

RVE Performance Data
RVE, DISCHARGE SOUND DATA

Unit Size	Flow Rate		Min Δ Ps		0.75" Δ Ps							1.5" Δ Ps							2.5" Δ Ps						
					Octave Band Sound Power, Lw							Lp	Octave Band Sound Power, Lw							Lp	Octave Band Sound Power, Lw				
	CFM	(L/s)	"WG	(Pa)	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC
4	40	(19)	0.007	(1.80)	37	24	27	25	25	18	-	41	28	31	28	28	23	-	44	31	34	30	31	26	-
	103	(49)	0.048	(11.99)	48	39	39	38	38	30	-	53	43	43	41	42	34	-	56	46	46	44	44	37	-
	167	(79)	0.126	(31.27)	54	46	45	44	45	35	-	59	50	49	48	48	39	-	62	53	52	50	51	42	-
	230	(109)	0.239	(59.50)	58	51	49	49	50	39	-	63	55	53	52	53	43	-	66	58	56	55	55	46	22
5	62	(29)	0.008	(1.93)	38	25	28	27	27	22	-	43	30	33	31	31	27	-	46	34	36	33	33	30	-
	161	(76)	0.052	(13.03)	50	41	41	41	41	34	-	55	46	46	44	44	38	-	59	49	49	47	47	42	-
	261	(123)	0.137	(34.07)	57	49	48	48	48	40	-	62	54	52	51	51	44	-	65	57	56	54	54	48	21
	360	(170)	0.261	(64.93)	61	54	52	52	53	44	-	66	59	57	56	56	48	-	70	63	60	58	59	51	23
6	90	(42)	0.007	(1.86)	39	27	31	30	31	27	-	43	32	36	34	34	31	-	47	36	39	36	37	34	-
	233	(110)	0.050	(12.46)	52	44	44	44	44	38	-	57	48	48	47	47	42	-	61	52	51	49	50	45	-
	377	(178)	0.131	(32.54)	59	52	51	50	51	44	-	64	57	55	54	54	48	-	68	60	58	56	57	51	20
	520	(245)	0.249	(61.98)	64	57	55	55	55	48	-	69	62	59	58	59	52	22	72	66	62	61	61	55	26
7	120	(57)	0.007	(1.84)	40	28	32	32	32	29	-	45	33	37	36	35	33	-	49	37	40	38	38	36	-
	330	(156)	0.056	(13.93)	55	46	47	47	46	42	-	60	51	51	50	50	46	-	63	55	54	52	52	49	-
	525	(248)	0.142	(35.26)	61	54	54	53	53	47	-	66	59	58	56	56	52	-	70	63	61	59	59	55	23
	700	(330)	0.252	(62.69)	66	59	58	57	57	51	-	70	64	62	60	61	55	22	74	68	65	63	63	58	26
8	160	(76)	0.008	(1.93)	42	32	37	35	34	32	-	47	37	41	38	38	36	-	51	40	44	41	40	39	-
	440	(208)	0.059	(14.59)	56	49	49	49	49	44	-	61	53	54	52	52	49	-	65	57	57	55	55	52	-
	675	(319)	0.138	(34.33)	62	56	55	54	55	50	-	67	61	59	58	58	54	24	71	64	62	60	61	57	28
	920	(434)	0.256	(63.78)	67	61	59	59	59	54	-	72	66	63	62	62	58	23	75	69	66	65	65	61	28
9	200	(94)	0.008	(1.90)	42	34	38	36	36	35	-	47	39	42	39	39	39	-	51	42	45	42	42	42	-
	550	(260)	0.058	(14.39)	57	50	51	50	50	47	-	62	55	55	53	53	51	-	66	59	58	56	56	54	-
	875	(413)	0.146	(36.42)	64	58	57	57	57	53	-	69	63	61	60	60	57	21	73	66	64	62	62	60	25
	1160	(547)	0.257	(64.02)	68	62	61	61	61	56	20	74	67	65	64	64	60	25	77	71	68	66	66	63	30
10	250	(118)	0.008	(1.91)	45	35	38	37	38	37	-	49	39	42	41	41	41	-	53	43	45	43	44	44	-
	675	(319)	0.056	(13.94)	59	51	52	51	52	49	-	64	56	56	55	55	53	-	68	60	59	57	58	56	20
	1075	(507)	0.142	(35.37)	66	59	58	58	58	54	-	71	64	62	61	62	59	23	74	67	65	64	64	62	26
	1430	(675)	0.252	(62.58)	70	64	62	62	62	58	22	75	69	66	65	66	62	27	79	72	69	68	68	65	32
12	360	(170)	0.008	(1.93)	47	38	40	40	40	42	-	52	43	45	43	43	46	-	56	47	48	46	45	49	-
	1000	(472)	0.060	(14.86)	61	55	55	54	54	53	-	66	60	59	58	58	58	22	70	63	62	60	60	61	25
	1550	(731)	0.143	(35.71)	68	62	61	61	61	59	23	72	67	65	64	64	63	27	76	70	68	66	67	66	30
	2060	(972)	0.253	(63.07)	72	66	65	65	65	62	26	76	71	69	68	68	66	30	80	75	72	70	71	69	34
14	480	(227)	0.008	(1.90)	48	38	43	42	41	43	-	53	43	47	45	45	47	-	57	47	50	48	47	50	-
	1375	(649)	0.063	(15.55)	63	56	57	57	57	56	20	68	61	61	60	60	60	24	72	65	65	63	63	64	27
	2125	(1003)	0.149	(37.15)	70	64	63	63	63	62	26	75	69	67	66	66	66	30	78	72	71	69	69	69	33
	2800	(1321)	0.259	(64.50)	74	69	67	67	67	65	29	79	74	71	70	70	70	33	82	77	74	73	73	73	37
16	630	(297)	0.008	(1.88)	51	41	44	43	44	45	-	56	46	48	47	47	50	-	59	50	51	49	50	53	-
	1775	(838)	0.060	(14.90)	65	58	59	58	59	59	23	70	63	63	62	62	63	27	74	67	66	64	64	66	30
	2725	(1286)	0.141	(35.13)	71	66	65	64	65	64	28	76	70	69	68	68	68	32	80	74	72	70	71	71	35
	3660	(1727)	0.255	(63.37)	75	70	69	68	69	68	32	80	75	73	72	72	72	36	84	79	76	75	75	75	39

NOTES: Discharge sound power is the sound emitted from the unit discharge. All sound data is based on tests conducted in accordance with AHRI 880-11. Sound power levels are in dB, re 10⁻¹² Watts. ΔPs is the difference in static pressure from inlet to discharge. NC application data is from AHRI Standard 885-08 Appendix E, as a function of flow rate shown. All data points listed are application ratings outside the scope of the Certification Program. Dash indicates a NC is less than 20. See Engineering section for reductions and definitions.

RVE Performance Data

RVE, RADIATED SOUND DATA

RETROFIT/BYPASS TERMINAL UNITS

Unit Size	Flow Rate		Min Δ Ps		0.75" Δ Ps							1.5" Δ Ps							2.5" Δ Ps						
					Octave Band Sound Power, Lw							Lp	Octave Band Sound Power, Lw							Lp	Octave Band Sound Power, Lw				
	CFM	(L/s)	"WG	(Pa)	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC	2	3	4	5	6	7	NC
4	40	(19)	0.007	(1.80)	13	7	8	8	11	7	-	18	12	13	12	16	11	-	21	15	16	16	20	14	-
	103	(49)	0.048	(11.99)	34	29	29	30	33	27	-	39	33	34	35	38	31	-	42	36	37	38	41	34	-
	167	(79)	0.126	(31.27)	44	39	40	41	44	37	-	49	44	44	46	49	41	-	52	47	48	49	52	44	22
	230	(109)	0.239	(59.50)	51	47	47	49	51	43	21	56	51	51	53	56	48	26	59	54	55	57	60	51	30
5	62	(29)	0.008	(1.93)	20	13	10	11	14	10	-	24	18	14	15	19	14	-	27	21	17	19	22	17	-
	161	(76)	0.052	(13.03)	38	33	32	32	35	29	-	43	37	36	37	40	33	-	46	40	39	40	43	36	-
	261	(123)	0.137	(34.07)	48	42	42	43	46	39	-	52	47	47	47	50	43	20	55	50	50	50	54	46	24
	360	(170)	0.261	(64.93)	54	49	50	50	53	46	24	58	53	54	54	57	50	28	61	56	57	57	61	53	32
6	90	(42)	0.007	(1.86)	14	4	7	6	14	5	-	19	10	13	12	19	10	-	23	14	17	16	22	14	-
	233	(110)	0.050	(12.46)	37	30	31	31	36	29	-	42	35	37	37	41	34	-	46	39	41	41	44	38	-
	377	(178)	0.131	(32.54)	49	42	43	43	47	41	-	54	48	49	49	52	46	23	58	52	53	53	55	50	28
	520	(245)	0.249	(61.98)	56	51	51	52	54	49	25	61	57	57	58	59	54	32	65	61	61	62	63	58	36
7	120	(57)	0.007	(1.84)	12	2	7	7	14	6	-	18	8	13	13	19	11	-	22	13	17	17	22	15	-
	330	(156)	0.056	(13.93)	38	31	33	33	38	31	-	44	37	39	39	43	37	-	48	42	43	43	46	41	-
	525	(248)	0.142	(35.26)	50	44	45	45	48	43	-	56	50	51	51	53	48	25	59	55	55	55	57	52	30
	700	(330)	0.252	(62.69)	58	52	52	52	55	50	26	63	58	58	58	60	56	33	67	63	63	62	64	60	38
8	160	(76)	0.008	(1.93)	19	11	7	8	20	9	-	24	17	13	14	25	14	-	27	21	18	18	28	18	-
	440	(208)	0.059	(14.59)	42	32	34	34	38	34	-	47	37	40	40	43	39	-	51	42	45	44	47	43	-
	675	(319)	0.138	(34.33)	52	40	45	45	46	44	-	57	46	51	51	51	49	26	60	50	56	55	54	53	31
	920	(434)	0.256	(63.78)	59	47	54	53	52	52	28	64	52	60	59	57	57	35	68	56	64	63	60	61	40
9	200	(94)	0.008	(1.90)	20	9	10	9	17	10	-	25	14	16	14	21	16	-	28	18	20	19	25	20	-
	550	(260)	0.058	(14.39)	43	35	35	35	40	35	-	48	40	41	40	45	40	-	51	44	45	44	48	44	-
	875	(413)	0.146	(36.42)	54	47	47	47	50	46	21	58	52	53	52	55	51	27	62	56	57	56	59	55	32
	1160	(547)	0.257	(64.02)	60	54	54	54	57	53	29	65	60	60	59	62	58	35	68	64	64	63	65	62	40
10	250	(118)	0.008	(1.91)	14	6	8	9	17	-1	-	20	12	14	15	22	6	-	24	17	19	19	26	10	-
	675	(319)	0.056	(13.94)	41	33	35	35	40	31	-	47	40	41	41	45	38	-	51	45	46	45	49	42	-
	1075	(507)	0.142	(35.37)	54	46	47	47	51	46	21	59	53	54	53	56	52	28	64	58	58	57	60	57	33
	1430	(675)	0.252	(62.58)	61	54	55	54	57	55	30	67	61	62	60	62	62	37	71	66	66	64	66	66	42
12	360	(170)	0.008	(1.93)	22	12	13	10	19	9	-	27	18	19	16	24	15	-	31	23	23	20	27	20	-
	1000	(472)	0.060	(14.86)	46	38	39	37	42	37	-	51	44	44	42	47	43	-	55	48	48	46	51	47	22
	1550	(731)	0.143	(35.71)	56	48	49	48	52	49	24	61	54	55	54	57	55	30	65	59	59	58	61	59	34
	2060	(972)	0.253	(63.07)	63	55	57	56	59	56	31	68	61	62	61	64	62	38	72	66	66	65	67	67	42
14	480	(227)	0.008	(1.90)	9	3	2	11	20	-4	-	16	12	9	17	25	3	-	21	18	14	21	28	8	-
	1375	(649)	0.063	(15.55)	41	34	35	38	43	32	-	48	42	42	44	49	39	-	54	49	47	48	52	45	22
	2125	(1003)	0.149	(37.15)	54	46	49	49	53	47	23	62	55	56	55	58	55	31	67	62	61	59	62	60	36
	2800	(1321)	0.259	(64.50)	63	54	58	56	60	57	33	70	63	65	62	65	64	40	75	70	70	66	68	70	46
16	630	(297)	0.008	(1.88)	25	11	13	12	20	16	-	30	17	19	18	25	21	-	33	21	24	22	29	25	-
	1775	(838)	0.060	(14.90)	49	39	40	39	44	41	-	54	45	47	44	49	46	20	58	50	51	48	53	50	25
	2725	(1286)	0.141	(35.13)	59	51	52	50	54	52	26	64	57	58	55	59	57	33	68	61	62	59	62	61	38
	3660	(1727)	0.255	(63.37)	66	59	59	57	61	59	34	71	65	65	63	66	64	41	75	70	70	67	69	68	46

NOTES: Radiated sound power is the sound transmitted through the casing walls. All sound data is based on tests conducted in accordance with AHRI 880-11. Sound power levels are in dB, re 10⁻¹² Watts. ΔPs is the difference in static pressure from inlet to discharge. NC application data is from AHRI Standard 885-08 Appendix E, as a function of flow rate shown. All data points listed are application ratings outside the scope of the Certification Program. Dash indicates a NC is less than 20. See Engineering section for reductions and definitions.