

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: Data below reflects RenewAire internal test results.

AERI™ MT (ET-255MF-P340-XC0)

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.

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

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

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.

RES SOUND DATA

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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.

EV PREMIUM+ S/SH (EE-130SW-P555-XB0/EE-130SW-H555-XB0), 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 (EE-230MW-P555-XC0/EE-230MW-H555-XC0), 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.

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Testing Method: Data below reflects RenewAire internal test results.

EV PREMIUM+ L/LH (EE-295LW-P555-XDO/EE-295LW-H555-XDO), 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 (EE-390LW-P555-XDO/EE-390LW-H555-XDO), 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. Sones calculated using HVI 915 method from Lw values.

Testing Method: Data below reflects RenewAire internal test results.

EVERGREEN™ SH (EG-110SB-H020-XEO)

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*	30	44	43	39	32	22	14	7	9	47	34	0.0
	70	54	42	43	40	34	26	14	6	55	41	0.1
	130	53	57	62	56	40	36	25	24	64	56	2.1
Room Inlet (SA)**	30	38	30	35	25	20	12	0	6	41	29	0.0
	70	53	40	43	43	34	31	20	12	54	43	0.4
	130	50	45	50	55	46	42	32	30	58	53	1.7
Room Outlet (RA)*	30	40	39	35	32	24	14	0	5	44	32	0.0
	70	57	40	43	44	39	31	16	9	58	44	0.4
	130	47	47	54	58	54	45	30	27	61	58	2.3
Case Radiated***	30	5	5	5	5	5	5	5	5	14	12	0.0
	70	5	5	5	5	5	5	5	5	14	12	0.0
	130	5	5	5	5	5	5	5	5	14	12	0.0
Room Inlet (SA)****	30	41	34	32	24	17	12	4	4	42	27	0.0
	70	49	39	38	35	27	19	6	5	50	36	0.0
	130	46	44	46	47	39	30	19	17	52	46	0.6
Room Outlet (RA)***	30	5	5	5	5	5	5	5	5	14	12	0.0
	70	5	5	5	5	5	5	5	5	14	12	0.0
	130	5	5	5	5	5	5	5	5	14	12	0.0

Notes: * Hard ducted OA/SA/EA.

** Hard ducted 1m to measurement area.

*** Insulated flex ducted OA/SA/EA.

**** Insulated flex 5' to measurement area.

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.