

RES SOUND DATA

Sound Data: Actual sound levels in living spaces will vary and be dependent on installation conditions including unit location, duct type, duct size, and duct run length. Sones calculated using HVI 915 method from Lw values.

Testing Method: Testing conducted per the following standards: AHRI 230 and 260, ISO 9614-1 and 9614-2. Testing conducted internally at RenewAire.

SL75/H

Source	CFM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)	Sones
		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz			
Case Radiated	51	57	54	46	37	31	27	18	18	59	43	0.2
	118	59	58	57	52	40	35	25	29	63	52	1.5
	155	60	60	59	54	44	40	28	32	65	55	2.1
Room Inlet (SA)*	37	73	62	52	46	38	29	27	28	73	51	1.7
	108	76	65	55	48	39	31	28	29	77	54	2.5
	145	78	67	56	49	40	31	29	30	78	56	2.9
Room Outlet (RA)*	36	60	57	53	49	36	30	27	21	63	49	0.8
	105	64	56	51	48	34	27	24	19	65	48	0.9
	147	68	63	54	47	39	29	28	34	69	51	1.6
Room Inlet (SA)**	37	57	47	42	35	31	25	18	20	57	39	0.0
	110	60	56	49	44	33	25	23	16	61	46	0.4
	150	65	59	56	56	45	40	29	32	67	55	1.9
Room Outlet (RA)**	39	58	50	46	31	31	23	19	19	59	41	0.1
	108	60	53	51	43	31	27	23	15	61	45	0.4
	148	61	58	53	45	34	29	25	18	63	48	0.7

Notes: *Hard ducted 1m to measurement area.

**Insulated flex duct 5' to measurement area.

AERI™ MT

Source	CFM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)	Sones
		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz			
Case Radiated	35	42	31	31	27	27	13	3	6	43	30	0.0
	150	52	45	50	46	41	34	22	21	55	47	0.8
	255	48	46	50	54	48	41	29	31	57	53	1.6
Room Inlet (SA)*	35	53	51	46	41	38	33	23	25	56	44	0.4
	150	54	54	53	35	30	18	16	8	58	46	0.5
	255	72	62	54	44	42	33	33	35	72	52	1.9
Room Outlet (RA)*	35	41	33	29	26	20	11	0	7	42	27	0.0
	150	51	37	45	42	36	28	15	12	53	42	0.3
	255	43	44	49	52	44	35	22	20	55	50	1.1
Room Inlet (SA)**	35	39	37	30	24	20	7	2	5	42	27	0.0
	150	63	54	49	43	35	27	16	13	64	45	0.5
	255	72	63	57	51	42	34	21	21	73	54	1.9
Room Outlet (RA)**	35	42	38	28	22	19	7	3	4	44	26	0.0
	150	48	38	43	39	34	27	14	12	50	40	0.1
	255	52	52	46	43	41	34	23	25	56	45	0.5

Notes: *Hard ducted 1m to measurement area.

**Insulated flex duct 5' to measurement area.

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Testing Method: Testing conducted per the following standards: AHRI 230 and 260, ISO 9614-1 and 9614-2. Testing conducted internally at RenewAire.

EV PREMIUM+ S/SH, EV PREMIUM S/SH

Source	CFM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)	Sones
		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz			
Case Radiated	39	62	49	38	47	37	27	20	18	63	46	0.6
	125	72	58	55	56	44	36	26	20	72	55	2.2
	172	75	63	60	53	45	30	28	28	76	56	2.6
Room Inlet (SA)*	38	69	67	68	68	69	66	62	58	76	73	3.0
	132	78	76	76	70	69	64	64	65	82	75	4.0
	180	80	78	77	71	71	68	67	65	84	76	4.8
Room Outlet (RA)*	38	56	49	49	50	51	49	44	38	59	55	0.1
	126	59	57	55	55	55	55	54	55	65	62	1.2
	181	57	57	59	60	60	58	56	56	67	65	1.9
Room Inlet (SA)**	40	51	48	40	35	36	37	35	33	53	43	0.0
	127	55	54	51	50	47	47	46	46	60	54	0.1
	173	57	56	55	54	53	52	50	48	63	59	0.4
Room Outlet (RA)**	40	51	49	46	45	46	44	38	36	56	50	0.0
	127	54	53	53	52	52	53	53	51	62	59	0.5
	172	56	56	57	57	57	56	54	52	65	62	0.7

Notes: *Hard ducted 1m to measurement area.

**Insulated flex duct 5' to measurement area.

EV PREMIUM+ M/MH, EV PREMIUM M/MH

Source	CFM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)	Sones
		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz			
Case Radiated	85	63	54	52	44	38	33	20	24	64	47	0.7
	175	61	57	63	54	44	43	36	35	66	56	2.8
	224	65	57	60	58	53	50	44	41	68	59	3.4
Room Inlet (SA)*	91	62	61	58	54	54	55	55	54	67	62	1.3
	181	68	67	65	63	60	60	62	62	73	68	2.8
	232	72	68	67	66	64	63	63	65	76	71	3.8
Room Outlet (RA)*	86	70	66	63	63	63	63	59	57	74	69	2.2
	177	68	66	65	63	63	63	66	66	74	72	4.6
	229	67	64	62	63	63	65	66	69	74	73	5.7
Room Inlet (SA)**	83	53	52	51	48	48	45	45	41	58	53	0.0
	168	54	53	52	51	51	50	50	49	61	57	0.3
	204	58	56	56	54	54	54	53	51	64	60	0.5
Room Outlet (RA)**	81	53	47	49	46	46	41	42	40	56	51	0.0
	156	60	57	57	55	54	52	52	50	64	60	0.5
	195	64	61	60	60	59	57	55	56	69	64	1.7

Notes: *Hard ducted 1m to measurement area.

**Insulated flex duct 5' to measurement area.

RES SOUND DATA

Sound Data: Actual sound levels in living spaces will vary and be dependent on installation conditions including unit location, duct type, duct size, and duct run length. Sones calculated using HVI 915 method from Lw values.

Testing Method: Testing conducted per the following standards: AHRI 230 and 260, ISO 9614-1 and 9614-2. Testing conducted internally at RenewAire.

EV PREMIUM L/LH

Source	CFM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)	Sones
		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz			
Case Radiated	104	63	56	57	53	43	34	21	24	65	53	1.6
	190	64	60	63	58	47	47	40	35	68	59	3.3
	246	70	64	60	56	55	53	45	41	72	60	3.8
Room Inlet (SA)*	113	63	61	59	55	55	55	55	55	68	62	1.4
	211	68	64	64	62	60	61	62	63	73	69	3.0
	258	72	70	67	65	63	63	64	65	76	71	3.9
Room Outlet (RA)*	110	62	60	59	57	57	58	57	56	68	64	2.0
	211	63	61	61	61	61	64	67	67	73	72	4.5
	249	63	62	62	62	63	66	67	71	75	74	6.0
Room Inlet (SA)**	116	52	50	48	47	47	46	43	39	57	52	0.0
	208	56	54	54	53	53	52	51	50	62	59	0.5
	258	58	55	55	55	55	54	53	51	64	61	0.6
Room Outlet (RA)**	125	55	52	48	47	47	44	42	38	59	52	0.0
	202	64	63	61	60	58	57	55	53	69	64	1.0
	261	66	65	63	61	59	58	57	55	71	66	1.2

Notes: *Hard ducted 1m to measurement area.

**Insulated flex duct 5' to measurement area.

EV PREMIUM X/XH

Source	CFM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)	Sones
		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz			
Case Radiated	85	52	48	49	34	32	28	22	18	55	42	0.3
	243	59	58	57	58	42	38	30	31	64	56	2.1
	390	67	64	59	62	52	41	32	32	70	60	3.2
Room Inlet (SA)*	85	52	52	49	39	33	30	26	24	56	43	0.3
	243	55	61	58	60	46	44	40	43	65	59	3.2
	390	56	60	58	61	47	45	40	43	65	59	3.3
Room Outlet (RA)*	85	56	48	45	35	32	26	20	19	57	40	0.0
	243	64	61	56	50	37	34	24	30	66	52	1.4
	390	64	60	56	49	37	34	25	31	66	51	1.3
Room Inlet (SA)**	85	55	48	34	28	26	18	6	-0	55	35	0.0
	243	60	54	45	41	33	26	19	24	61	43	0.3
	390	62	54	45	40	32	26	20	27	63	44	0.4
Room Outlet (RA)**	85	54	50	44	33	27	25	5	9	56	39	0.0
	243	60	54	46	42	30	25	27	28	61	44	0.4
	390	62	54	46	42	33	27	27	30	63	44	0.5

Notes: *Hard ducted 1m to measurement area.

**Insulated flex duct 5' to measurement area.

RES SOUND DATA

Sound Data: Actual sound levels in living spaces will vary and be dependent on installation conditions including unit location, duct type, duct size, and duct run length. Sonos calculated using HVI 915 method from Lw values.

Testing Method: Testing conducted per the following standards: AHRI 230 and 260, ISO 9614-1 and 9614-2. Testing conducted internally at RenewAire.

EV90

Source	CFM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)	Sones
		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz			
Case Radiated	112	52	45	52	41	29	26	21	19	56	45	0.4
Room Inlet (SA)*	112	55	52	54	43	37	31	28	26	59	48	0.9
Room Outlet (RA)*	112	53	46	47	33	29	26	15	14	55	41	0.1
Room Inlet (SA)**	112	54	49	50	36	28	25	21	19	56	43	0.3
Room Outlet (RA)**	112	48	45	46	34	29	26	19	18	52	40	0.1

Notes: *Hard ducted 1m to measurement area.

**Insulated flex duct 5' to measurement area.

EV130

Source	CFM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)	Sones
		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz			
Case Radiated	147	57	43	40	36	32	25	22	22	57	39	0.0
Room Inlet (SA)*	147	53	50	39	36	33	23	14	16	55	39	0.0
Room Outlet (RA)*	147	56	51	50	45	38	29	26	31	58	46	0.5
Room Inlet (SA)**	147	52	49	39	33	33	25	21	19	54	39	0.0
Room Outlet (RA)**	147	52	48	42	33	34	22	17	20	54	39	0.1

Notes: *Hard ducted 1m to measurement area.

**Insulated flex duct 5' to measurement area.

EV200

Source	CFM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)	Sones
		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz			
Case Radiated	178	59	55	52	42	33	25	24	20	61	46	0.4
Room Inlet (SA)*	178	54	56	50	39	41	29	25	31	59	47	0.6
Room Outlet (RA)*	178	60	58	49	39	31	26	22	19	63	45	0.7
Room Inlet (SA)**	178	52	53	48	37	39	28	24	29	56	44	0.4
Room Outlet (RA)**	178	57	51	48	31	31	24	20	17	59	42	0.2

Notes: *Hard ducted 1m to measurement area.

**Insulated flex duct 5' to measurement area.

BR130

Source	CFM	Sound Power Level (dB)								Lw (dB)	LwA (dBA)	Sones
		62.5 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz			
Case Radiated	147	57	43	40	36	32	25	22	22	57	39	0.0

Note: Room Inlet (SA) and Room Outlet (RA) connections are made through furnace ducting.

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SL75H/SL75 – Ventilation Performance							
External Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	65	138	68	144	68	144
50	0.2	62	131	65	138	65	138
75	0.3	59	125	62	131	62	131
100	0.4	55	117	58	123	59	125
125	0.5	52	110	55	117	55	117
150	0.6	48	102	51	108	51	108
175	0.7	45	95	47	100	47	100
200	0.8	41	87	43	91	43	91
225	0.9	37	78	39	83	39	83
250	1.0	32	68	34	72	35	74
275	1.1	28	59	29	61	30	64
300	1.2	23	49	24	51	26	55

SL75H/SL75 – Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Adjusted Sensible Recovery Efficiency %	Net Moisture Transfer %
Heating							
0°	32°	24	51	30	78	82	64
0°	32°	36	76	50	74	79	56
0°	32°	47	100	79	70	75	50
Cooling					Total Recovery Efficiency %	Adjusted Total Recovery Efficiency %	
35°	95°	25	53	32	57	59	

Aeri™ MT – Ventilation Performance							
External Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	124	263	125	265	126	267
50	0.2	121	256	121	256	123	261
75	0.3	117	248	118	250	119	252
100	0.4	113	239	114	242	116	246
125	0.5	109	231	110	233	112	237
150	0.6	106	225	106	225	108	229
175	0.7	102	216	102	216	105	222
200	0.8	98	208	98	208	101	214
225	0.9	94	199	94	199	98	208
250	1	90	191	90	191	94	199

Aeri™ MT – Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Adjusted Sensible Recovery Efficiency %	Net Moisture Transfer %
Heating							
0°	32°	37	78	37	73	76	52
0°	32°	50	106	61	70	74	48
0°	32°	83	176	145	65	70	39
0°	32°	95	201	194	63	69	37
Cooling					Total Recovery Efficiency %	Adjusted Total Recovery Efficiency %	
35°	95°	38	81	47	56	58	
35°	95°	53	112	68	50	53	
35°	95°	83	176	169	41	45	
35°	95°	95	201	233	37	42	

EV Premium SH/EV Premium S – Ventilation Performance							
External Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	65	138	69	146	68	144
50	0.2	62	131	65	138	64	136
75	0.3	59	125	62	131	61	129
100	0.4	56	119	59	125	57	121
125	0.5	53	112	56	119	54	114
150	0.6	50	106	52	110	50	106
175	0.7	46	97	49	104	46	97
200	0.8	43	91	45	95	42	89
225	0.9	39	83	41	87	37	78
250	1	35	74	37	78	32	68

EV Premium SH/EV Premium S – Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Adjusted Sensible Recovery Efficiency %	Net Moisture Transfer %
Heating							
0°	32°	24	51	28	74	77	58
0°	32°	36	76	48	69	73	49
0°	32°	48	102	78	66	71	42
Cooling					Total Recovery Efficiency %	Adjusted Total Recovery Efficiency %	
35°	95°	24	51	32	60	63	

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EV Premium MH/EV Premium M – Ventilation Performance							
External Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	114	242	115	244	117	248
50	0.2	110	233	112	237	113	239
75	0.3	107	227	108	229	110	233
100	0.4	103	218	104	220	106	225
125	0.5	99	210	101	214	102	216
150	0.6	96	203	97	206	98	208
175	0.7	92	195	93	197	94	199
200	0.8	88	186	89	189	90	191
225	0.9	85	180	86	182	86	182
250	1.0	81	172	82	174	82	174

EV Premium MH/EV Premium M – Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Adjusted Sensible Recovery Efficiency %	Net Moisture Transfer %
C°	F°	L/s	CFM				
Heating							
0°	32°	24	51	19	81	84	69
0°	32°	48	102	40	73	76	55
0°	32°	71	150	81	68	71	46
0°	32°	96	203	177	62	68	40
Cooling					Total Recovery Efficiency %	Adjusted Total Recovery Efficiency %	
35°	95°	24	51	20			

EV Premium LH/EV Premium L – Ventilation Performance							
External Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
100	0.4	131	278	132	280	132	280
125	0.5	126	267	127	269	126	267
150	0.6	121	256	122	259	121	256
175	0.7	115	244	116	246	115	244
200	0.8	110	233	111	235	110	233
225	0.9	105	222	105	222	104	220
250	1.0	99	210	100	212	98	208

EV Premium LH/EV Premium L – Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Adjusted Sensible Recovery Efficiency %	Net Moisture Transfer %
C°	F°	L/s	CFM				
Heating							
0°	32°	28	59	21	88	90	77
0°	32°	57	121	37	81	83	69
0°	32°	95	201	114	74	77	60
0°	32°	107	227	171	71	76	56
Cooling					Total Recovery Efficiency %	Adjusted Total Recovery Efficiency %	
35°	95°	29	61	20			

EV Premium XH/EV Premium X – Ventilation Performance							
External Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	189	400	192	407	193	409
50	0.2	184	390	188	398	189	400
75	0.3	180	381	184	390	185	392
100	0.4	176	373	179	379	180	381
125	0.5	171	362	175	371	176	373
150	0.6	167	354	170	360	172	364
175	0.7	163	345	166	352	167	354
200	0.8	159	337	162	343	163	345
250	1	150	318	153	324	154	326
300	1.2	141	299	144	305	145	307
350	1.4	133	282	135	286	136	288
400	1.6	124	263	127	269	127	269
500	2	107	227	109	231	108	229
600	2.4	90	191	91	193	90	191

EV Premium XH/EV Premium X – Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Adjusted Sensible Recovery Efficiency %	Net Moisture Transfer %
C°	F°	L/s	CFM				
Heating							
0°	32°	48	102	37	78	80	65
0°	32°	93	197	116	71	75	53
0°	32°	115	244	193	67	73	45
Cooling					Total Recovery Efficiency %	Adjusted Total Recovery Efficiency %	
35°	95°	48	102	43			

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EV90 – Ventilation Performance							
External Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	47	100	47	100	48	102
50	0.2	40	85	40	85	43	91
75	0.3	33	70	33	70	37	78
100	0.4	26	55	26	55	31	66
125	0.5	19	40	19	40	27	57

EV90 – Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Adjusted Sensible Recovery Efficiency %	Net Moisture Transfer %
C°	F°	L/s	CFM				
Heating							
0°	32°	40	85	41	64	67	49
Cooling					Total Recovery Efficiency %	Adjusted Total Recovery Efficiency %	
35°	95°	39	83	38	48	50	

EV130 – Ventilation Performance							
External Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	77	163	80	170	76	161
50	0.2	71	150	73	155	73	155
75	0.3	66	140	68	144	68	144
100	0.4	59	125	61	129	63	133
125	0.5	48	102	50	106	54	114
150	0.6	32	68	33	70	43	91

EV130 – Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Adjusted Sensible Recovery Efficiency %	Net Moisture Transfer %
C°	F°	L/s	CFM				
Heating							
0°	32°	47	100	99	72	78	64
Cooling					Total Recovery Efficiency %	Adjusted Total Recovery Efficiency %	
35°	95°	47	100	98	56	59	

EV200 – Ventilation Performance							
External Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	97	206	100	212	101	214
50	0.2	92	195	95	201	97	206
75	0.3	89	189	92	195	93	197
100	0.4	86	182	88	186	90	191
125	0.5	81	172	83	176	85	180
150	0.6	74	157	76	161	76	161
175	0.7	62	131	64	136	63	133
200	0.8	45	95	46	97	43	91

EV200 – Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Adjusted Sensible Recovery Efficiency %	Net Moisture Transfer %
C°	F°	L/s	CFM				
Heating							
0°	32°	85	180	146	74	79	57
Cooling					Total Recovery Efficiency %	Adjusted Total Recovery Efficiency %	
35°	95°	79	167	137	57	60	

BR130 – Ventilation Performance							
External Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	70	148	71	150	75	159
50	0.2	66	140	67	142	69	146
75	0.3	62	131	63	133	64	136
100	0.4	53	112	54	114	56	119
125	0.5	44	93	45	95	47	100
150	0.6	32	68	33	70	29	61

BR130 – Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Adjusted Sensible Recovery Efficiency %	Net Moisture Transfer %
C°	F°	L/s	CFM				
Heating							
0°	32°	47	100	99	72	78	64
Cooling					Total Recovery Efficiency %	Adjusted Total Recovery Efficiency %	
35°	95°	47	100	98	56	59	