44.8
181	2022/06/08 10:37:56	44.3
182	2022/06/08 10:37:59	44.8
183	2022/06/08 10:38:02	45.1
184	2022/06/08 10:38:05	46.6
185	2022/06/08 10:38:08	45.6

186	2022/06/08 10:38:11	45.1
187	2022/06/08 10:38:14	46.0
188	2022/06/08 10:38:17	44.6
189	2022/06/08 10:38:20	44.1
190	2022/06/08 10:38:23	46.1
191	2022/06/08 10:38:26	44.8
192	2022/06/08 10:38:29	44.2
193	2022/06/08 10:38:32	45.3
194	2022/06/08 10:38:35	44.4
195	2022/06/08 10:38:38	44.6
196	2022/06/08 10:38:41	46.6
197	2022/06/08 10:38:44	44.8
198	2022/06/08 10:38:47	45.6
199	2022/06/08 10:38:50	45.7
200	2022/06/08 10:38:53	43.5

Data Logger 2
SET 240
A
SLOW
Range 40-100
L05 64.7
L10 62.6
L50 57.1
L90 55.0
L95 54.6
Max dB 71.1
2022/06/07 09:30:27
SEL 87.3
Leq 59.6

No.s	Date Time	dB
1	2022/06/07 09:28:49	55.9
2	2022/06/07 09:32:49	57.2

Measurement 13

Data Logger 2
SET 240
A
SLOW
Range 40-100
L05 64.5
L10 62.6
L50 58.8
L90 42.5
L95 41.5
Max dB 70.6
2022/06/07 09:11:58
SEL 87.6
Leq 59.9

No.s	Date Time	dB
1	2022/06/07 09:06:46	63.8
2	2022/06/07 09:10:46	62.6

Measurement 14

Data Logger 2
SET 240
A
SLOW
Range 40-100
L05 60.9
L10 54.2
L50 44.8
L90 41.5
L95 41.1
Max dB 68.9
2022/06/07 08:41:21
SEL 81.9
Leq 54.2

No.s	Date Time	dB
1	2022/06/07 08:40:48	44.3
2	2022/06/07 08:44:48	41.1

Measurement 15

Data Logger 2
SET 240
A
SLOW
Range 40-100
L05 71.4
L10 69.9
L50 56.6
L90 45.8
L95 45.3
Max dB 74.6
2022/06/07 08:21:18
SEL 92.2
Leq 64.5

No.s	Date Time	dB
1	2022/06/07 08:12:31	49.8
2	2022/06/07 08:16:31	62.6

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 04/29/2023
Case Description: Housing Element Implementation and Public Safety Element Update

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
50 Feet from Construction	Residential	65.0	65.0	65.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	50.0	0.0
Dozer	No	40		81.7	50.0	0.0
Jackhammer	Yes	20		88.9	50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Equipment	Calculated (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jackhammer	88.9	81.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	88.9	84.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

Carrier®
Turn to the Experts.℠

Product Data

Puron™ the environmentally sound refrigerant

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...

Puron™ the environmentally sound refrigerant

ARI PERFORMANCE CERTIFIED™ ARI Standard 210/240 Unitary Air Conditioners

ISO 9001:2000 QMI REGISTERED

c UL® us

ENERGY STAR PARTNER

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						
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						
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						
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						
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						
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						
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						
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

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:

[(Lineset oz/ft x total length) – (factory charge for lineset)] = charge adjustment

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

Formula: (.27 oz/ft x 15ft) – (9 oz) = (-4.95) 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 oz/ft. x 45ft) – (9 oz.) = 9 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
TSTATXXPBP01	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

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)

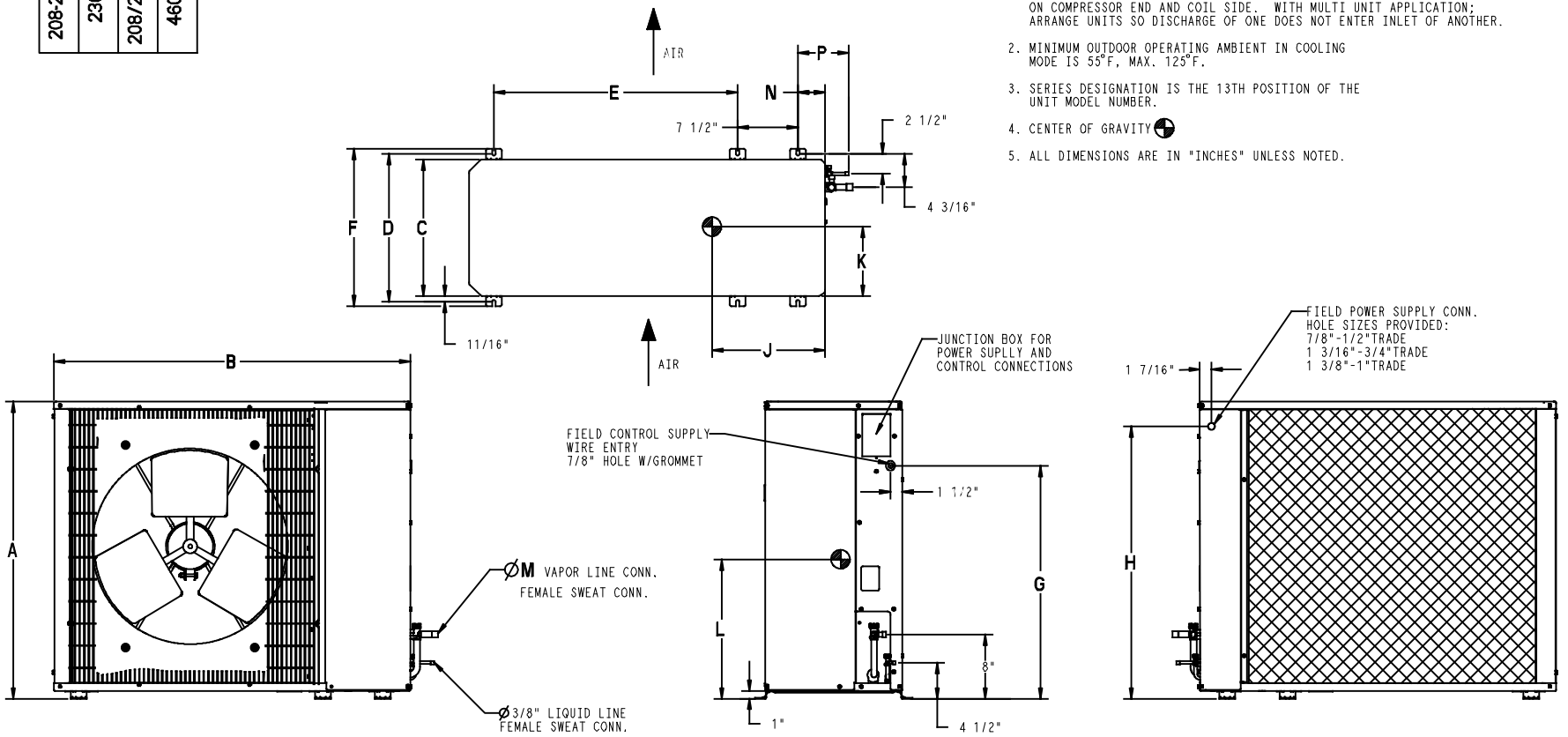
UNIT SIZE–VOLTAGE, SERIES	REQUIRED SUBCOOLING °F (°C)
018–31	12 (6.7)
024–32	12 (6.7)
030–31	12 (6.7)
036–31	12 (6.7)
048–32	12 (6.7)
060–32	12 (6.7)

DIMENSIONS - ENGLISH

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)
38HDR018	1	X	O	O	O	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" X 18" X 28 1/10"
38HDR024	1,2	X	O	O	O	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" X 18" X 34 1/10"
38HDR030	1	X	O	O	O	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" X 20 1/2" X 40 2/10"
38HDR036	1	X	O	X	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" X 20 1/2" X 40 2/10"
38HDR048	1,2	X	O	X	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" X 20 1/2" X 46 2/10"
38HDR060	1,2	X	O	X	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" X 20 1/2" X 46 2/10"
		208-230-1-60	230-1-60	208/230-3-60	460-3-60																	

X = YES
O = NO

1. 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.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55°F, MAX. 125°F.
3. SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.
4. CENTER OF GRAVITY
5. ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.



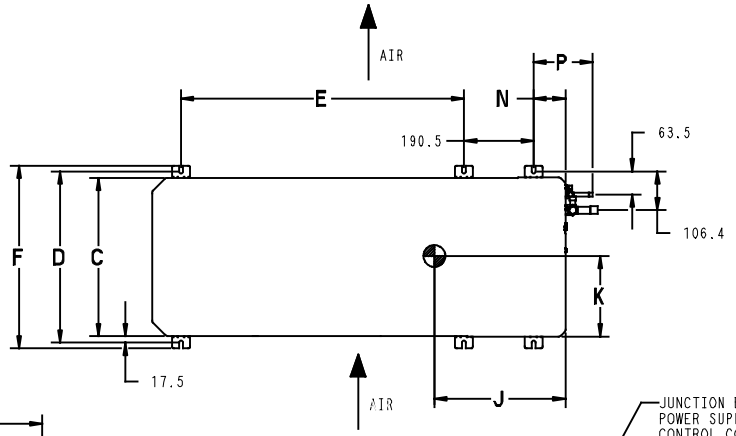
UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18,24	23" X 42"
30,36,48,60	24" X 50"

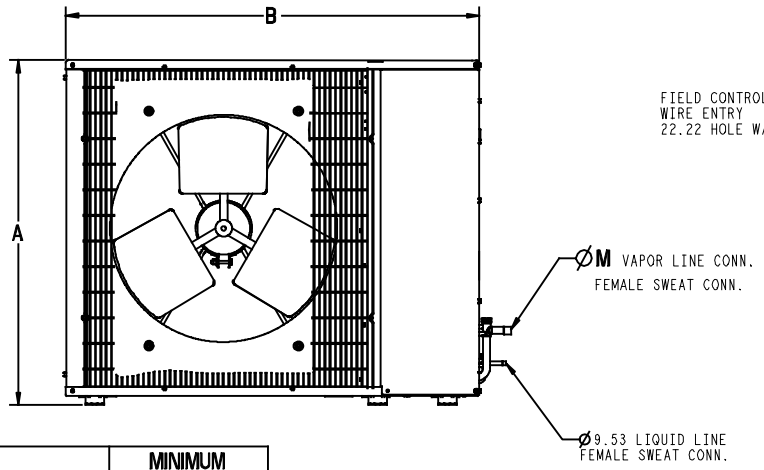
DIMENSIONS - SI

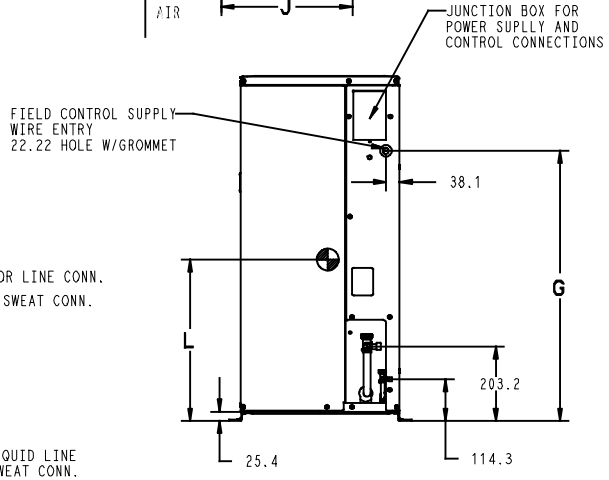
UNIT	SERIES	ELECTRICAL CHARACTERISTICS				A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT(KG)	SHIPPING WEIGHT(KG)	SHIPPING DIMENSIONS (L x W x H)
38HDR018	1	X	O	O	O	638.2	938.2	369.9	406.4	595.3	436.6	435.0	558.8	330.2	168.3	285.8	15.9	74.6	152.4	70.4	77.7	1090.2 X 457.7 X 714.3
38HDR024	1,2	X	O	O	O	790.6	938.2	369.9	406.4	595.3	436.6	587.4	711.2	355.6	171.5	295.3	15.9	74.6	152.4	81.8	90.0	1090.2 X 457.7 X 866.7
38HDR030	1	X	O	O	O	944.6	1131.9	433.4	468.3	774.7	498.5	741.4	865.2	347.7	206.4	403.2	19.0	87.3	165.1	90.9	101.4	1282.7 X 520.7 X 1020.7
38HDR036	1	X	O	X	X	944.6	1131.9	433.4	468.3	774.7	498.5	741.4	865.2	347.7	206.4	403.2	19.0	87.3	165.1	99.0	109.0	1282.7 X 520.7 X 1020.7
38HDR048	1,2	X	O	X	X	1097.0	1131.9	433.4	468.3	774.7	498.5	893.8	1017.6	368.3	215.9	479.4	22.2	87.3	165.1	129.0	140.4	1282.7 X 520.7 X 1173.1
38HDR060	1,2	X	O	X	X	1097.0	1131.9	433.4	468.3	774.7	498.5	893.8	1017.6	368.3	215.9	479.4	22.2	87.3	165.1	133.6	145.0	1282.7 X 520.7 X 1173.1
		208-230-1-60	230-1-60	208/230-3-60	460-3-60																	

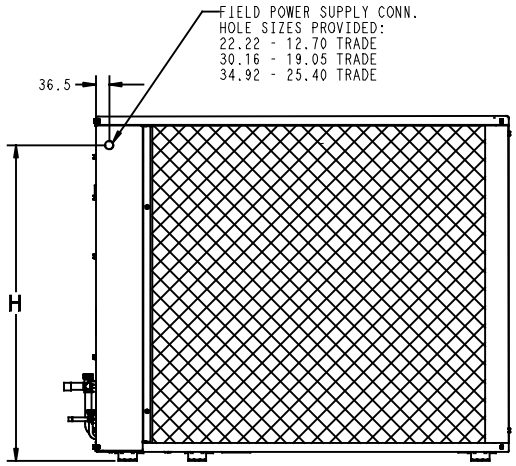
X = YES
O = NO

1. 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.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 12.8°C, MAX. 51.7°C.
3. SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.
4. CENTER OF GRAVITY
5. 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

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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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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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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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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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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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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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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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

See notes on page 26

COMBINATION RATINGS (CONT.)

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		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR018 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
600	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
	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
675	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
	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
*CNPV*1814A**	1.00	1.00	
40QAC(Q)024–3	1.06	1.01	
CAP**1814A**	1.00	1.01	
CAP**2414A**	1.02	1.02	
CAP**2417A**	1.02	1.02	
CNPF*2418A**	1.02	1.02	
CNPH*2417A**	1.02	1.02	
CNPV*2414A**	1.02	1.02	
CNPV*2417A**	1.02	1.02	
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
CNPH*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
CNPH*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
CNPH*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
CNPH*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
CNPH*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
CNPH*2417A**	1.02	0.98	58MV(B,C)080–14

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CSPH*2412A**	1.02	0.98	58MV(B,C)080–14
CNPH*2417A**	1.02	0.98	58MVB040–14
CSPH*2412A**	1.02	0.98	58MVB040–14
CAP**1814A**	0.10	0.10	58PH*045–08
CAP**2414A**	1.02	0.94	58PH*045–08
CNPH*2417A**	1.02	0.94	58PH*045–08
CNPV*1814A**	1.00	0.96	58PH*045–08
CNPV*2414A**	1.02	0.94	58PH*045–08
CSPH*2412A**	1.02	0.94	58PH*045–08

See notes on pg. 34

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR024 Outdoor Section With CNPV*2414A** Indoor Section																			
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
800	72(22.2)	28.62	14.25	1.73	27.14	13.73	1.93	25.53	13.18	2.14	23.83	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	21.51	2.12	20.48	20.48	2.35	19.20	19.20	2.60	17.75	17.75	2.86
	57 (13.9)	23.64	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

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

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*2417A**	1.00	0.96	58CV(A,X)090–16
CNPV*3017A**	1.01	0.96	58CV(A,X)090–16
CSPH*2412A**	1.00	0.96	58CV(A,X)090–16
CSPH*3012A**	1.01	0.96	58CV(A,X)090–16
CNPH*2417A**	1.00	0.96	58CV(A,X)110–20
CNPH*3017A**	1.01	0.96	58CV(A,X)110–20
CSPH*2412A**	1.00	0.96	58CV(A,X)110–20
CSPH*3012A**	1.01	0.96	58CV(A,X)110–20
CNPH*2417A**	1.00	0.96	58CV(A,X)135–22
CNPH*3017A**	1.01	0.96	58CV(A,X)135–22
CSPH*2412A**	1.00	0.96	58CV(A,X)135–22
CSPH*3012A**	1.01	0.96	58CV(A,X)135–22
CNPH*2417A**	1.00	0.96	58CV(A,X)155–22
CNPH*3017A**	1.01	0.96	58CV(A,X)155–22
CSPH*2412A**	1.00	0.96	58CV(A,X)155–22
CSPH*3012A**	1.01	0.96	58CV(A,X)155–22
CAP**2417A**	1.00	0.92	58MEB040–12
CAP**3017A**	1.01	0.92	58MEB040–12
CNPH*2417A**	1.00	0.92	58MEB040–12
CNPH*3017A**	1.01	0.92	58MEB040–12
CNPV*2417A**	1.00	0.92	58MEB040–12
CNPV*3017A**	1.01	0.92	58MEB040–12
CSPH*2412A**	1.00	0.92	58MEB040–12
CSPH*3012A**	1.01	0.92	58MEB040–12
CAP**2417A**	1.00	0.92	58MEB060–12
CAP**3017A**	1.01	0.92	58MEB060–12
CNPH*2417A**	1.00	0.92	58MEB060–12
CNPH*3017A**	1.01	0.92	58MEB060–12
CNPV*2417A**	1.00	0.92	58MEB060–12
CNPV*3017A**	1.01	0.92	58MEB060–12
CSPH*2412A**	1.00	0.92	58MEB060–12
CSPH*3012A**	1.01	0.92	58MEB060–12
CAP**2417A**	1.00	0.92	58MEB080–12
CAP**3017A**	1.01	0.92	58MEB080–12
CNPH*2417A**	1.00	0.92	58MEB080–12
CNPH*3017A**	1.01	0.92	58MEB080–12
CNPV*2417A**	1.00	0.92	58MEB080–12
CNPV*3017A**	1.01	0.92	58MEB080–12
CSPH*2412A**	1.00	0.92	58MEB080–12
CSPH*3012A**	1.01	0.92	58MEB080–12
CAP**2417A**	1.00	0.96	58MV(B,C)060–14
CAP**3017A**	1.01	0.96	58MV(B,C)060–14

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*2417A**	1.00	0.96	58MV(B,C)060–14
CNPH*3017A**	1.01	0.96	58MV(B,C)060–14
CNPV*2417A**	1.00	0.96	58MV(B,C)060–14
CNPV*3017A**	1.01	0.96	58MV(B,C)060–14
CSPH*2412A**	1.00	0.96	58MV(B,C)060–14
CSPH*3012A**	1.01	0.96	58MV(B,C)060–14
CNPH*2417A**	1.00	0.96	58MV(B,C)080–14
CNPH*3017A**	1.00	0.96	58MV(B,C)080–14
CSPH*2412A**	1.00	0.96	58MV(B,C)080–14
CSPH*3012A**	1.01	0.96	58MV(B,C)080–14
CNPH*2417A**	0.99	0.95	58MV(B,C)080–20
CNPH*3017A**	1.00	0.96	58MV(B,C)080–20
CSPH*2412A**	1.00	0.96	58MV(B,C)080–20
CSPH*3012A**	1.00	0.96	58MV(B,C)080–20
CNPH*2417A**	1.00	0.96	58MV(B,C)100–20
CNPH*3017A**	1.01	0.96	58MV(B,C)100–20
CSPH*2412A**	1.00	0.96	58MV(B,C)100–20
CSPH*3012A**	1.01	0.96	58MV(B,C)100–20
CNPH*2417A**	1.00	0.96	58MV(B,C)120–20
CNPH*3017A**	1.01	0.96	58MV(B,C)120–20
CSPH*2412A**	1.00	0.96	58MV(B,C)120–20
CSPH*3012A**	1.01	0.96	58MV(B,C)120–20
CNPH*2417A**	1.00	0.96	58MVB040–14
CNPH*3017A**	1.01	0.96	58MVB040–14
CSPH*2412A**	1.00	0.96	58MVB040–14
CSPH*3012A**	1.01	0.96	58MVB040–14
CAP**2414A**	1.00	0.96	58PH*045–08
CAP**3014A**	1.01	0.92	58PH*045–08
CNPH*2417A**	1.00	0.96	58PH*045–08
CNPH*3017A**	1.01	0.92	58PH*045–08
CNPV*2414A**	1.00	0.96	58PH*045–08
CNPV*3014A**	1.01	0.96	58PH*045–08
CSPH*2412A**	1.00	0.96	58PH*045–08
CSPH*3012A**	1.01	0.92	58PH*045–08

See notes on pg. 34

DETAILED COOLING CAPACITIES* (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		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	14.43	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
*CNPV*3014A**	1.00	1.00	
CAP**3014A**	1.00	1.00	
CAP**3017A**	1.00	1.00	
CAP**3614A**	1.02	1.02	
CAP**3617A**	1.02	1.02	
CAP**3621A**	1.02	1.02	
CNPF*3618A**	1.02	1.02	
CNPH*3017A**	1.00	1.00	
CNPH*3617A**	1.02	1.02	
CNPV*3017A**	1.00	1.00	
CNPV*3617A**	1.02	1.02	
CNPV*3621A**	1.02	1.02	
CSPH*3012A**	1.00	1.00	
CSPH*3612A**	1.02	1.02	
40QAC(Q)036–3	1.04	1.06	
FE4AN(B,F)003	1.02	0.98	
FE4AN(B,F)005	1.04	0.91	
FE4ANF002	1.02	0.98	
FE5ANB004	1.00	0.88	
FF1ENP030	1.00	1.00	
FF1ENP036	1.02	1.02	
FV4BN(B,F)003	1.03	0.98	
FV4BN(B,F)005	1.04	0.99	
FV4BNF002	1.02	0.98	
FX4CN(B,F)036	1.02	0.98	
FX4CNF030	1.00	0.96	
FY4ANF030	1.00	1.00	
FY4ANF036	1.02	1.02	
CAP**3014A**	1.00	0.96	58CV(A,X)070–12
CAP**3614A**	1.02	0.98	58CV(A,X)070–12
CNPH*3017A**	1.00	0.96	58CV(A,X)070–12
CNPH*3617A**	1.02	0.98	58CV(A,X)070–12
CNPV*3014A**	1.02	0.98	58CV(A,X)070–12
CSPH*3012A**	1.00	0.96	58CV(A,X)070–12
CSPH*3612A**	1.02	0.98	58CV(A,X)070–12
CAP**3017A**	1.00	0.96	58CV(A,X)090–16
CAP**3617A**	1.02	0.98	58CV(A,X)090–16
CNPH*3017A**	1.00	0.96	58CV(A,X)090–16
CNPH*3617A**	1.02	0.98	58CV(A,X)090–16
CNPV*3017A**	1.00	0.96	58CV(A,X)090–16
CNPV*3617A**	1.02	0.98	58CV(A,X)090–16
CSPH*3012A**	1.00	0.96	58CV(A,X)090–16

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

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*3617A**	1.02	0.94	58MEB080–16
CNPV*3017A**	1.00	0.92	58MEB080–16
CNPV*3617A**	1.02	0.94	58MEB080–16
CSPH*3012A**	1.00	0.92	58MEB080–16
CSPH*3612A**	1.02	0.94	58MEB080–16
CAP**3017A**	1.00	0.96	58MV(B,C)060–14
CAP**3617A**	1.02	0.98	58MV(B,C)060–14
CNPH*3017A**	1.00	0.96	58MV(B,C)060–14
CNPH*3617A**	1.02	0.98	58MV(B,C)060–14
CNPV*3017A**	1.00	0.96	58MV(B,C)060–14
CNPV*3617A**	1.02	0.98	58MV(B,C)060–14
CSPH*3012A**	1.00	0.96	58MV(B,C)060–14
CSPH*3612A**	1.02	0.98	58MV(B,C)060–14
CAP**3621A**	1.02	0.98	58MV(B,C)080–14
CNPH*3017A**	1.00	0.96	58MV(B,C)080–14
CNPH*3617A**	1.02	0.98	58MV(B,C)080–14
CNPV*3621A**	1.02	0.98	58MV(B,C)080–14
CSPH*3012A**	1.00	0.96	58MV(B,C)080–14
CSPH*3612A**	1.02	0.98	58MV(B,C)080–14
CAP**3621A**	1.02	0.98	58MV(B,C)080–20
CNPH*3017A**	1.00	0.96	58MV(B,C)080–20
CNPH*3617A**	1.02	0.98	58MV(B,C)080–20
CNPV*3621A**	1.02	0.98	58MV(B,C)080–20
CSPH*3012A**	1.00	0.96	58MV(B,C)080–20
CSPH*3612A**	1.02	0.98	58MV(B,C)080–20
CAP**3621A**	1.02	0.98	58MV(B,C)100–20
CNPH*3017A**	1.00	0.96	58MV(B,C)100–20
CNPH*3617A**	1.02	0.98	58MV(B,C)100–20
CNPV*3621A**	1.02	0.98	58MV(B,C)100–20
CSPH*3012A**	1.00	0.96	58MV(B,C)100–20
CSPH*3612A**	1.02	0.98	58MV(B,C)100–20
CNPH*3017A**	1.00	0.96	58MV(B,C)120–20
CNPH*3617A**	1.02	0.98	58MV(B,C)120–20
CSPH*3012A**	1.00	0.96	58MV(B,C)120–20
CSPH*3612A**	1.02	0.98	58MV(B,C)120–20
CNPH*3617A**	1.02	0.98	58MVB040–14
CSPH*3012A**	1.00	0.96	58MVB040–14
CSPH*3612A**	1.02	0.98	58MVB040–14
CAP**3017A**	1.00	0.96	58PH*070–16
CAP**3617A**	1.02	0.94	58PH*070–16
CNPH*3017A**	1.00	0.96	58PH*070–16
CNPH*3617A**	1.02	0.94	58PH*070–16

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
CNPH*3017A**	1.00	0.96	58PH*090–16
CNPH*3617A**	1.02	0.94	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)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR036 Outdoor Section With CNPV*4221A** Indoor Section																			
1050	72 (22.2)	39.85	18.85	2.42	38.03	18.23	2.68	36.08	17.58	2.98	33.99	16.89	3.30	31.72	16.14	3.65	29.20	15.33	4.03
	67(19.4)	36.33	23.19	2.42	34.67	22.57	2.68	32.91	21.91	2.98	31.02	21.23	3.30	28.99	20.49	3.65	26.73	19.69	4.04
	62 (16.7)	33.23	27.51	2.42	31.75	26.88	2.68	30.20	26.20	2.98	28.60	28.45	3.30	27.06	27.06	3.65	25.34	25.34	4.03
	57 (13.9)	32.46	32.46	2.42	31.26	31.26	2.68	29.98	29.98	2.98	28.59	28.59	3.30	27.06	27.06	3.65	25.34	25.34	4.03
1200	72(22.2)	40.51	19.77	2.48	38.61	19.14	2.74	36.57	18.47	3.04	34.40	17.77	3.36	32.04	17.01	3.71	29.42	16.18	4.09
	67(19.4)	36.97	24.67	2.48	35.23	24.04	2.74	33.40	23.38	3.04	31.45	22.68	3.36	29.33	21.93	3.71	27.00	21.10	4.09
	62 (16.7)	34.01	29.52	2.48	32.53	32.23	2.74	31.11	31.11	3.04	29.61	29.61	3.36	27.97	27.97	3.71	26.12	26.12	4.09
	57 (13.9)	33.78	33.78	2.48	32.49	32.49	2.74	31.11	31.11	3.04	29.62	29.62	3.36	27.97	27.97	3.71	26.12	26.12	4.09
1350	72 (22.2)	40.99	20.64	2.54	39.02	19.99	2.80	36.91	19.31	3.09	34.67	18.60	3.42	32.24	17.83	3.77	29.54	16.99	4.15
	67 (19.4)	37.43	26.09	2.54	35.65	25.45	2.80	33.76	24.78	3.10	31.75	24.06	3.42	29.58	23.29	3.77	27.20	22.42	4.15
	62 (16.7)	34.86	34.86	2.54	33.49	33.49	2.80	32.02	32.02	3.10	30.44	30.44	3.42	28.70	28.70	3.77	26.73	26.73	4.15
	57(13.9)	34.86	34.86	2.54	33.49	33.49	2.80	32.03	32.03	3.10	30.44	30.44	3.42	28.70	28.70	3.77	26.73	26.73	4.15

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CNPV*4221A**	1.00	1.00	
40QAC(Q)036–3	0.96	0.92	
CAP**3614A**	0.98	0.98	
CAP**3617A**	0.99	0.99	
CAP**3621A**	0.99	0.99	
CAP**4221A**	1.00	1.00	
CAP**4224A**	1.00	1.00	
CNPF*3618A**	0.99	0.99	
CNPH*3617A**	0.99	0.99	
CNPH*4221A**	1.00	1.00	
CNPV*3617A**	0.99	0.99	
CNPV*3621A**	0.99	0.99	
CNPV*4217A**	0.99	0.99	
CSPH*3612A**	0.99	0.99	
CSPH*4212A**	1.00	1.00	
FE4AN(B,F)003	0.99	0.95	
FE4AN(B,F)005	1.00	0.88	
FE4ANB006	1.00	0.88	
FE4ANF002	0.99	0.95	
FE5ANB004	1.04	0.91	
FF1ENP036	0.99	0.99	
FV4BN(B,F)003	0.99	0.91	
FV4BN(B,F)005	1.02	0.93	
FV4BNB006	1.00	0.88	
FV4BNF002	0.99	0.95	
FX4CN(B,F)036	0.99	0.95	
FX4CN(B,F)042	1.00	0.96	
FY4ANF036	0.99	0.99	
FY4ANF042	1.00	1.00	
CAP**3614A**	0.98	0.93	58CV(A,X)070–12
CNPH*3617A**	0.99	0.95	58CV(A,X)070–12
CNPH*4221A**	1.00	0.96	58CV(A,X)070–12
CSPH*3612A**	0.99	0.95	58CV(A,X)070–12
CSPH*4212A**	1.00	0.96	58CV(A,X)070–12
CAP**3617A**	0.99	0.95	58CV(A,X)090–16
CNPH*3617A**	0.99	0.95	58CV(A,X)090–16
CNPH*4221A**	1.00	0.96	58CV(A,X)090–16
CNPV*3617A**	0.99	0.95	58CV(A,X)090–16
CNPV*4217A**	1.00	0.92	58CV(A,X)090–16
CSPH*3612A**	0.99	0.95	58CV(A,X)090–16
CSPH*4212A**	1.00	0.96	58CV(A,X)090–16
CAP**3621A**	0.99	0.95	58CV(A,X)110–20

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**4221A**	1.00	0.96	58CV(A,X)110–20
CNPH*3617A**	0.99	0.95	58CV(A,X)110–20
CNPH*4221A**	1.00	0.96	58CV(A,X)110–20
CNPV*3621A**	0.99	0.95	58CV(A,X)110–20
CNPV*4221A**	1.00	0.96	58CV(A,X)110–20
CSPH*3612A**	0.99	0.95	58CV(A,X)110–20
CSPH*4212A**	1.00	0.96	58CV(A,X)110–20
CAP**4224A**	1.00	0.96	58CV(A,X)135–22
CNPH*3617A**	0.99	0.95	58CV(A,X)135–22
CNPH*4221A**	1.00	0.96	58CV(A,X)135–22
CSPH*3612A**	0.99	0.95	58CV(A,X)135–22
CSPH*4212A**	1.00	0.96	58CV(A,X)135–22
CAP**4224A**	1.00	0.96	58CV(A,X)155–22
CNPH*3617A**	0.99	0.95	58CV(A,X)155–22
CNPH*4221A**	1.00	0.96	58CV(A,X)155–22
CSPH*3612A**	0.99	0.95	58CV(A,X)155–22
CSPH*4212A**	1.00	0.96	58CV(A,X)155–22
CAP**3617A**	0.99	0.91	58MEB040–12
CNPH*3617A**	0.99	0.91	58MEB040–12
CNPH*4221A**	1.00	0.92	58MEB040–12
CNPV*3617A**	0.10	0.09	58MEB040–12
CNPV*4217A**	1.00	0.92	58MEB040–12
CSPH*3612A**	0.99	0.91	58MEB040–12
CSPH*4212A**	1.00	0.92	58MEB040–12
CAP**3617A**	0.99	0.91	58MEB060–12
CNPH*3617A**	0.99	0.91	58MEB060–12
CNPH*4221A**	1.02	0.93	58MEB060–12
CNPV*3617A**	0.99	0.91	58MEB060–12
CNPV*4217A**	1.00	0.92	58MEB060–12
CSPH*3612A**	0.99	0.91	58MEB060–12
CSPH*4212A**	1.00	0.92	58MEB060–12
CAP**3617A**	0.99	0.91	58MEB080–12
CNPH*3617A**	0.99	0.91	58MEB080–12
CNPH*4221A**	1.00	0.92	58MEB080–12
CNPV*3617A**	0.99	0.91	58MEB080–12
CNPV*4217A**	1.00	0.92	58MEB080–12
CSPH*3612A**	0.99	0.91	58MEB080–12
CSPH*4212A**	1.00	0.92	58MEB080–12
CAP**3617A**	0.99	0.91	58MEB080–16
CNPH*3617A**	0.99	0.91	58MEB080–16
CNPH*4221A**	1.00	0.92	58MEB080–16
CNPV*3617A**	0.99	0.91	58MEB080–16

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*4217A**	1.00	0.92	58MEB080–16
CSPH*3612A**	0.99	0.91	58MEB080–16
CSPH*4212A**	1.00	0.92	58MEB080–16
CAP**3621A**	0.99	0.91	58MEB100–20
CAP**4221A**	1.00	0.92	58MEB100–20
CNPH*3617A**	0.99	0.91	58MEB100–20
CNPH*4221A**	1.00	0.92	58MEB100–20
CNPV*3621A**	0.99	0.91	58MEB100–20
CNPV*4221A**	1.00	0.92	58MEB100–20
CSPH*3612A**	0.99	0.91	58MEB100–20
CSPH*4212A**	1.00	0.92	58MEB100–20
CAP**3617A**	0.99	0.95	58MV(B,C)060–14
CNPH*3617A**	0.99	0.95	58MV(B,C)060–14
CNPH*4221A**	1.00	0.96	58MV(B,C)060–14
CNPV*3617A**	0.99	0.95	58MV(B,C)060–14
CNPV*4217A**	1.00	0.92	58MV(B,C)060–14
CSPH*3612A**	0.99	0.95	58MV(B,C)060–14
CSPH*4212A**	1.00	0.96	58MV(B,C)060–14
CAP**3621A**	0.99	0.95	58MV(B,C)080–14
CAP**4221A**	1.00	0.96	58MV(B,C)080–14
CNPH*3617A**	0.99	0.95	58MV(B,C)080–14
CNPH*4221A**	1.00	0.96	58MV(B,C)080–14
CNPV*3621A**	0.99	0.95	58MV(B,C)080–14
CNPV*4221A**	1.00	0.96	58MV(B,C)080–14
CSPH*3612A**	0.99	0.95	58MV(B,C)080–14
CSPH*4212A**	1.00	0.96	58MV(B,C)080–14
CAP**3621A**	0.99	0.95	58MV(B,C)080–20
CAP**4221A**	1.00	0.96	58MV(B,C)080–20
CNPH*3617A**	0.99	0.95	58MV(B,C)080–20
CNPH*4221A**	1.00	0.96	58MV(B,C)080–20
CNPV*3621A**	0.99	0.95	58MV(B,C)080–20
CNPV*4221A**	1.00	0.96	58MV(B,C)080–20
CSPH*3612A**	0.99	0.95	58MV(B,C)080–20
CSPH*4212A**	1.00	0.96	58MV(B,C)080–20
CAP**3621A**	0.99	0.95	58MV(B,C)100–20
CAP**4221A**	1.00	0.96	58MV(B,C)100–20
CNPH*3617A**	0.99	0.95	58MV(B,C)100–20
CNPH*4221A**	1.00	0.96	58MV(B,C)100–20
CNPV*3621A**	0.99	0.95	58MV(B,C)100–20
CNPV*4221A**	1.00	0.96	58MV(B,C)100–20
CSPH*3612A**	0.99	0.95	58MV(B,C)100–20
CSPH*4212A**	1.00	0.96	58MV(B,C)100–20

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	58MVB040–14
CNPH*3617A**	0.99	0.95	58MVB040–14
CNPH*4221A**	1.00	0.96	58MVB040–14
CSPH*3612A**	0.99	0.95	58MVB040–14
CSPH*4212A**	1.00	0.96	58MVB040–14
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)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR048 Outdoor Section With CNPV*4821A** Indoor Section																			
1460	72 (22.2)	57.22	27.09	3.31	54.16	26.03	3.74	50.83	24.90	4.20	47.23	23.69	4.69	43.24	22.38	5.21	38.87	20.99	5.76
	67(19.4)	52.21	33.21	3.33	49.49	32.17	3.76	46.57	31.08	4.22	43.40	29.91	4.71	39.95	28.66	5.23	36.03	27.26	5.77
	62 (16.7)	47.74	39.31	3.35	45.37	38.29	3.78	42.88	37.19	4.23	40.25	39.91	4.72	37.64	37.64	5.23	34.63	34.63	5.78
	57 (13.9)	46.44	46.44	3.36	44.53	44.53	3.78	42.48	42.48	4.23	40.21	40.21	4.72	37.65	37.65	5.23	34.63	34.63	5.78
1650	72(22.2)	58.13	28.26	3.37	54.91	27.17	3.81	51.42	26.01	4.27	47.67	24.78	4.76	43.52	23.45	5.28	39.26	22.10	5.84
	67(19.4)	53.07	35.09	3.40	50.21	34.03	3.83	47.16	32.91	4.29	43.87	31.73	4.78	40.28	30.44	5.30	36.23	28.99	5.85
	62 (16.7)	48.75	41.89	3.42	46.32	40.79	3.85	43.85	43.85	4.30	41.42	41.42	4.79	38.64	38.64	5.31	35.37	35.37	5.85
	57 (13.9)	48.17	48.17	3.43	46.11	46.11	3.85	43.88	43.88	4.30	41.42	41.42	4.79	38.64	38.64	5.31	35.37	35.37	5.85
1850	72 (22.2)	58.83	29.41	3.45	55.48	28.31	3.88	51.86	27.12	4.35	47.97	25.87	4.84	43.73	24.52	5.36	39.89	23.26	5.92
	67 (19.4)	53.74	36.97	3.48	50.78	35.90	3.91	47.62	34.76	4.37	44.22	33.55	4.86	40.51	32.22	5.38	36.39	30.70	5.93
	62 (16.7)	49.74	44.35	3.50	47.48	47.48	3.92	45.09	45.09	4.38	42.44	42.44	4.87	39.46	39.46	5.38	35.96	35.96	5.93
	57(13.9)	49.69	49.69	3.50	47.49	47.49	3.92	45.09	45.09	4.38	42.45	42.45	4.87	39.46	39.46	5.38	35.97	35.97	5.93

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
*CNPV*4821A**	1.00	1.00	
40QAC048–3	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	
CNPF*4818A**	0.98	0.98	
CNPH*4821A**	1.00	1.00	
CNPH*6024A**	1.01	1.01	
CNPV*4824A**	1.00	1.00	
CNPV*6024A**	1.01	1.01	
CSPH*4812A**	1.00	1.00	
CSPH*6012A**	1.01	1.01	
FE4AN(B,F)005	1.00	0.96	
FE4ANB006	1.01	0.97	
FV4BN(B,F)005	1.00	0.96	
FV4BNB006	1.01	0.97	
FX4CN(B,F)048	1.00	0.96	
FX4CN(B,F)060	1.01	0.97	
FY4ANB060	1.01	1.01	
FY4ANF048	1.00	1.00	
CAP**4817A**	0.99	0.95	58CV(A,X)090–16
CNPH*4821A**	0.99	0.95	58CV(A,X)090–16
CNPH*6024A**	1.00	0.96	58CV(A,X)090–16
CSPH*4812A**	0.99	0.95	58CV(A,X)090–16
CSPH*6012A**	1.00	0.96	58CV(A,X)090–16
CAP**4821A**	0.99	0.95	58CV(A,X)110–20
CAP**6021A**	1.00	0.96	58CV(A,X)110–20
CNPH*4821A**	0.99	0.95	58CV(A,X)110–20
CNPH*6024A**	1.00	0.96	58CV(A,X)110–20
CNPV*4821A**	0.99	0.95	58CV(A,X)110–20
CSPH*4812A**	0.99	0.95	58CV(A,X)110–20
CSPH*6012A**	1.00	0.96	58CV(A,X)110–20
CAP**4824A**	0.99	0.95	58CV(A,X)135–22
CAP**6024A**	1.00	0.96	58CV(A,X)135–22
CNPH*4821A**	0.99	0.95	58CV(A,X)135–22
CNPH*6024A**	1.00	0.96	58CV(A,X)135–22
CNPV*4824A**	0.99	0.95	58CV(A,X)135–22
CNPV*6024A**	1.00	0.96	58CV(A,X)135–22
CSPH*4812A**	0.99	0.95	58CV(A,X)135–22
CSPH*6012A**	1.00	0.96	58CV(A,X)135–22

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**4824A**	0.99	0.95	58CV(A,X)155–22
CAP**6024A**	1.00	0.96	58CV(A,X)155–22
CNPH*4821A**	0.99	0.95	58CV(A,X)155–22
CNPH*6024A**	1.00	0.96	58CV(A,X)155–22
CNPV*4824A**	0.99	0.95	58CV(A,X)155–22
CNPV*6024A**	1.00	0.96	58CV(A,X)155–22
CSPH*4812A**	0.99	0.95	58CV(A,X)155–22
CSPH*6012A**	1.00	0.96	58CV(A,X)155–22
CAP**4817A**	0.99	0.95	58MEB080–16
CNPH*4821A**	0.99	0.95	58MEB080–16
CNPH*6024A**	1.00	0.96	58MEB080–16
CSPH*4812A**	0.99	0.95	58MEB080–16
CSPH*6012A**	1.00	0.92	58MEB080–16
CAP**4821A**	0.99	0.95	58MEB100–20
CAP**6021A**	1.00	0.92	58MEB100–20
CNPH*4821A**	0.99	0.95	58MEB100–20
CNPH*6024A**	1.00	0.92	58MEB100–20
CNPV*4821A**	0.99	0.95	58MEB100–20
CSPH*4812A**	0.99	0.95	58MEB100–20
CSPH*6012A**	1.00	0.92	58MEB100–20
CAP**4824A**	0.99	0.95	58MEB120–20
CAP**6024A**	1.00	0.92	58MEB120–20
CNPH*4821A**	0.99	0.95	58MEB120–20
CNPH*6024A**	1.00	0.92	58MEB120–20
CNPV*4824A**	0.99	0.95	58MEB120–20
CNPV*6024A**	1.00	0.92	58MEB120–20
CSPH*4812A**	0.99	0.95	58MEB120–20
CSPH*6012A**	1.00	0.92	58MEB120–20
CAP**4821A**	0.98	0.94	58MV(B,C)080–20
CAP**6021A**	1.00	0.96	58MV(B,C)080–20
CNPH*4821A**	0.99	0.95	58MV(B,C)080–20
CNPH*6024A**	1.00	0.96	58MV(B,C)080–20
CNPV*4821A**	0.99	0.95	58MV(B,C)080–20
CSPH*4812A**	0.99	0.95	58MV(B,C)080–20
CSPH*6012A**	1.00	0.96	58MV(B,C)080–20
CAP**4821A**	0.99	0.95	58MV(B,C)100–20
CAP**6021A**	1.00	0.96	58MV(B,C)100–20
CNPH*4821A**	0.99	0.95	58MV(B,C)100–20
CNPH*6024A**	1.00	0.96	58MV(B,C)100–20
CNPV*4821A**	0.99	0.95	58MV(B,C)100–20
CSPH*4812A**	0.99	0.95	58MV(B,C)100–20
CSPH*6012A**	1.00	0.96	58MV(B,C)100–20

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CAP**4824A**	0.99	0.95	58MV(B,C)120–20
CAP**6024A**	1.00	0.96	58MV(B,C)120–20
CNPH*4821A**	0.99	0.95	58MV(B,C)120–20
CNPH*6024A**	1.00	0.96	58MV(B,C)120–20
CNPV*4824A**	0.99	0.95	58MV(B,C)120–20
CNPV*6024A**	1.00	0.96	58MV(B,C)120–20
CSPH*4812A**	0.99	0.95	58MV(B,C)120–20
CSPH*6012A**	1.00	0.96	58MV(B,C)120–20
CAP**4817A**	0.99	0.95	58PH*070–16
CAP**4821A**	0.99	0.95	58PH*090–16
CAP**6021A**	1.00	0.92	58PH*090–16
CNPH*4821A**	0.99	0.95	58PH*090–16
CNPH*6024A**	1.00	0.92	58PH*090–16
CNPV*4821A**	0.99	0.95	58PH*090–16
CSPH*4812A**	0.99	0.95	58PH*090–16
CSPH*6012A**	1.00	0.92	58PH*090–16
CAP**4821A**	0.99	0.95	58PH*110–20
CAP**6021A**	1.00	0.92	58PH*110–20
CNPH*4821A**	0.99	0.95	58PH*110–20
CNPH*6024A**	1.00	0.92	58PH*110–20
CNPV*4821A**	0.99	0.95	58PH*110–20
CSPH*4812A**	0.99	0.95	58PH*110–20
CSPH*6012A**	1.00	0.92	58PH*110–20
CAP**4824A**	0.99	0.95	58PH*135–20
CAP**6024A**	1.00	0.92	58PH*135–20
CNPH*4821A**	0.99	0.95	58PH*135–20
CNPH*6024A**	1.00	0.92	58PH*135–20
CNPV*4824A**	0.99	0.95	58PH*135–20
CNPV*6024A**	1.00	0.92	58PH*135–20
CSPH*4812A**	0.99	0.95	58PH*135–20
CSPH*6012A**	1.00	0.92	58PH*135–20

See notes on pg. 34

DETAILED COOLING CAPACITIES** (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F (°C)	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**	Capacity MBtuh†		Total System KW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38HDR060 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	45.63	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	45.63	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	5.74	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	CAPACITY	POWER	FURNACE MODEL
*CNPV*6024A**	1.00	1.00	
40QAC060–3	0.98	0.98	
CAP**6021A**	1.00	1.00	
CAP**6024A**	1.00	1.00	
CNPH*6024A**	1.00	1.00	
CSPH*6012A**	1.00	1.00	
FE4ANB006	1.01	1.01	
FV4BNB006	1.01	1.01	
FX4CN(B,F)060	1.01	1.01	
FY4ANB060	1.00	1.00	
CAP**6021A**	0.98	0.98	58CV(A,X)110–20
CNPH*6024A**	0.98	0.98	58CV(A,X)110–20
CSPH*6012A**	0.98	0.98	58CV(A,X)110–20
CAP**6024A**	0.98	0.98	58CV(A,X)135–22

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPH*6024A**	0.98	0.98	58CV(A,X)135–22
CNPV*6024A**	0.98	0.98	58CV(A,X)135–22
CSPH*6012A**	0.98	0.98	58CV(A,X)135–22
CAP**6024A**	0.98	0.98	58CV(A,X)155–22
CNPH*6024A**	0.98	0.98	58CV(A,X)155–22
CNPV*6024A**	0.98	0.98	58CV(A,X)155–22
CSPH*6012A**	0.98	0.98	58CV(A,X)155–22
CNPH*6024A**	0.98	0.98	58MEB080–16
CSPH*6012A**	0.98	0.98	58MEB080–16
CAP**6021A**	0.98	0.98	58MEB100–20
CNPH*6024A**	0.98	0.98	58MEB100–20
CSPH*6012A**	0.98	0.98	58MEB100–20
CAP**6024A**	0.98	0.98	58MEB120–20
CNPH*6024A**	0.98	0.98	58MEB120–20

COOLING INDOOR MODEL	CAPACITY	POWER	FURNACE MODEL
CNPV*6024A**	0.98	0.98	58MEB120–20
CSPH*6012A**	0.98	0.98	58MEB120–20
CSPH*6012A**	0.98	0.98	58MV(B,C)120–20
CAP**6021A**	0.98	0.98	58PH*090–16
CNPH*6024A**	0.98	0.98	58PH*090–16
CSPH*6012A**	0.98	0.98	58PH*090–16
CAP**6021A**	0.98	0.98	58PH*110–20
CNPH*6024A**	0.98	0.98	58PH*110–20
CSPH*6012A**	0.98	0.98	58PH*110–20
CAP**6024A**	0.98	0.98	58PH*135–20
CNPH*6024A**	0.98	0.98	58PH*135–20
CNPV*6024A**	0.98	0.98	58PH*135–20
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 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (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

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)

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.
- — 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.

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.

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